

# FORM 1 M

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**APPENDIX VIII**

**(See paragraph 6)**

**FORM 1 M**

**APPLICATION FOR MINING OF MINOR MINERALS UNDER CATEGORY 'B1'**

**(I) Basic Information**

(I) Name of the Mining Lease site: *C.Arasur Sand Quarry Project for Restoring the Functional Efficiency of the Coleroon River*

(II) Location / site (GPS Co-ordinates):

Survey Nos : 118/2 (P)  
Village : C.Arasur  
Taluk : Kattumannarkovil  
District : Cuddalore  
State : Tamil Nadu

<b>Topo sheet No</b>	<b>58-M/ 11</b>
<b>Latitude</b>	<b>11°15'18.1038"N to 11°15'34.7541"N</b>
<b>Longitude</b>	<b>79°38'45.7852"E to 79°38'53.3996"E</b>
<i>Latitude</i>	<i>Longitude</i>
11°15'34.7541"N	79°38'46.8177"E
11°15'34.3464"N	79°38'53.3996"E
11°15'18.1038"N	79°38'52.3670"E
11°15'18.5115"N	79°38'45.7852"E
Datum: UTM-WGS84, Zone 44 North	

(III) Size of the Mining Lease (Hectare): **10.00.0Ha**

(IV) Capacity of Mining Lease (TPA):

<b>Production Capacity</b>
The proposed quantity of reserves (level of production) to be mine 2,00,000m <sup>3</sup> of Sand up to depth <b>2m (1m Above Bed Level + 1m Below Bed Level)</b> Average for a period of one year.

- (V) Period of Mining Lease: **One Year**
- (VI) Expected cost of the Project: **Rs. 37,73,000/-**
- (VII) EMP Cost **Rs. 1,10,000/-**
- (VIII) Contact Information:
- Name of the applicant : The Executive Engineer,  
Address : Water Resources Department  
Mining and Monitoring Division,  
Viluppuram District.
- Phone No. : 97902 40626 and 93450 08479
- E-mail ID : [eepwdminingvpm@gmail.com](mailto:eepwdminingvpm@gmail.com)



## II. Environmental Sensitivity

Sl.No.	Areas	Distance in Kilometers / Details	
1	Distance of project site from nearest rail or road bridge over the concerned River, Rivulet, Nallah etc.	Nearest Railway line is Cuddalore – Mayiladuthurai Bridge The applied area is located in Coleroon River Uppanar River	9.0km-E 8.8km-SW 3.7km-SE
2	Distance from infrastructural facilities	Buffer Zone Area of Applied Area	
	Railway line	Cuddalore – Mayiladuthurai	9.0km-E
	National Highway	(NH-81) Coimbatore – Chidambaram Road	6.0km-NW
	State Highway	(SH-150) Vaitheeswarankoil – Lower Anaicut Road	6.0km-S
	Major District Road	(MD-425) Sirkazhi – Panakattangudy Road	2.0km-SE
	Any Other Road	The approach (metal) road is situated on the West side of the area which is connects to C.Arasur - Vellur village road located at 220m on the West side of the area	
	Electric transmission line pole or tower	660m-NW	
	Canal or check dam or reservoirs or lake or ponds	<b>Water bodies:</b> <ul style="list-style-type: none"> <li>➤ The applied area is located in Coleroon River</li> <li>➤ Odai – 470m- NW</li> <li>➤ Stream – 900m – NE</li> <li>➤ Canal – 2.5km - SE</li> <li>➤ Uppanar River – 3.7km – SE</li> <li>➤ Elanthoppu Dam – 3.7km – SE</li> <li>➤ Channal – 4.0km -W</li> <li>➤ Vaikkal – 4.3km -SE</li> <li>➤ Veeeranam Lake – 11.5km – NW</li> <li>➤ CRZ – 21.0km - NE</li> </ul>	
In-take for drinking water pump house	Beyond 500 Meters Radius from Quarrying Proposed area		
Intake for Irrigation canal pumps	Beyond 500 Meters Radius from Quarrying Proposed area		
3	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	<ul style="list-style-type: none"> <li>➤ Vaduvor Bird Sanctuary – 70.5km – SW</li> <li>➤ Karaivetti Bird Sanctuary – 70.7km – SW</li> <li>➤ Cauvery wildlife Sanctuary – 220.1km – NW</li> </ul>	
4	Areas which are important or sensitive for ecological reasons - Wetlands, water courses or other water bodies, coastal zone, biospheres, mountains, forests	<ul style="list-style-type: none"> <li>➤ Mangrove Forest – 20.5km-NE</li> <li>➤ Pichavaram Extension R.F – 22.0km-NE</li> <li>➤ Pichavaram R.F – 23.4km-NE</li> <li>➤ Vaduvor Bird Sanctuary – 70.5km – SW</li> <li>➤ Karaivetti Bird Sanctuary – 70.7km – SW</li> <li>➤ Cauvery wildlife Sanctuary – 220.1km – NW</li> </ul>	

5	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	None within 10 km radius	
6	Inland, coastal, marine or underground waters	<ul style="list-style-type: none"> <li>➤ The applied area is located in Coleroon River</li> <li>➤ Uppanar River</li> </ul>	3.7km-SE
7	State, National boundaries	None within 10 km radius Union Territory – 30.1km- SE Andhra Pradesh Interstate boundary – 198.8km-NW	
8	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	(SH-150) Vaitheeswarankoil – Lower Anaicut Road	6.0km-S
9	Defence installations	None within 10 km radius	
10	Densely populated or built-up area, distance from nearest human habitation	Nearest habitation	660m-NW
11	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	<ul style="list-style-type: none"> <li>➤ Government Higher Secondary School</li> <li>➤ Government Higher Secondary School</li> </ul>	965m-NE 3.3km-SE
		<ul style="list-style-type: none"> <li>➤ Government Hospital</li> <li>➤ Kunnam Government Hospital</li> </ul>	3.0km-NW 4.2km-NE
		<ul style="list-style-type: none"> <li>➤ Government Arts &amp; Science College Manalmedu</li> <li>➤ Government Arts &amp; Science College</li> </ul>	7.6km-SW 8.4km-NE
		<ul style="list-style-type: none"> <li>➤ Manmadhaeshvaran Temple</li> <li>➤ Kaliyamman Temple</li> </ul>	767m-E 885m-E
12	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	None within 10km radius	
13	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	None within 10km radius	
14	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic	Zone III, Moderate damage risk zone as per BMTPC, Vulnerability Atlas of Seismic zone of India IS:1893 – 2002. No history of such incidents in the area	



	conditions)	
15	Is proposed mining site located over or near fissure / fracture for ground water recharge	None
16	Whether the proposal involves approval or clearance under the following Regulations or Acts, namely: - (a) The Forest (Conservation) Act, 1980; (b) The Wildlife (Protection) Act, 1972; (c) The Coastal Regulation Zone Notification, 2011. If yes, details of the same and their status to be given.	Not Applicable
17	Forest land involved (hectares)	Not Applicable
18	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders or directions of the Court, if any, and its relevance with the proposed project.	Not Applicable

Date:

Place: Cuddalore

**1. Signature of the proponent with Name and Full Address**



The Executive Engineer,  
Water Resources Department,  
Mining and Monitoring Division,  
Viluppuram District,  
Tamil Nadu State – 605 602.  
Phone No: 97902 40626 and 93450 08479

**2. Signature of the Recognized Qualified Person**



Dr.M.Ifthikhar Ahmed, M.Sc., F.G.S, M.B.A., Ph.D.,  
RQP/MAS/183/2004/A

