

Form-1 (As per EIA Notification 2006)

FOR THE PROPOSED
ROUGH STONE AND GRAVEL QUARRY PROJECT- **2.77.0HA**

S.F.NO: **224/1,**

KAVUTHAMPALAYAM VILLAGE,

AVINASHI TALUK,

TIRUPPUR DISTRICT, TAMILNADU

Proposed by

Thiru. V.M.Chandrasekaran,

Application Form for Obtaining Environmental Clearance from

State Level Environmental Impact Assessment Authority (SEIAA)

Tamilnadu

FORM I

(I) BASIC INFORMATION

S. No	Item	Details												
1	Name of the project/s	Kavuthampalayam Rough stone and Gravel quarry project.												
2	S. No. in the schedule	1(a)												
3	Proposed capacity/ area/length/tonnage to be handled/command area/lease area/number of wells to be drilled	The Proposed capacity of Rough stone is 6885m³ and Gravel formation is 3306m³ for a period of Two years only. Area = 2.77.0Ha. The command area = 0.54.4Ha (effective quarrying area after leaving safety distance). It is a shallow open cast quarry. The massive Rough stone formation is found followed by the 2m (max) Gravelly formation. It is revealed from the existing quarrying work. Hence no wells are proposed or nor drilled.												
4	New/Expansion/ Modernization	It is a Rough stone and Gravel quarry project (the area has been quarrying operation earlier) in Kavuthampalayam Village.												
5	Existing capacity/Area etc.	The proposed quantity of reserves is to be mined is 6885m³ (or) 1216 Lorry Loads of Rough stone up to a depth of 7m below the ground level for a period of two years only. <table border="1" data-bbox="841 982 1511 1262"> <thead> <tr> <th>Description</th> <th>Rough stone in m³</th> <th>Gravel in m³</th> </tr> </thead> <tbody> <tr> <td>Geological Resources</td> <td>138500</td> <td>55400</td> </tr> <tr> <td>Available Mineable reserves</td> <td>46470</td> <td>20700</td> </tr> <tr> <td>two years plan period As in the approved mining plan</td> <td>6885</td> <td>3306</td> </tr> </tbody> </table>	Description	Rough stone in m ³	Gravel in m ³	Geological Resources	138500	55400	Available Mineable reserves	46470	20700	two years plan period As in the approved mining plan	6885	3306
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6	Category of project i.e. 'A' or 'B'	Category – B2.												
7	Does it attract the general condition? If yes, please specify.	7.5m safety distance maintained from the adjacent patta lands												
8	Does it attract the specify condition? If yes, please specify.	The project does not attract any specify condition in the lease area.												
9	Location	Topo Sheet No. 58 E/07 & 08 11 ⁰ 14'56'' N to 11 ⁰ 15'04'' N 77 ⁰ 26'37'' E to 77 ⁰ 26'43'' E												
	Plot/ Survey/ Khasra No.	224/1												
	Village	Kavuthampalayam												
	Taluk	Avinashi												
	District	Tiruppur												
	State	Tamilnadu.												
10	Nearest railway station/ airport along with distance in kms	Uthukuli Railway station - 10kms -S Coimbatore Airport - 50kms -SW												
11	Nearest Town, city, District Headquarters along with distance in kms	Town - Tiruppur - 19kms - SW Nearest City - Tiruppur - 19kms - SW District - Tiruppur - 19kms - SW												

12	Village Panchayats, ZilaParishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Village – Kavuthampalayam Panchayat Union – Avinashi Taluk – Avinashi District – Tiruppur
13	Name of the applicant	V.M.Chandrasekaran,
14	Registered Address	S/o. Murugasamy, Vavithottam, Kavuthampalayam, Kunnathur via, Tiruppur District.
15	Address for correspondence:	
	Name	V.M.Chandrasekaran,
	Designation (Owner/Partner/CEO)	Proprietor / Owner
	Address	S/o. Murugasamy, Vavithottam, Kavuthampalayam, Kunnathur via, Tiruppur District.
	Pincode	
	E-mail	infogeoexploration@gamil.com
	Mobile No.	9843016536
	Fax No.	-
16	Details of Alternative Sites examined, if any. Location of these sites should be shown on a Topo sheet.	There is no alternative sites are examined. The project is site specific.
17	Interlinked Projects	There is no interlinked project.
18	Whether separate application of interlinked project has been submitted?	As there is no interlinked project, no application has been submitted.
19	If yes, date of submission	As there is no interlinked project, no application has been submitted.
20	If no, reason	The project involves Rough stone and Gravel Quarry only.
21	Whether the proposal involves approval/clearance under: if yes, details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C. R. Z. Notification, 1991?	(a) The project does not attract the Forest (Conservation) Act 1980. (b) There is no wild life in the project site area under the Wildlife (protection) Act 1972. (C) The project area does not fall the C.R.Z Notification, 1991.

22	Whether there is any Government Order/ Policy relevant/ relating to the site?	<p>The proceeding letter was received from the District Collector Tiruppur vide No.Rc.No.655/Mines/2011, Dated: 24.04.2012.</p> <p>The District Collector passed an letter vide: Rc.No.255/Mines/2015, Dated: 02.05.2015.</p> <p>The Mining Plan was got approval by the Assistant Director, Department of Geology and Mining, Tiruppur vide Rc.No. 838/Mines/2015 Dated: 29.09.2015.</p>
23	Forest land involved (hectares)	No forest land is involved lease area.
24	<p>Whether there is any litigation pending against the project and/ or land in which the project is propose to be set up?</p> <p>(a) Name of the Court</p> <p>(b) Case No.</p> <p>(c) Orders/ directions of the Court, if any and its relevance with the proposed project.</p>	There is no court case pending, litigations relating to the project directly and indirectly.

(II)Activity

1. Construction operation or decommissioning of the project involving actions, which will cause physical changes in the locality (topography, land use changes in water bodies, etc.)

S. No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data																					
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	<p>The lease area exhibits almost plain terrain will be changed after the quarrying of Rough stone and Gravel as per the Mining plan,</p> <p>Conventional Open cast Semi Mechanized Mining with 5.0 meter vertical bench with a bench width of 5.0 meter is being proposed.</p> <p>Topography will change in respect to overburden excavation. However, measures will be implemented as per mining Plan.</p> <p>As the area of the quarry remains the same, there will not be any increase in intensity of local land use.</p> <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>Area Under</td><td>0.20.6</td><td>0.45.4</td></tr><tr><td>Infrastructure</td><td>0.01.0</td><td>0.01.0</td></tr><tr><td>Roads</td><td>0.02.0</td><td>0.02.0</td></tr><tr><td>Green belt</td><td>Nil</td><td>0.06.0</td></tr><tr><td>Unutilized</td><td>2.53.4</td><td>2.22.6</td></tr><tr><td>Grand Total</td><td>2.77.0</td><td>2.77.0</td></tr></tbody></table>	Description	Present area in (Ha)	Area at the end of lease period (Ha.)	Area Under	0.20.6	0.45.4	Infrastructure	0.01.0	0.01.0	Roads	0.02.0	0.02.0	Green belt	Nil	0.06.0	Unutilized	2.53.4	2.22.6	Grand Total	2.77.0	2.77.0
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1.2	Clearance of existing land, vegetation and building?	No	<p>There is no vegetation and building in this project lease area, hence there is no requirement of clearing the vegetation and building. There is an existing road leads to the quarry. This has 5mts carriage way width.</p>																					

1.3	Creation of new land uses?	No	<p>The total quarrying activity is proposed to carry out within the quarry lease area. Hence, there is no proposal for creating of new land uses. Temporary approach road within the project area will be form for the easy access of men and Vehicles which will be well maintained.</p> <p>The tippers will transport the Rough stone to the needy Residential & Industrial customers by existing road.</p>
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	<p>The area has been quarrying operation earlier. The Rough Stone is clearly visible, hence pre-construction investigation and soil testing is not proposed before quarrying operation.</p>
1.5	Construction works?	Yes	<p>There will be no major civil works, other than the following infrastructure: office building, storeroom, toilet and first aid room will be provided on permanent structures within the quarry lease area in the safety barrier. After the grant of lease.</p>
1.6	Demolition works?	No	<p>There are no existing building within the quarry lease area hence no demolition work is involved.</p>
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	<p>Sites service on permanent structure will be constructed only after grant of quarry lease within 7.5m safety barrier.</p>
1.8	Above ground buildings, structures or earth works including linear structures, cut and fill or excavations	No	<p>There are no tall buildings or linear structure found within the quarry site. There is no requirement of cutting and filling in the site.</p>
1.9	Underground works including mining or tunneling?	No	<p>Conventional open cast semi mechanized quarrying will be adopted. No underground mining or tunneling is proposed.</p>
1.10	Reclamation works?	No	<p>There is no reclamation works is proposed. In the proposed mining plan only 7m below the ground level Rough Stone depth has been envisaged as workable depth for safe & economic mining during the lease period. Hence, after quarry reaches ultimate pit limit (for this lease period) of 7m depth fencing will be constructed around the quarried pits to prevent inherent entry of the public and cattle.</p>
1.11	Dredging?	No	<p>There is no such type of activities involved in this opencast quarrying operation.</p>

1.12	Offshore structures?	No	There is no such type of activities involved; It is an inland quarrying project.
1.13	Production and manufacturing processes?	No	No production or manufacturing is involved in this Rough Stone quarrying. The Rough Stone is liberated from the parent rock mass and transported to the needy to customer.
1.14	Facilities for storage of goods or materials?	No	There is no proposal for storage of material within the quarry lease area. The Rough stone will be loaded manually to the tippers and transported to needy customers.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	The entire quarried Rough stone will be consumed. The anticipated waste will be very negligible the entire Rough stone irrespective of size has a good commercial market at present market scenario. Domestic waste water will be treated in Septic Tank followed by soak pit. The manure will be treated and used for green belt development. The Rough stone will not produce toxic effluence in the form of solid, liquid or gas. No waste water will be discharged by quarry operation.
1.16	Facilities for long term housing of operational workers?	No	The proposed project is 2.77.0Ha . The minimum employees are available in the nearby villages, hence long term housing of operational workers are not proposed. Rest shelter will be constructed on permanent structure within the lease area on boundary barrier after the grant of quarry lease.
1.17	New road, rail or sea traffic during construction or operation?	No	No new roads, rail or sea traffic is proposed during operation, the existing road will be utilized for transportation of the Rough stone and Gravel. There is no habitations or villages enrouted between the stone quarry and crushing site. However, internal roads within the quarry lease area will be developed and maintained as per statutory norms.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	No	There is no such type of activities involved in this project. Existing road will be utilized for the transportation of Rough stone to the needy customers.

1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	The project will not cause any changes and hindrance in the existing traffic movements.
1.20	New or diverted transmission lines or pipelines?	No	The project does not involve diversion of transmission/pipe lines.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	The quarrying operation is restricted up to a depth of 7m below the ground level. The Ground water occurrence in this area is 45m depth from ground profile (45m in summer and at 40m in rainy season). Hence there is no damage for ground water hydrology or aquifers.
1.22	Stream crossings?	No	There is no stream crossing within the lease area.
1.23	Abstraction or transfers of water from ground or surface waters?	No	The proposed quarrying does not require any abstraction or transfer of water from the Ground or surface water bodies.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	The quarry operation is restricted up to a depth of 7m below the ground level. Quarry operation will not affect the drainage pattern of the lease area. There is no change in water bodies or the land surface affected during run off.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	During operation phase, after grant of lease quarrying personnel will be brought from surrounding villages by applicant's jeep or van. The materials and tools shall be transported by trucks and tippers, the existing road and infrastructure facilities are sufficient. No construction operation or decommissioning envisaged.
1.26	Long-term dismantling or decommissioning or restoration works?	No	No Dismantling and decommissioning are proposed in this project.
1.27	Ongoing activity during decommissioning which could have an impact on the	No	There is no such type of activities involved in this project.

1.28	Influx of people to an area in either temporarily or permanently?	Yes	<p>During operational phase, the manpower requirement will be around 10. Local people are envisaged in this quarry operation. Inherent entry of public will be strictly prevented.</p> <p>No child labor will be deployed for any type of quarrying operation. All the labors engaged for quarrying operations will be trained, equipped with protective devices and insured till the end of life of quarry.</p>
1.29	Introduction of alien species?	No	There is no proposal to introduce alien species.
1.30	Loss of native species or genetic diversity?	No	There will be no loss of native species or genetic diversity taken during the quarry operation as the lease area is devoid of Plantation, vegetation and agriculture.
1.31	Any other actions?	No	<p>Temporary approach road will be formed and maintain within the lease area.</p> <p>Tippers will be transport the Rough stone to needy crushers by existing road. (already in good condition)</p> <p>No long term dismantling or decommissioning is involved in this project. This project is sites specific and may not have any significant impact on the environment.</p>

2. Use of Natural resources for construction or operation of the project (such as land, water, materials or energy, especially any resources which are non -renewable or in short supply):

S. No	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
2.1	Land especially undeveloped or agricultural land (ha)	No	<p>The Total quarry lease area is 2.77.0Ha, it is a Patta land vide patta No:741.</p> <p>The lease applied area exhibits almost plain terrain Which is covered by Gravel formation. The slope is gentle towards Southwestern side. The altitude of the area is above 298m (Maximum) from MSL.</p>
2.2	Water (expected source & competing users) unit: KLD	Yes	<p>The project does not require huge water for quarrying operation, about 1 KLD of water will be used for the project.(More than 5 L/Person)</p> <ol style="list-style-type: none"> 1. Drinking Water –0.3KLD & Domestic purpose 2. Dust Suppression – 0.3 KLD 3. Green belt - 0.4 KLD <p style="text-align: center;">Total – 1 KLD</p> <p>The source of water brought from approved water vendors and existing bore well on nearby quarry area.</p>
2.3	Minerals (MT)	No	No minerals used for construction purposes.
2.4	Construction material - Stone, aggregates, and/Soil (expected source-MT)	No	The proposed Rough stone and Gravel quarry project does not require any construction material.
2.5	Forests and timber (source-MT)	No	There is no forests and timber (source –MT)

2.6	Energy including electricity and fuels (source, competing users) unit: fuel (MT),Energy (MW)	Yes	<p>The limited scale of activities adopted in Rough stone and Gravel quarrying does not require high-tension electric power supply. The quarrying operation is only for daytime. The electricity will be used only for mine office and lighting around the quarry during night time. The existing electric line near the quarry site will be used.</p> <p>The Rough stone will be loaded to the tippers by manually. Excavators are not proposed in this quarrying operation, hence Diesel (HSD) consumption is minimal which will be used for Tippers, Tractor mounted compressor. Diesel will be brought from nearby diesel pumps.</p>
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resource will be required.

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S. No	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	There is no hazards as per MSIHC rules during the storage, transport and handling the materials.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	<p>The Rough stone and Gravel does not produce any toxic effluent in the form of solid, liquid and gas, hence the diseases related to insect or water borne diseases is not envisaged. There is no proposal of storage of water inside the project area. The seepage water and rain water will be drained immediately by 5HP pumps and it will be used for Green Belt Development and for dust suppression on haul and quarry roads.</p>
3.3	Affect the welfare of people e.g. by changing living conditions?	No	<p>Welfare of people will get positive change due to the project, where a number of Welfare activities are being undertaken. Due to increase of the employment earning of local people and lifestyle of the people will enhance, around 10 peoples will be directly benefit to this project.</p> <p>No child labor will be engaged for any type of quarrying operation. All the labor will be insured and the salary and benefits will be paid as per the Labor enforcement officers(Ministry of labor and welfare) Norms</p>

3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children's, the elderly etc.,	No	There is no effect envisaged for the vulnerable groups of people who could be affected by the project. The Rough stone will be transported to the needy crusher by tarpaulin cover to prevent spillage.
3.5	Any other causes	No	There is no other cause are envisaged.

4. Production of solid wastes during construction or operation or decommissioning MT/mounts)

S. No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
4.1	Spoil, overburden or mine wastes	No	The Rough stone and Gravel quarrying does not produce any waste. The entire Rough stone irrespective of size will be sold in commercial market. Waste storage does not arise.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	The small quantity of Municipal waste will be generated shall be disposed as per guidelines.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	In this quarrying activities waste oil will be generated during the operation period it will be sent to authorize Re- Circulars as per SPCB/CPCB norms. Care and maintenance of vehicles by experience qualified mechanics will be undertaken to prevent breakdown and spillage of oils and lubes.
4.4	Other industrial process wastes	No	Industrial wastages are not generated during the quarrying operation.
4.5	Surplus product	No	There is no such type of activities in this quarry.
4.6	Sewage sludge or other sludge form effluent treatment	Yes	Sanitary facilities will be constructed on permanent structure and the sewage waste will be disposed periodically as per the norms.
4.7	Construction or demolition wastes	No	No Construction or demolition wastes involved in this quarry.
4.8	Redundant machinery or equipment	No	No redundant machineries involved in this project.
4.9	Contaminated soils or other materials	No	There is no a contaminated material or soil observed in the quarry lease area.
4.10	Agricultural wastes	No	There is no agricultural waste anticipated.
4.11	Other solid wastes	No	There is no other solid waste anticipated.

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

S. No	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	The emissions of SO ₂ (Sulfur dioxide) & NO ₂ (Nitrogen dioxide) may be due to use of diesel operated quarry vehicles. Better maintenance of equipment in good condition will help to reduce such emissions.
5.2	Emissions from production processes	Yes	Dust is the main pollutant produced in the proposed activity. Emission from loading, drilling and blasting but they will be maintained within limits by proper maintenance and sprinkling of water and Afforestation developments. Tarpaulin covers will be covered in vehicles during transportation.
5.3	Emissions from materials handling including storage or transport	Yes	Fugitive dust will be generated from material handling activities. Dust suppression by water sprinklers will be provided to prevent the fugitive dust emissions during loading. Tarpaulin covers will be covered in vehicles during transportation.
5.4	Emissions form construction activities including plant and equipment	No	No major construction activities are envisaged. It's a conventional Eco friendly quarrying operation.
5.5	Dust or odors form handling of materials including construction materials, sewage and waste	No	Minor Dust will be generated during breaking of rocks, transportation of Rough stone and it will be controlled. However, there is no possibility of any odor generation as there are no organic solvents/processes involved.
5.6	Emissions from incineration of waste	No	The Rough stone and Gravel quarrying does not produce any toxic effluent.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	There is no such type of activities involved in this quarry project.
5.8	Emissions from any other sources	No	Emissions from other sources are not envisaged.

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

S. No	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Due to operation of vehicles there is likely hood of some increase in noise level. The noise level at site will be maintained below permissible limit. Measures like lubrication & preventive maintenance shall be taken to control noise from the vehicles. The vibration during the moment of vehicles will be minimal for a short span that will be well within the prescribed limits.
6.2	From industrial or similar processes	No	There is no proposal of processing plant.
6.3	From construction or demolition	No	No construction or demolition work takes place.
6.4	From blasting or piling	No	The quarrying activity will be carried out blasting for shattering effect and loosen the Rough stone. However, controlled blasting measures will be adopted for minimizing ground vibration.
6.5	From construction or operational traffic	Yes	The transport of Rough stone through tippers can produce noise but are maintained within permissible limits, by keeping vehicles in proper condition as per RTO & TNPCB Norms and maintenance under experience and qualified mechanics.
6.6	From lighting or cooling systems	No	The quarry operation will be carried out at the day time only hence the lighting and cooling systems are not required.
6.7	From any other sources	No	This quarrying project is site specific which is operated by Manual jackhammer drilling and limited blasting; hence external power other than HSD is not involved in this project.

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface water, ground water, coastal water or the sea:

S. No	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
7.1	From handling, Storage, use or spillage of hazardous materials	No	No hazardous materials will be used in the process. Oiling and lubrication of hauling vehicles will be done by using oil tray to prevent spillage of oil. Vehicles will be well maintained to prevent leakage of oil.
7.2	The discharge of sewage will be collected on soap pits will be discharge to a place authorized by municipal authorizes as per guidelines	No	Septic tank will be cleaned periodically and the sludge generated will be used as manure in the green belt.
7.3	By deposition of pollutants emitted to air into the land or into water	No	There is likely hood of increase of Particulate Matter due to quarrying operations. Regular sprinkling of water will suppress dust at points/places of generation.
7.4	From any other sources	No	An efficient and effective management plan is proposed for the project; hence it may not have any significant impact on the surrounding environment.
7.5	Is there a risk of long term buildup of pollutants in the environment from these sources?	No	No such type of activities not involved in this quarry.

8. Risk of accidents during construction or operation of the project, which could affect human health or the environment

S. No	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
8.1	From explosions, spillages, fires etc., form storage, handling, use or production of hazardous substances	No	The drilling and blasting are involved in the project for liberation and splitting of Rough stone. The explosive materials will be brought from authorized explosive license holder during blasting. There is no proposal of storage of explosives after the grant of quarry lease.
8.2	From any other causes	Yes	The risks of accidents are envisaged in quarry operations, failure of quarry pit slopes, tipper movement, etc. However, all safety measures shall be taken to prevent any accidents. The quarrying activities will be monitored under the supervision of experienced and qualified competent mines foreman.

8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)?	No	There is no earthquake, floods, Landslides, cloud burst recorded in the lease area. It's an opencast quarrying, hence this project could not affect severely due to the natural disasters.
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9. Factors which should be considered (such as consequential development) which could lead to environmental effects to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

S. No	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
9.1	Lead to development of supporting cities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste treatment, etc.) • housing development • extractive industries • supply industries • other 	No	Living standard will be improved of the nearby villagers. The proposed project shall directly/indirectly develop the area by providing employment, tax to government, development of ancillary units, shopkeeper, supermarket, mechanic shed etc., The workers are available from the nearby villages, hence the project will not attract housing Development, Extractive industries, supply industries or any other activities.
9.2	Lead to after- use of the site, which could have an impact on environment	No	The land does not used after the completion of quarrying operation the fencing will be constructed around the quarried pits to prevent the inherent entry of public and cattle.
9.3	Set a precedent for later developments	No	A better after use scenario with increase in greenery, besides the quarried out pit will act as a temporary reservoir which will enhance the static level of the Ground water in the nearby wells.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	No cumulative impacts are envisaged.

(III) Environmental Sensitivity

S. No	Areas	Name/identity	Aerial distance (within 15 km.) Proposed project location boundary																				
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	There are no such protected areas like ecological landscape, cultural area etc. identified within the 15 Km radius.																				
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	There is no coastal zone, Eco sensitive zone, Forest within the radius of 15Km. The area does not fall in HACA region. One seasonal odai is located on the western side of the area, 10m safety distance has been maintained from the odai. Noyyal River is situated 13km away from Southern side of the area. Lower Bhavani Project canal is situated 14km away from North eastern side of the area. Koolipalayam Reservoir is situated 14km away from South western side of the area.																				
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	There is no protected sensitive species are identified within the 15km radius.																				
4	Inland, coastal, marine or underground waters	No	There is no Inland, coastal, and marine or underground water around the site.																				
5	State, National boundaries	No	There is no interstate boundary with in 15km radius from the lease area.																				
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	There is no tourist, pilgrim areas within 15 Km radius																				
7	Defense installations	No	No defense installation found within 15Kms from the project area.																				
8	Densely populated or built-up area	Yes	<p>Kunnathur is densely populated village. This is about 4.0km on North western side of the area.</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Name of the Village</th> <th>Approximate distance & Direction from lease area</th> <th>Approximate population</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Vellarvalli</td> <td>2.0km – NE</td> <td>450</td> </tr> <tr> <td>2.</td> <td>Kunnathur</td> <td>4.0Km- NW</td> <td>850</td> </tr> <tr> <td>3</td> <td>Koonampatti</td> <td>1.5Km -SE</td> <td>450</td> </tr> <tr> <td>4</td> <td>Chengapalli</td> <td>5.0km - SW</td> <td>500</td> </tr> </tbody> </table>	S. No	Name of the Village	Approximate distance & Direction from lease area	Approximate population	1.	Vellarvalli	2.0km – NE	450	2.	Kunnathur	4.0Km- NW	850	3	Koonampatti	1.5Km -SE	450	4	Chengapalli	5.0km - SW	500
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9	Areas occupied by sensitive man-made land uses <i>(hospitals, schools, places of worship, community facilities)</i>	Yes	Tiruppur is having all the facilities which are at a distance of 19km on South western side of lease area.
10	Areas containing important, high quality or scarce resources <i>(ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)</i>	No	The quarry operation is restricted to only 7m below the ground level. Hence the ground water will not be affected beside the area is devoid of agriculture, Forestry, Tourist place etc.,
11	Areas already subjected to pollution or environmental damage. <i>(those where existing legal environmental standards are exceeded)</i>	No	This is the fresh quarry project, hence the area has not subjected to pollution or environmental damage. The atmosphere is quite fresh and it is proposed to carry out the quarrying operations an Eco friendly manner.
12	Areas susceptible to natural hazard which could cause the project to present environmental problems <i>(earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)</i>	No	The areas are not susceptible to natural hazards like landslides, earthquake, it is a high stable land. There are no evidences recorded in the past history.

“I hereby given undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date: 23.02.2016

Place: Tiruppur

1. Signature of the proponent with Name and Full Address

V.M.Chandrasekaran,
S/o. Murugasamy,
Vavithottam,
Kavuthampalayam,
Kunnathur via,
Tiruppur District
Mobile No: 9843016536

2. Signature of the Recognized qualified person

Dr. P. Thangaraju, M.Sc., Ph.D., M.M.E.A.,
RQP/MAS/206/2007/A