

**TNSUDP**  
**Environmental Screening Report**

**1. Project Town:Paramakudi**

**2. Sub-Project:Road with Storm water drain**

**3. Brief Introduction& Background**

Paramakudi town was constituted as Municipality in the year 1964. There are about one College and 25 Schools functioning in the town (Govt.& Private). The economic background of the town is based on Big and Small wholesale Retail and Agricultural lands. The town is located 75km west of Madurai on NH Road and 45km of Ramanathapuram on NH. The Town is well connected by roads and transport network as NH 49 passes through this town. Besides, the town receives annual rainfall of 110mm every year (Average annual rainfall 8mm) which is experienced for about 120 days in a year. Therefore, it is necessary to lay the roads to high standards.

**4. The Project Objectives and Need**

**Water Supply:**

The municipality is provided with well designed protected Ramanathapuram combined water supply scheme. The source of water supply is River Vaigai and CWSS. The existing water supply scheme is maintained by the ULB and CWSS maintained by TWAD Board. Daily 5.50MLD of water is received and supplied to public at rate supply of 56 LPCD by alternate days.

Distribution main for a length 42 km and 20 Nos of Over Head tanks are in function and are well maintained.

**Under Ground Sewerage Scheme**

There is no UGSS Scheme functioning at present in the Municipality

**Solid Waste Management:**

There are 24703 households exist in the town. The population as per 2011 census is 95547 and the present population is approximately 104500 and the Floating population is 2000 per day. The quantity of garbage generated per day is 35.00MT.

The compost yard having an extent of 10.94 Acres is situated in Pambuvilunthan village situated at 3 Km from the town.

## 5. Need to Proposal

The entire road surface damaged due to Natural calamities and Pipe line laying work. It is difficult to vehicular traffic. Hence therefore it is necessity to relay the above damaged roads by improving the same to present traffic intensity.

## 6. Proposed Project

| S.No | Name of work  | Description   |
|------|---|---|
|      | Providing of B.T. Surface By using paver machine and Construction of storm water drain at Vaigai Nagar, Pudhu Nagar, Vilangammai Nagar and Devaraj nagar in ward No :01,33  | The existing road width of this package 4.00 & 5.00M and Proposed road width is 4.00 M & 4.50M Relaying of existing BT road, Formation of New BT surface and construction of storm water drain with culvert were included this package                          |
|      | Providing of B.T. Surface By using paver machine at Emanai Perumalkovil street, Burma colony, Jeevanagar, Kamaraj Nagar and Providing Paver block surface at Dharmarajapuram, SS colony, Kamarajar cross street, Patel street and Mudhaliyar street in Ward No :1,2,5,6,7,8,34  | The existing road width of this package 2.50 & 5.00M and Proposed road width is 2.50 M & 4.50M Relaying of existing BT road, Formation of New BT surface and Paver block surface and construction of storm water drain with culvert were included this package  |
|      | Providing of B.T. Surface By using paver machine and Construction of storm water drain at VP Colony, Burma colony, Gandhi Nagar and Providing Paver block surface at Kamala Nehru Nagar, Jeevanagar, Pallivasal street and LIC back side in Ward No :2,3,8,25   | The existing road width of this package 4.00 & 5.00M and Proposed road width is 4.00 M & 4.50M Relaying of existing BT road, Formation of New BT surface and Paver block surface and construction of storm water drain with culvert were included this package  |
|      | Providing of B.T. Surface By using paver machine and Construction of storm water drain at Railway feeder road, NSC Bose Road, Bharathi Nagar 3rd street, Melachathiram, Sathiyamoorthi street, Ayyadurai street and Providing Paver block surface at SM Agrakaram, Pavadi street, west pallivasal street, Ayyadurai lane, Karunanithipuram and Anna Nagar in Ward No:20,26,29,30,32 | The existing road width of this package 3.50 & 10.50M and Proposed road width is 3.50 M & 8.50M Relaying of existing BT road, Formation of New BT surface and Paver block surface and construction of storm water drain with culvert were included this package |
|      | Providing of B.T. Surface By using paver machine and Construction of storm water drain at Sundarajapattinam, Balan Nagar, Ponnaiahpuram, Mullai Nagar, Mani Nagar and Providing Paver block surface at Kattuparamakudi AD Colony, Velalar street, Ambedkar Nagar, Burma colony, Muthuvai timber cross street, Balan Nagar in ward No:24,25,27,28,34                                 | The existing road width of this package 3.00 & 5.00M and Proposed road width is 3.00 M & 4.50M Relaying of existing BT road, Formation of New BT surface and Paver block surface and construction of storm water drain with culvert were included this package  |

Also provide details of  
Roads- existing width and proposed width  
Drains /Culverts – existing / rehabilitation /new construction

**7.Environmental Screening**

**8.Permissions/ Clearances**

**Attach the following**

Filled in Environmental Screening format

Location map

Photos of proposed project alignment/ roads/ drains/ culverts

  
**Commissioner**  
**Paramakudi Municipality**

No. Street - 70 Nos

New Drain Length - 3.630 km

Raining Drain Length - 2.420 km

Kerb wall Length - 3.150 km

**TNSUDP**  
**ENVIRONMENTAL SCREENING FORM**

Name of the Borrower: Paramakudi Municipality

Project location : Paramakudi Municipal limits

Project : Roads with storm water drain

| Project Components     |  |  |    |         |
|------------------------|--|--|----|---------|
| Sl.no                  | Components   | Details  |    |         |
| 1                      | Brief description of the project proposal  | Relaying of existing BT road, Formation of New BT surface and Paver block surface and construction of storm water drain with culvert   |    |         |
| 2                      | Number of project sites and Project components   | 44 Nos<br>For BT Road – GSB,WMM,DBM&BC<br>For Paver block – WMM & Paver block 80mm thick with side kerb wall<br>For Drain- PCC 1:4:8,PCC 1:2:4 for side wall ,Plastering 1:5- 12mm thick of vent portion<br>For Culvert - PCC 1:2:4 for side wall ,Plastering 1:5- 12mm thick of vent portion,Steel fabrication and M20-Grade concrete |    |         |
| 3                      | Details of Alignment and Component   | BT road & Paver block road with storm water drain  |    |         |
| 4                      | Location of the Project Sites & Current Use (Provide information for all sites involved in the project)          | Within Municipal limit Roads   |    |         |
| Biological Environment |  |  |    |         |
| Sl.no                  | Components   | Yes  | No | Details |
| 5                      | Is the project adjacent to any of the following (Provide information for all sites and alignment of the project) |  | No |         |
| (i).                   | Cultural Heritage site   |  | No |         |
| (ii).                  | Protected Area   |  | No |         |
| (iii).                 | Wet Land/ Mangrove/ Estuarine Region   |  | No |         |
| (iv).                  | Natural Forests  |  | No |         |
| (v).                   | Other Sensitive Environmental Components as listed in ESMF   |  | No |         |
| (vi).                  | Residences, schools, hospitals etc   |  | No |         |
| (vii).                 | Drinking water source, upstream and downstream uses of rivers etc  |  | No |         |

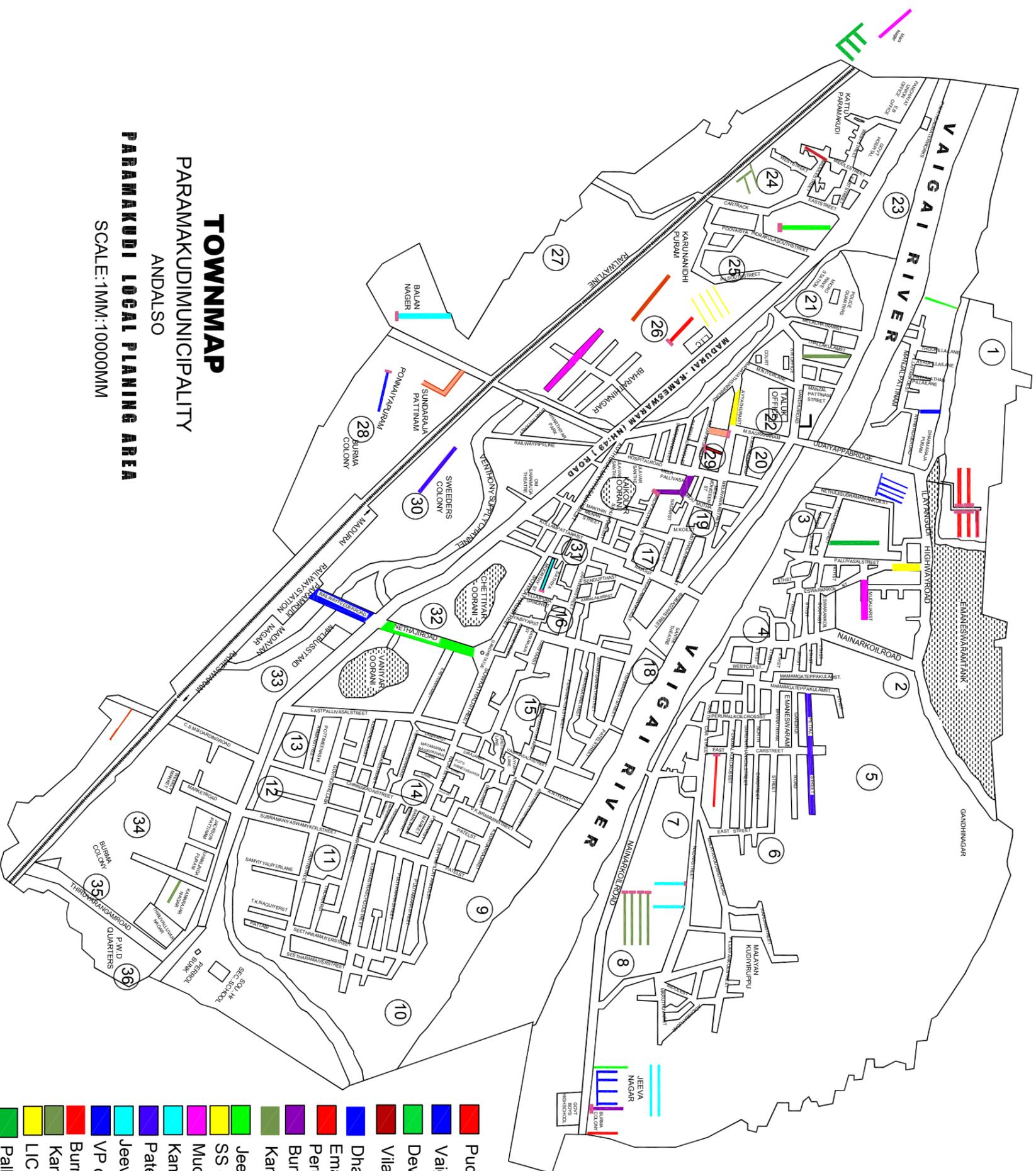
|                             |  |            |           |                |
|-----------------------------|--|------------|-----------|----------------|
| (viii).                     | Lowlying areas prone to flooding / areas of Tidal Influence (CRZ)  |            | No        |                |
| 6.                          | Does the proposed project could cause the following  |            |           |                |
| (i).                        | Impact on Surrounding Environmental Conditions   |            | No        |                |
| (ii).                       | Degradation of land / eco-systems  |            | No        |                |
| (iii).                      | Loss or impacts on Cultural / heritage properties  |            | No        |                |
| (iv).                       | Water Resource Problems  |            | No        |                |
| (v).                        | Pollution of Water bodies / ground water   |            | No        |                |
| (vi).                       | Cutting of Trees / Loss of Vegetation  |            | No        |                |
| (vii).                      | Health & Safety Risks in the neighbourhood   |            | No        |                |
| (viii).                     | Potential risk of habitat fragmentation due to the clearing activities? (eg. Hindrance to the local bio diversity like disturbing the migratory path of animals/ birds etc.) |            | No        |                |
| <b>Physical Environment</b> |  |            |           |                |
|                             | <b>Components</b>  | <b>Yes</b> | <b>No</b> | <b>Details</b> |
| 7                           | Will the project affects the River flow pattern, stream pattern or any other irrigation canal?   |            | No        |                |
| 8                           | Water quantity? Estimated usage of water quantity for the project  |            | No        |                |
| 9                           | Estimated energy consumption for the project activities  |            | No        |                |
| 10                          | Any other resources proposed to be utilized for project activity? (eg., ground water)  |            | No        |                |
| <b>Geology / Soils</b>      |  |            |           |                |
|                             | <b>Components</b>  | <b>Yes</b> | <b>No</b> | <b>Details</b> |
| 11                          | Does the project activity involve cutting and filling/ blasting etc...?  |            | No        |                |
| 12                          | Will the project cause physical changes in the project area (e.g., changes to the topography) due to excavation, earthwork etc...?   |            | No        |                |
| 13                          | Will the project involve any quarrying/ mining etc?  |            | No        |                |
| <b>Pollution</b>            |  |            |           |                |
|                             | <b>Components</b>  | <b>Yes</b> | <b>No</b> | <b>Details</b> |
| 14                          | Will the project use or store dangerous substances (e.g., large quantities of hazardous chemicals/   |            | No        |                |

|   |  |            |           |                |
|---|--|------------|-----------|----------------|
|   | materials like Chlorine, Diesel, Petroleum products etc...)?                                       |            |           |                |
| 15  | Will the project produce solid or liquid wastes?   |            | No        |                |
| 16  | Will the project cause air pollution or increase in emission of pollutants?                        |            | No        |                |
| 17  | Will the project generate or increase noise?   |            | No        |                |
| 18  | Will the project generate water pollution (water bodies/ groundwater)?                             |            | No        |                |
| 19  | Will the project cause construction Hazard to workers/ residents                                   |            | No        |                |
| 20  | Is there a potential for release of toxic gases or accident risks                                  |            | No        |                |
| <b>Environmental Enhancement Measures</b> |  |            |           |                |
|   | <b>Components</b>  | <b>Yes</b> | <b>No</b> | <b>Details</b> |
| 21  | Has the Project design considered the following?   |            | No        |                |
| (i).                                      | Is the project design considering energy conservation measures/ energy recovery options?           |            | No        |                |
| (ii).                                     | Is the project considering waste minimisation or waste reuse/recycle options?                      |            | No        |                |
| (iii).                                    | Has the project design considered RWH or any other environmental enhancement measure?              |            | No        |                |
| (iv).                                     | Has the project design considered extreme events, drought, flood, natural disasters?               |            | No        |                |
| <b>General</b>                            |  |            |           |                |
| 22  | Please indicate whether any other features of the project that could influence ambient environment |            | No        |                |
| 23  | Has any consultation with the public or stakeholders been conducted?                               |            | No        |                |

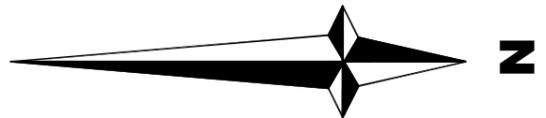
Date: \_\_\_\_\_

  
**Commissioner**  
 Signature and name of the Borrower  
**Paramakudi Municipality**

**Enclosures:** (Provide maps with the geographical location of the project; and an appropriately-scaled map clearly showing the project area and project sites with land use, existing buildings, infrastructure, vegetation, adjacent land use, utility lines, access roads and any planned construction, as required).



**TOWNMAP**  
 PARAMAKUDIMUNICIPALITY  
 ANDALSO  
 PARAMAKUDI LOCAL PLANNING AREA  
 SCALE: 1MM:10000MM



**Reference for Road & Culvert**

|                  |            |
|------------------|------------|
| No. Of Road      | - 44 Nos   |
| BT Road          | - 8.780 Km |
| Paver Block Road | - 5.895 Km |
| Drain Length     | - 3.630 Km |
| Drain Raising    | - 3.150 Km |
| kerb Wall        | - 2.380 Km |

- PuthuNagar
- VaigaiNagar
- DevarajNagar
- VilangammalNagar
- Dharmarajapuram
- Emaneswaram
- Perumalkovil Street
- Burma colony
- KamarajNagar
- JeevaNagar
- SS colony
- Mudhaliyarstreet
- Kamarajar cross street
- Patel street
- Jeeva Nagar
- VP colony
- Burma colony
- KamalaNehruNagar
- LIC Back side
- Pallivasal street
- Railway Feeder Road
- NSC Boss street
- Bharathinagar3rd street
- Malachathiram
- Sathiyamoorthi street
- Ayyadurai street
- SM Agrakaram
- Pavadi street
- west pallivasal street
- Ayyadurai lane
- Karunanithipuram
- AnnaNagar
- Ponnaiyapuram
- Kattuparamakudi AD colony
- Mullai Nagar
- Muthuvaitimber cross street
- BalanNagar
- Burma colony
- Mani Nagar
- AmbedkarNagar
- Velalar street
- Sundarajappattinam

