

STORM WATER DRAINS TO THOOTHUKUDI CITY MUNICIPAL CORPORATION – PHASE-I

Social Impact Assessment Report (Revised)

1.0 Introduction:

Based on the request of Thoothukudi City Municipal Corporation, prepared, a Detailed Project Report for providing storm water drains in the city has been prepared. The DPR is divided into four phases of which Phase-I is proposed to be taken up under the Tamil Nadu Sustainable Urban Development Project assisted by the World Bank¹.

2.0 Project Description of Phase-I:

The major component of this project is construction of primary drains for a length of about 25km, cross drainage works, improvements to S.V.Kulam. The entire phase-I of the project works are sliced into 6 packages. The package wise details of the project components, ownership, social impacts are provided in the following table.

Table No. 1: Description of project Components, ownership, impacts across 6 Packages

| Phase/ Package | Major works Included | Description of the components | Ownership | Social Impacts |
|-------------------|--|---|--------------|--|
| 1.Package I | Diversion of Kalangakari Odai to Periapallam Odai and allied works | <ul style="list-style-type: none"> • Kalangakari Odai Upto Highway(900m), • Kalugupathai Odai Upto Highway(610m) and • Kaluthapathai Odai Upto Highway(665m) with Trapezoidal Section. • Primary Drain Along NH-45-B: RCC twin Box channel.(4587m) | TCMC & NHAI. | <ul style="list-style-type: none"> • No LA & involuntary resettlement is envisaged. • NHAI has agreed for the project, vide meeting dated 23-02-2018 |
| 2.Package II | Construction of Kalangakari, Kalugupathai and Kaluthapathai Odai and diversion to S.V. Kulam | <ul style="list-style-type: none"> • Kalangakari Odai Joining S.V Kulam: RCC Rectangular Open Channel.(625m) • Kalugupathai Odai Joining S.V Kulam(2590m) & • Kaluthapathai Odai Joining S.V Kulam(1845m) : • Trapezoidal Section. Kaluthapathai Odai Joining S.V Kulam (From Pandarampatti Tank)(475m): RCC | TCMC. | <ul style="list-style-type: none"> • No LA & involuntary resettlement is envisaged. |

¹If the subsequent phases are taken up during the project, the linkage with this phase will be assessed and the social impacts will be mitigated in line with ESMF as required..

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|---------------|--|--|-------------|--|
| | | Rectangular Channel with cover Slab. | | |
| 3.Package III | Rejuvenation of S.V. Kulam with strengthening of earthen bund, waste weir and fixing outlet gates and Construction of Mullikulam tank with allied works. | <p>S.V.Kulam:</p> <ul style="list-style-type: none"> • To construct earthen bund of length 2.8km. • The hearing layers are proposed with keeping top width 2m with 1:1 slope for hearing zone. • It is proposed to provide stone pitching of 450mm thick from inside sloping portion of bund for full sloping side of bund. • To provide 1No. of gate on North & 1no of gate on South side with construction of necessary RCC chamber. • The outlet is proposed in RCC 1200 mm dia. RCC NP3 class pipes. <p>Mullikulam: The height of the bund above the ground level is about 1.20 m but the bund is without any hearing zone. It is proposed to construct a masonry wall of 0.45 m width and 1.20 m height at the middle of the bund by excavating the existing filled material</p> | TCMC | <ul style="list-style-type: none"> • No LA & involuntary resettlement is envisaged. |
| 4.Package IV | Construction of Main Storm Water Drain from S.V.Kulam along Meelavittan road and drain towards railway side drain and related works | Drain Along Meelavittan Road: Rectangular Channel with Top Slab. (Length: 1967m) | TCMC | <ul style="list-style-type: none"> • No LA & involuntary resettlement is envisaged. • State Highways clearance to be obtained prior to award of contract.The Dept has agreed in principle for the project. |
| 5.Package V | Construction of Storm Water Drain for Diversion of flow of | Trapezoidal shaped channel from outer limits of the city on NH7A up to the junction of NH45B within the land owned by the TCMC. Extension of existing culverts across the | TCMC & NHAI | <ul style="list-style-type: none"> • No LA & involuntary resettlement is envisaged. |

| | | | | |
|--------------|--|---|--|---|
| | ChengulamOdai to Upparu River and related works | NH7A up to proposed side channels. Connecting channel from those culverts up to chainage 900 m where twin box structure from flyover to Upparu River starts. Construction of about 3800 m length of box structure from chainage 900 up to Upparu River. | | |
| 6.Package VI | Construction of Main Storm Water Drain of MullakkaduOdai and related works | 0-1700 Trapezoidal. 2027-2033, 2037-2131(one side), 2137-2269, 2269-2303, 2334-2565: RCC section 1725 to 1867, 1871 to 1970, 1974 to 2027, 2037 to 2137(one side), 2303 to 2334 existing walls to be plastered. 2579 to 3103: Trapezoidal Section. | The existing kutcha drains runs for a length of 3.1km and the entire odails maintained by the Water User Association | <ul style="list-style-type: none"> No LA & involuntary resettlement is envisaged. Only Positive impacts as construction of drain will carry the storm waters. |

Table 1.2: S. V. Kulam before & after Rejuvenation

| Particulars | Before Rejuvenation | After Rejuvenation |
|-----------------------|--|---|
| Area of Pond | 52.38 Hectare | Area to be develop 40Ha. Out of 52.38Ha. |
| Bund Length | Length of earthen bund: - 2296 m. Length of masonry waste weir: - 90m | 2.30 Km |
| Bund Width | 2 to 3m | Av. Width- 7m |
| Bund Height | 1.5m | 2.5m |
| Average Depth of Tank | 0.5m | 1.4m |
| De-silted Area | - | 40 Ha |
| Total Volume | Filled up. | 5,53,200 Cum. |
| Ownership | TCCM | TCCM |
| Social Impacts if any | | <ul style="list-style-type: none"> No LA & involuntary resettlement. |

The work of re-juvenation of S.V. kulam included in Phase I of the Project includes strengthening of the peripheral earthen bunds by providing cut-off, hearting and casing and raising the bund height to safe guard against overtoppling and sliding. It also includes de-silting and deepening the water storage area of about 4.60 ha so as to create 2.0 m deth of live storage in addition to 0.50 m dead storage. 2 outlets with gate arrangement to facilitate a) release of water in the existing drain along the

railway track and b) through proposed drain along Meelavittan Road and thereby finally to discharge in to Buckle Canal are proposed to facilitate emptying the holding pond after storm flow of buckle canal recedes. The existing spillway of the pond is also proposed to be improved by undertaking its required repairs.

As the S.V. Kulam is in possession of the Thoothukudi City Municipal Corporation, no land acquisition will be required for any of the works of re-juvenation of the Kulam. There are no informal settlers depending on this canal. Thus, the implementation of this scheme will have a positive impact as it is a main flood diversion works

3.0 Social Impact Assessment for Phase-I:

Due to revised designs and construction methodology the social impacts are avoided for this Phase. The previously envisaged design has identified impacts to 11 land owners as private land was involved. (Provided in the Annexure -4). These impacts are now avoided as previous identified land is no longer required and the new design will be accommodated within TCMC lands. TNUIFSL has visited the site and ascertained that there are no impacts to the lands to be used for this sub-project involving any adverse impacts.

4.0 Social Categorisation:

Based on the change in the alignments, and revised designs and construction methodology, this sub-project is not involving acquisition of private land and involuntary resettlement. Hence this sub project is classified as S3 as per ESMF. Social Screening form submitted by TCMC is enclosed as Annexure-2.

5.0 Site Readiness Certification:

The Corporation Engineer/Project Engineer will provide a site readiness certification stating that all the sites are free of encumbrances and ready for handing over to the contractor and all the required clearances/ NOC (enter upon permissions) are obtained prior to award of contracts. Subsequently, during implementation, the Supervision consultants/Corporation Engineer will confirm on quarterly basis if any additional impacts encountered and those impacts will be mitigated as per ESMF provisions as required.

6.0 Stakeholders Engagement:

A stakeholder consultation was held on 19.09.2016 and Summary outcome of the consultation are as follows:

- Stakeholders suggested to keep proper slope at the time of construction of secondary and tertiary drains. The consultant has design the secondary and tertiary drain with adequate slope.
- To provide Rain water harvesting system in residential apartments and societies. The suggestion given by stakeholder is also noted by Consultant and Commissioner.
- Most of the stakeholders mentioned that they were affected severely by the inundation during the rains in 2015. They welcomed the project stating that they expect that the flooding would come down with the implementation of the SWD project.

Public Disclosure

The final SIA report will be disclosed after approval by TCMC in the websites of Thoothukudi City Municipal Corporation, TNUIFSL and the links will be shared with the World Bank for disclosing in its website.

7.0 Unforeseen Impacts:

Unforeseen impacts encountered during implementation will be addressed in accordance with the principles of ESMF of TNSUDP.

8.0 Impacts to Community Assets:

There is not any type of impacts to community assets of this project.

Employment to Local people. As mentioned in the screening report, the TCMC will encourage contractors to employ local people and this will be monitored by reporting in the quarterly progress reports.

9.0 Beneficiary Assessment:

The entire project is flood diversion work and falls under the priority area will result in carrying the storm floods thereby reducing inundation, impedance etc., This will result in avoiding losses to the infrastructure and general public. Implementation of this project will have a positive impact on the project town. The base line situation will be documented and will be compared post scheme implementation to measure the positive impacts. There are 146 no of flooding/inundation hotspots in the Phase-I which affected nearly 59481 population in the earlier floods. Implementation of this scheme will reduce the 15 no of flooding hotspots to and will benefit 6105 population and resultant impacts.

10.0 Grievance Redressal Mechanism:

Two tiers Grievance Redressal Mechanism is proposed one at the project level and second at the Appellate level in addition to the existing Grievance Redressal Mechanism in the Thoothukudi City Municipal Corporation. These committees will be constituted and will be in place prior to award of works. The details are as follows:

A project level grievance redressal committee will be set up and the members are as follows **(preferably one of them as women)**

- The Zonal Officer /Assistant Commissioners of TCMC
- Any one Elected representative
- A social activist from the local area
- Executive Engineer /City Engineer (Convener)

All the grievances relating to the implementation of Storm water Drainage TCMC phase 1 shall be handled by the Zonal Officers/ Regional Deputy Commissioners of the respective zones of the project area. There will be a participatory approach to include the suggestions, opinions and plans of the PAF families address the grievances. The PMC will assist the PAPs to take up any issue that cannot be resolved. The time for resolving the grievances is generally 30 days from receipt of the complaints. The people can submit the grievance in a written form and PMC will assist. The GRC will meet periodically to dispose of the complaints. People who have disagreement with the outcome may appeal to the Commissioner, who will be appellate authority for this purpose. The composition and contact details of GRC will be notified and widely disseminated among the affected people. TNUIFSL will provide sufficient briefing to the GRC on the ESMF provisions, so that they are in a position to deal with the grievances in line with the ESMF provisions.

The aggrieved person has to contact the project level GRC to air their grievances. The EE is the convener and will convene the meeting as and when required or at frequent intervals in order to resolve the grievances. The proceeding of the meetings will be recorded and minuted. The decision taken on the grievances will be intimated to the aggrieved person. If the aggrieved person is dissatisfied with the decision He/ She can approach the Appellate GRC and get the grievance resolved.

contact details

| The Zonal Office/Assistant Commissioner | The Executive Engineer |
|---|--|
| Main office & North Zone: 9443132365 | Executive Engineer (Works): 98843 98895 |
| East Zone: 9489690614 | |
| South Zone: 9488072537 | |
| North Zone: 9790444827 | |
| West Zone: 9443527347 | |

Address of Main Office:

Thoothukudi City Municipal Corporation,
113, Palai Road,
Thoothukudi-628002.
Office Phone: 0461-2326901, 2326902, 2326903
Fax: 0461-2320457
Email: commr.thoothukudi@tn.gov.in

11 Implementation Arrangements & Monitoring and Reporting:

This sub-project will be implemented by the Thoothukudi Municipal Corporation through Project Management Consultants. The Corporation through its social safeguard specialist or Social Safeguard Specialist appointed by PMC will monitor the progress of work and continuously screen the project sites for social impacts and prepare monthly progress report and certify that no social impacts encountered during the reporting month. The PMC Social Safeguards specialist also ensures the safety during construction, safety of adjacent structures during excavation, workers safety etc. The monthly progress report shall be submitted to CMA/TNUIFSL along with physical progress reporting. Any changes in the designs, alignments will be reported to TNUIFSL. Any social impacts identified during the implementation of the project shall be mitigated as per ESMF. The scope of Supervision consultants will include reporting on the additional adverse social impacts encountered during the implementation and dealing with those impacts in line with ESMF provisions.

The Contractors to prepare C-ESMP to address ESH and labour influx issues prior to commencement of works. The contractors also set up grievance redressal mechanism as per in order to deal with the construction related complaints/grievances from the local people. The Contractors to comply with ESHS provisions as provided in the bidding documents. ESHS Management is included as part of the bid documents under the Technical Specification section.

Annexures

1. Stakeholder Consultation Minutes.
2. Social Screening Form
3. WUA Consent Letter.
4. List 14 PAFs identified earlier with survey no and address

Annexure-1

MINUTES OF THE MEETING OF THE STAKEHOLDERS MEETING FOR “CONSULTING SERVICES FOR PREPARATION OF DETAILED PROJECT REPORT FOR PROVIDING STORM WATER DRAINS FOR THE THOOTHUKUDI CITY MUNICIPAL CORPORATION (TCMC)” HELD ON 19.09.2016 AT 4.00PM AT CORPORATION MARRIAGE HALL, NEAR SHIVAM TEMPLE, THOOTHUKUDI.

| Sr. No. | Name | Designation |
|---------|-------------------------|--|
| 1 | A.P.R. Anthony Grace | Honorable Mayor TCMC. |
| 2 | P. Xavier | Dy. Mayor TCMC. |
| 3 | Mrs. Poongodi Arumaikan | Commissioner TCMC. |
| 4 | Thiru. A. Lakshamanan | Executive Engineer, TCMC. |
| 5 | Smt. Subbulakshami | Assistant Executive Engineer, TCMC. |
| 6 | Mr. Suresh Wagh | Suncon Engineers , |
| 7 | Mr. Rajendra Magar | Suncon Engineers |
| 8 | Ms. Elamathi | Suncon Engineers |
| 9 | Mr. Sudhakar Wabale | Suncon Engineers |
| 10 | Mr. A. Sankar | Executive Director, Empower India, Civil Society Organization. Member of District Consumer Disputes Redressal Forum (Consumer Court) |
| 11 | Mr. K. PonVenkatesh | Jt. Secretary, Indian Chamber of Commerce & Industry. |

All AEs of different department of corporation, AEE & AE of PWD Thoothukudi and 121 persons including Councilors, NGOs and other social dignitaries were attended the meeting.

1. The consultants explained the objectives, scope and deliverable's pertaining to the consultancy assignment
2. The total project area is 90.66 Sq. kms which includes the expanded area and the annual rainfall for Thoothukudi is 673mm.
3. The total road length including that of the Highways is 655 kms and the existing drains in the project area is 173 kms.
4. The consultant informed that 10 Permanent benchmarks and 179 Temporary benchmarks have been established.
5. In total 90 trial pits have been done conforming to MoUD guidelines for 1*1 Sq. km grid and the total surface water sample analyzed is 5 and groundwater is 5 Nos. with 3 silts samples.
6. The rainfall data of 36 years have been collected from IMD and the years of 2008, 2014 and 2015 have seen great floods. and the return rainfall intensity for various years have been calculated based on Annual Exceedance series.
7. The consultant mentioned that rainfall Return period of 2 years for Secondary, Tertiary and Road side drains and 5 years return rainfall intensity for canals/waterways / odai and other primary drains have been adopted for design purpose.

8. The consultant mentioned that the Topography of Thoothukudi is too flat with maximum elevation of 19mts and minimum is -1.101mts below sea level. The maximum high tide level is 0.92mts and low tide level is -0.05mts. CMA informed the consultant to obtain the tidal data from authentic sources such as IRS, Anna University.
9. The consultant mentioned that project area has been bifurcated into 5 catchments namely Upparu River Catchment, Buckle Canal, Mullakkadu, Periapallam Odai and Sub-catchments draining via creek/sea.
10. The consultant has informed that S.V. Kulam, a major water body in the study area has an area of 52.38 hectares and needs de-silting to enhance the holding capacity and improvement works in surplus weir, bund strengthening etc. while, Old Sankaraperi and Meelavittan lakes are defunct and not in use now.
11. The consultant mentioned that the recent floods caused is due to the flow from outside catchment area of the project area is draining only to the Buckle canal through Kalangakari Odai, Kalugupathai Odai and Kaluthapathai Odai but Buckle Canal has very low slope and carrying capacity is limited to 15 cum/sec.
12. The consultant has also mentioned that some low level pockets lie within the old corporation areas and pumping could be the only solution for those areas which has to be finalized after designing the tertiary drains for those areas.
13. The consultants informed that silt pits will be proposed for every 500 mts for drains of having width of 1 mts and above and Catch pits will also be proposed at every 10 mts for lesser size drains. The consultant was informed to replace the 300 X 300 mts sized drains in the design with Kerb and Gutter arrangements based on feasibility.
14. Rainwater harvesting shall also to be proposed in all primary and secondary drains at the interval of 500 mts along with necessary silt catch pit at every 30 mtrs based on feasibility. The consultant was requested to include provision of RWH inside the drains greater than size of 1 mts based on soil conditions.
15. One of the stakeholders suggested to Rain water harvesting in residential apartments and societies, which was agreed by Commissioner.
16. The consultants suggested the following proposals for effective flood management of the study area after their analysis.
 - a. Diversion of outside catchment flow from Kalangakari Odai, Kalugupathai Odai & Kaluthapathai Odai (On the north-west side of the city) along NH-45B to Periapallam Odai Upto Sea. By this proposal reduction of 1560 ha. Catchment area of Buckle canal will be achieved.
 - b. Diversion of flow of Kalangakari Odai between portion from NH-45B and Meelavittan village to S.V. Kulam and the capacity of S.V. Kulam will also be improved.
 - c. Diversion of flow of Kaluthapathai Odai (between portion NH-45B after the crossing of highway & Pandarpatti) to S.V. Kulam.
 - d. Improvements to S.V. Kulam by increasing the holding capacity, improvements to the bunds and diversion of flow to Buckle canal through Meelavittan road by constructing a new surplus weir in S.V. Kulam.
 - e. Diversion of flow of from Chengulam Odai to Upparu River along NH-45B. This proposal will reduce 2100 Ha catchment area of Buckle Canal.
17. The consultant informed the priority works which needs to be taken up immediately.

- a) Diversion of outside catchment flow from Kalangakari Odai, Kalugupathai Odai & Kaluthapathai Odai (On the north-west side of the city) along NH-45B to Periapallam Odai Upto Sea. By this proposal reduction of 1550 ha. Catchment area of Buckle canal will be achieved.
 - b) Diversion of flow of Kalangakari Odai between portion from NH-45B and Meelavittan village to S.V. Kulam and the capacity of S.V. Kulam will also be improved.
 - c) Diversion of flow of Kaluthapathai Odai (between portion NH-45B after the crossing of highway & Pandampatti) to S.V. Kulam.
 - d) Improvements to S.V. Kulam by increasing the holding capacity, improvements to the bunds and diversion of flow to Buckle canal through Meelavittan road by constructing a new surplus weir in S.V. Kulam.
 - e) Diversion of flow of from Chengulam Odai to Upparu River along NH-45B. This proposal will reduce 2100 Ha catchment area of Buckle Canal.
17. The consultant informed the priority works which needs to be taken up immediately.
- a) Diversion of North side 3 Odais to Periapallam Odai along NH-45B.
 - b) Diversion of Chengulam Odai to Upparu River along NH-45B.
 - c) Diversion of Kalangakari Odai and Kaluthapathai Odai into S.V. Kulam.
 - d) Use of S.V. Kulam as holding pond by de-silting / deepening, repairs / modification of bund / waste weir / outlet arrangement.
 - e) Construction of Channel along Meelavittan Road for S.V. Kulam.
 - f) Widening of Mullakkadu Odai.
18. The consultant informed that Buckle Canal widening is not possible due to longitudinal road development so Drain diversion along State Bank colony road would be recommended which ends at sea. Kalangakari Odai (Below S.V.Kulam) flows along railway line which would have to connect to other than Buckle canal. So it is possible to connect to Creek Point after Tiruchandur Road.
19. One of the stakeholder suggested to keep proper slope at the time of construction of secondary and tertiary drains, which was agreed by Consultant and Commissioner.
20. The consultants proposals have been accepted by TCMC

(Sd) R.Poongodi Arumaikan
Commissioner
Thoothukudi City Municipal Corporation

/True Copy/


For Commissioner
Thoothukudi City Municipal Corporation


Attendance Register (Scanned Copy)

THOOTHUKUDI CITY MUNICIPAL CORPORATION

Stakeholder Meeting

Place :- Corporation Kalyana Mandabam, Sivan Koil street, Thoothukudi

Date :- 19-09-2016

Sub : 1) Integrated Bus Stand 2) Storm Water Drain 3) Truck Terminal

| Sl.No | Name | Designation /Public | Signature |
|-------|---|----------------------------------|--------------------------------|
| 1 | <i>[Handwritten Name]</i> 9989714812 | <i>[Handwritten Designation]</i> | <i>[Handwritten Signature]</i> |
| 2 | D. Sankar | ABE PWD | <i>[Handwritten Signature]</i> |
| 3 | E. Rasupathikanathan | ABE / PWD / MDO | <i>[Handwritten Signature]</i> |
| 4 | P.K. Jayabalan 98621-27433 | Officer | <i>[Handwritten Signature]</i> |
| 5 | V. Theerthapada 94451-6455 | Production Chamber | <i>[Handwritten Signature]</i> |
| 6 | Don Jeyaraj | Public | <i>[Handwritten Signature]</i> |
| 7 | <i>[Handwritten Name]</i> | " | <i>[Handwritten Signature]</i> |
| 8 | <i>[Handwritten Name]</i> | " | <i>[Handwritten Signature]</i> |
| 9 | M. Edmund | Supdt SETC / TCN | <i>[Handwritten Signature]</i> |
| 10 | RAJARAJEN M. | PUBLIC | <i>[Handwritten Signature]</i> |
| 11 | R. Lakshmi | Public | R. Lakshmi |
| 12 | <i>[Handwritten Name]</i> | " | <i>[Handwritten Signature]</i> |
| 13 | M. Anand | " | M. Anand |
| 14 | <i>[Handwritten Name]</i> | " | <i>[Handwritten Signature]</i> |
| 15 | <i>[Handwritten Name]</i> | " | <i>[Handwritten Signature]</i> |


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Stakeholder Meeting

Place :- Corporation Kalyana Mandabam, Sivan Koli street, Thoothukudi

Date : -19-09-2016

Sub : 1) Integrated Bus Stand 2) Storm Water Drain 3) Truck Terminal

| Sl.No | Name | Designation /Public | Signature |
|-------|-----------------------|---------------------|--|
| 16. | T. Jaganmudara Ponnai | 2A/92 MADATHU | |
| 17 | K. பரமசிவன் | Thoothukudi -5 |  19.09.2016 K. Jaganmudara Ponnai |
| 18. | S. சிவசுப்பிரமணியன் | செட்டிமேட்டி | K. பரமசிவன் |
| 19. | | மெளது | S. சிவசுப்பிரமணியன் |
| 19. | P. சிவசுப்பிரமணியன் | மெளது | P. சிவசுப்பிரமணியன் |
| 20 | V. சுவாமிநாதன் | மெளது | V. சுவாமிநாதன் |
| 21 | ம. சிவசுப்பிரமணியன் | மெளது | ம. சிவசுப்பிரமணியன் |
| 22. | V. சுவாமிநாதன் | மெளது | V. சுவாமிநாதன் |
| 23 | ச. சுவாமிநாதன் | மெளது | ச. சுவாமிநாதன் |
| 24 | R. சிவசுப்பிரமணியன் | மெளது | R. சிவசுப்பிரமணியன் |
| 25 | ம. சிவசுப்பிரமணியன் | மெளது | ம. சிவசுப்பிரமணியன் |
| 26 | ம. சிவசுப்பிரமணியன் | மெளது | ம. சிவசுப்பிரமணியன் |
| 27 | M. சிவசுப்பிரமணியன் | மெளது | |
| 28 | P. சிவசுப்பிரமணியன் | மெளது | |
| 29 | M. சிவசுப்பிரமணியன் | மெளது | |
| 30 | A. சிவசுப்பிரமணியன் | மெளது | A. சிவசுப்பிரமணியன் |
| 31 | J. சிவசுப்பிரமணியன் | மெளது | J. சிவசுப்பிரமணியன் |
| 32 | S. சிவசுப்பிரமணியன் | மெளது | S. சிவசுப்பிரமணியன் |

THOOTHUKUDI CITY MUNICIPAL CORPORATION

Stakeholder Meeting

Place :- Corporation Kalyana Mandabam, Sivan Koil street, Thoothukudi

Date :- 19-09-2016

Sub : 1) Integrated Bus Stand 2) Storm Water Drain 3) Truck Terminal

| Sl.No | Name | Designation / Public | Signature |
|-------|-----------|----------------------|---------------|
| 33 | பெரியசாமி | | B. Periyasami |
| 34 | செல்வா | மெய்ய | V. Selva |
| 35 | செல்வா | மெய்ய | R. Selva |
| 36 | பெரியசாமி | மெய்ய | S. Periyasami |
| 37 | செல்வா | மெய்ய | M. Selva |
| 38 | செல்வா | மெய்ய | S. Selva |
| 39 | செல்வா | மெய்ய | S. Selva |
| 40 | செல்வா | மெய்ய | S. Selva |
| 41 | செல்வா | மெய்ய | S. Selva |
| 42 | செல்வா | மெய்ய | S. Selva |
| 43 | செல்வா | மெய்ய | S. Selva |
| 44 | செல்வா | மெய்ய | S. Selva |
| 45 | செல்வா | மெய்ய | S. Selva |
| 46 | செல்வா | மெய்ய | S. Selva |
| 47 | செல்வா | மெய்ய | S. Selva |
| 48 | செல்வா | மெய்ய | S. Selva |
| 49 | செல்வா | மெய்ய | S. Selva |
| 50 | செல்வா | மெய்ய | S. Selva |

THOOTHUKUDI CITY MUNICIPAL CORPORATION

Stakeholder Meeting

Place : Corporation Kalyana Mandabam, Sivan Koll street, Thoothukudi

Date : -19-09-2016

Sub : 1) Integrated Bus Stand 2) Storm Water Drain 3) Truck Terminal

| Sl.No | Name | Designation /Public | Signature |
|-------|-----------------|--------------------------|----------------------|
| 51 | செ.விஜயலக்ஷ்மி | பொது | செ.விஜயலக்ஷ்மி |
| 52 | சீ.சீ.சீ.சீ. | பொது | சீ.சீ.சீ.சீ. |
| 53 | T. சந்திரசேகரன் | பொது | T. சந்திரசேகரன் |
| 54 | S. சந்திரசேகரன் | பொது | S. சந்திரசேகரன் |
| 55 | சீ.சீ.சீ.சீ. | MVIOM RPO Thoothukudi | சீ.சீ.சீ.சீ. |
| 56 | சீ.சீ.சீ.சீ. | SAVI: RTO, Tutu | சீ.சீ.சீ.சீ. 19/9/16 |
| 57 | R. சந்திரசேகரன் | CDS | R. சந்திரசேகரன் |
| 58 | சீ.சீ.சீ.சீ. | பொது | Lakshmi |
| 59 | சீ.சீ.சீ.சீ. | பொது | J. Rubavalli |
| 60 | M. சந்திரசேகரன் | பொது | M. சந்திரசேகரன் |
| 61 | V. சந்திரசேகரன் | பொது | V. சந்திரசேகரன் |
| 62 | M. சந்திரசேகரன் | பொது | M. சந்திரசேகரன் |
| 63 | M. சந்திரசேகரன் | பொது | M. சந்திரசேகரன் |
| 64 | M. சந்திரசேகரன் | பொது | M. சந்திரசேகரன் |
| 65 | N. சந்திரசேகரன் | பொது | N. சந்திரசேகரன் |
| 66 | R. சந்திரசேகரன் | பொது | R. சந்திரசேகரன் |
| 67 | சீ.சீ.சீ.சீ. | பொது | சீ.சீ.சீ.சீ. |

THOOTHUKUDI CITY MUNICIPAL CORPORATION

Stakeholder Meeting

Place -> Corporation Kalyana Mandabam, Sivan Koll street, Thoothukudi

Date : -19-09-2016

Sub : 1) Integrated Bus Stand 2) Storm Water Drain 3) Truck Terminal

| Sl.No | Name | Designation /Public | Signature |
|-------|-------------------|-------------------------|---------------------------------|
| 68 | U. S. Srinivasan | Bas... .. City SW... | [Signature] 19/09/2016 |
| 69 | S. Mani | Mani | [Signature] |
| 70 | S. Srinivasan | ... | [Signature] 9421 3252 9426 2423 |
| 71 | D. Srinivasan | ... | [Signature] - 9443145665 |
| 72 | K. Srinivasan | ... | [Signature] - 9489122085 |
| 73 | A. Rajavel | ... | [Signature] 716653251 |
| 74 | Sankar | ... | [Signature] |
| 75 | P. Srinivasan | ... | [Signature] 9566600667 |
| 76 | JESU | ... | [Signature] 9189129022 |
| 77 | Mani | ... | [Signature] 9791584062 |
| 78 | S. Srinivasan | ... | [Signature] |
| 79 | T. Srinivasan | ... | [Signature] 9363112101 |
| 80 | D. Srinivasan | ... | [Signature] 8489799885 |
| 81 | P. Chandrasekaran | Thangan Bus Company | [Signature] 9443165129 |
| 82 | RISUNDARA MOORTHY | NKR ROADNER | [Signature] 98437 43583 |
| 83 | G. S. KANNAN | SRI SAKTHI BUS | [Signature] 9305251021 |
| 84 | M. Srinivasan | ... | [Signature] 4914811635 |
| 85 | A. Srinivasan | ... | [Signature] |

THOOTHUKUDI CITY MUNICIPAL CORPORATION

Stakeholder Meeting

Place : Corporation Kalyana Mandabam, Sivan Koil street, Thoothukudi

Date : -19-09-2016

Sub : 1) Integrated Bus Stand 2) Storm Water Drain 3) Truck Terminal

| Sl.No | Name | Designation / Public | Signature |
|-------|----------------------|----------------------|-----------------------|
| 86 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 87 | ச. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 88 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 89 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 90 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 91 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 92 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 93 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 94 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 95 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 96 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 97 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 98 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 99 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 100 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 101 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 102 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |
| 103 | செ. சிவசுப்பிரமணியன் | பொதுமக்கள் அமைப்பு | [Signature] 969878822 |

THOOTHUKUDI CITY MUNICIPAL CORPORATION

Stakeholder Meeting

Place :- Corporation Kalyana Mandabam, Sivan Koil street, Thoothukudi

Date :- 19-09-2016

Sub : 1) Integrated Bus Stand 2) Storm Water Drain 3) Truck Terminal

| Sl.No | Name | Designation /Public | Signature |
|-------|-------------------|---------------------|-------------|
| 104 | A-S-MURUGESAN | Area Engineer | [Signature] |
| 105 | J. G. Lakshmi | Learning Engineer | [Signature] |
| 106 | C. John Anand | Inspector | [Signature] |
| 107 | A. Jayakumar | Asst. Engineer | [Signature] |
| 108 | S. Anand Babu | Asst. Engineer | [Signature] |
| 109 | [Name] | [Designation] | [Signature] |
| 110 | P. Lakshmi | [Designation] | [Signature] |
| 111 | S. [Name] | [Designation] | [Signature] |
| 112 | J. ISSAC, [Name] | [Designation] | [Signature] |
| 113 | M. [Name] | [Designation] | [Signature] |
| 114 | R. [Name] | [Designation] | [Signature] |
| 115 | M. [Name] | [Designation] | [Signature] |
| 116 | S. V. Jay. Sathya | [Designation] | [Signature] |
| 117 | R. Thangaraj | Assistant Engineer | [Signature] |
| 118 | P. Selvakumar | " " | [Signature] |
| 119 | D. Mani Kumar | Vasanthambal | [Signature] |
| 120 | P. B. [Name] | [Designation] | [Signature] |
| 121 | R. [Name] | [Designation] | [Signature] |

Photographs of Group Discussion with Stakeholders



Print Media News about the stakeholder consultation

The representatives of concern media were present at the time of stakeholders' consultation. The news published in "The Hindu" newspaper dated 20th September 2016.

News published in Daily news paper

SEPTEMBER 20, 2016
REGION

MADURAI

Sep 21, Wed
07:00:00 **SEY 18:15**
07:00:00 **SEY 18:15**

Sep 22, Thu
06:07:00 **SEY 18:13**
06:07:00 **SEY 18:13**

Tirunelveli Maximum **37** Minimum **27**

Kanyakumari Today 33°C
The morning will be comfortable. A mostly cloudy day is expected to persist. A warm day. A pleasant night is expected.

Furore over new bus stand proposal for Thoothukudi

DMK councillors raise objections at meeting held to hear public view

STAFF REPORTER

THOOTHUKUDI A meeting organised by the Corporation here on Monday evening to hear public opinion about new integrated bus stand to be constructed in Thoothukudi and construction plans for drainage channels to control flood witnessed scenes of pandemonium as DMK councillors raised their objections vociferously to the new bus stand proposal.

At the meeting presided over by Mayor A.P.K. Anthony Grace, the DMK councillors walked up to the stage at the meeting hall and appealed to the corporation authorities to stop organising such meetings. Subsequently, some traders also joined them and opposed the State government's move to build the new bus stand.

Even before explaining the detailed project report of the integrated bus stand, the DMK councillors created a chaotic situation.

The State government had issued an order to construct the integrated bus stand opposite Fisheries College and Research Institute on 25 acres and already all 60 councillors signed to acknowledge it, the Mayor said.

The meeting was delayed by almost an hour as the DMK councillors did not allow it to commence.

Corporation Commissioner R. Poongodi Aru-



PANDEMONIUM: Councillors having a heated argument with officials at the public hearing in Thoothukudi on Monday. PHOTO: N. RAJESH

maikan asked the DMK councillors to take their seats and said it was not a council meeting.

Meanwhile, one of them used abusive language and the Commissioner appealed to the councillors not to use such words. The Mayor along with Deputy Mayor P. Xavier, Executive Engineer A. Lakshmanan and other Corporation staff came to shield the Commissioner.

Later, the DMK councillors pulled out the chairs and forced the attendants to exit the meeting hall.

Surprisingly, there was

no police presence to control the situation.

It was during 2011 that the State government announced the new bus stand proposal. Only the DMK councillors, some traders and women self-help group members were present at the meeting, with very few common people. Such a public hearing was not necessary at this point of time when all eyes were focused on the upcoming local body election, said a social activist, R. Manikandam.

The Commissioner said it was planned to construct

drainage channels to carry flood water for a length of 175 km from various destinations to connect to the sea. To prevent floods, which haunted the public during November last in Thoothukudi following heavy rains in other parts of district, necessary efforts were being taken, she said. Most of the AIADMK councillors boycotted the meeting.

However, the meeting that went on for more than an hour concluded with the Corporation deciding to go ahead with the proposals.

Annexure-2

SOCIAL SCREENING FORM
(to be prepared by the Borrowers for each project)

Name of the Borrower: Thoothukudi City Municipal Corporation.

Project Location: Thoothukudi

Project: Consultancy assignment for Preparation of Detailed Project Report (DPR) for Providing Storm Water Drains in the Thoothukudi Municipal Corporation area.

| Land Use, Resettlement, and/or Land Acquisition | | | | |
|--|---|------------|-----------|---------------------------------------|
| Sl.no | Components | Yes | No | Details |
| 1 | Does the project involve acquisition of private land? | | No | |
| 2 | Alienation of any type of Government land including that owned by Urban Local Body? | | No | |
| 3 | Clearance of encroachment from Government/ Urban Local body Land? | | No | |
| 4 | Clearance of squatters/hawkers from Government/ Urban Local Body Land? | | No | |
| 5 | Number of structures, both authorized and/or unauthorized to be acquired/ cleared/ | | No | |
| 6 | Number of household to be displaced? | | No | |
| 7 | Details of village common properties to be alienated Pasture Land (acres) Cremation/ burial ground and others specify? | | No | |
| 8 | Describe existing land uses on and around the project area (e.g., community facilities, agriculture, tourism, private property)? | Yes. | | Details are mentioned in Main Report. |
| 9 | Will the project result in construction workers or other people moving into or having access to the area (for a long time period and in large numbers compared to permanent residents)? | | No | |
| 10 | Are financial compensation measures expected to be needed? | | No | |
| Loss of Crops, Fruit Trees, Household Infrastructure and livelihood | | | | |
| Sl.no | Components | Yes | No | Details |
| 11 | Will the project result in the permanent or temporary loss of the following? | | | |
| 11.1 | Crops? | | No | |
| 11.2 | Fruit trees / coconut palms? Specify with | | No | |


| | numbers | | | |
|--|---|------|----|--|
| 11.3 | Petty Shops/ Kiosks | | No | |
| 11.4 | Vegetable/Fish/Meat vending | | No | |
| 11.5 | Cycle repair shop | | No | |
| 11.6 | Garage | | No | |
| 11.7 | Tea stalls | | No | |
| 11.8 | Grazing | | No | |
| 11.9 | Loss of access to forest produce (NTFP) | | No | |
| 11.10 | Any others - specify | | No | |
| Welfare, Employment, and Gender | | | | |
| Sl.no | Components | Yes | No | Details |
| 12 | Is the project likely to provide local employment opportunities, including employment opportunities for women? | Yes | | As a labour at the time of construction of drains. |
| 13 | Is the project being planned with sufficient attention to local poverty alleviation objectives? | Yes | | |
| 14 | Is the project being designed with sufficient local participation (including the participation of women) in the planning, design, and implementation process? | Yes. | | |
| Historical, Archaeological, or Cultural Heritage Sites | | | | |
| Sl.no | Components | Yes | No | Details |
| Based on available sources, consultation with local authorities, local knowledge and/or observations, could the project alter: | | | | |
| 15 | Historical heritage site(s) or require excavation near the same? | | No | |
| 16 | Archaeological heritage site(s) or require excavation near the same? | | No | |
| 17 | Cultural heritage site(s) or require excavation near the same? | | No | |
| 18 | Graves, or sacred locations or require excavations near the same? | | No | |
| Tribal Population/Indigenous People | | | | |
| 19 | Does this project involves acquisition of any land belonging to Scheduled Tribes? | | No | |
| Beneficiaries | | | | |
| 20 | Population proposed to be benefitted by the proposed project | Yes | | |
| 21 | No. of Females proposed to be benefitted by the proposed project | | | Not Applicable. |
| 22 | Vulnerable households /population to be benefitted | | | Not Applicable. |
| 23 | No. of BPL Families to be benefitted | | | Not Applicable. |

Date: 04-10-2018

SWD TO THOOTHUKUDI – Phase-I SOCIAL IMPACT ASSESSMENT REPORT (PHASE-I)

SWD TO THOOTHUKUDI – Phase-I SOCIAL IMPACT ASSESSMENT REPORT (PHASE-I)

Name : Dr.Alby John Varghese,I.A.S.,


Signature and name of the Borrower

Enclosures: Land details for the project sites, location, survey numbers, extent available and required, land use classification, current use of the site, land ownership, alienation/acquisition status, FMB extracts, as required along with a certificate giving availability of sites required for the project by the borrower.

Annexure-3
WUA Consent Letter

தாமிரபரணி வடகால் கோரம்பள்ளம் குளம்
பாசனர் சங்கம் மடை எண்.2.
நீரினை பயன்படுத்துவோர் சங்கம் எண்.60

தலைவர் : **T.அழகுராஜா** செயலாளர் : **P.சேகர்** பொருளாளர் : **S.K.S.கந்தசாமி**
9363377733 **9944457379** **9366702105**
அத்திமரப்பட்டி முள்ளக்காடு முத்தையாபுரம்

நாள் : 11.09.18



பெறுநர்

ஆணையர் அவர்கள்
தாத்துக்குடி

ஐயா.

பொருள்: அத்திமரப்பட்டி சாலை சந்திப்பு சிறுபாலம் முதல் மாநகராட்சி
எல்கை முடியவுள்ள பகுதியில் செல்லும் ஓடை சீரமைக்க
ஆட்சபனை இல்லை என தெரிவித்தல் குறித்து

தாத்துக்குடி மாநகராட்சி மூலம், மழைநீர் வடிகால் திட்டம் I, பணியில்
சிப்பம் ல் மேற்கொள்ள இருக்கும் முள்ளக்காடு ஓடை அமைக்கும் பணியான
அத்திமரப்பட்டி சாலை சந்திப்பு சிறுபாலம் முதல் தாத்துக்குடி-திருச்செந்தூர்
நெடுஞ்சாலை வழியே மாநகராட்சி எல்கை வரை மேற்கொள்ளப்படவுள்ளது என்ற
விவரம் தெரிவிக்கப்பட்ட நிலையில் மேற்படி ஓடை எங்களது அத்திமரப்பட்டி
விவசாயமை நிலங்களுக்குரிய வடிகாலாக சுமார் 100 ஆண்டுகளுக்கு மேல்
எங்களது பயன்பாட்டிலும்,பராமறிப்பில் இருந்து வருகிறது.

மேற்படி ஓடையை தற்போது வெள்ள அபாயத்தை தவிர்க்கும் பொருட்டு
மாநகராட்சியில் மேற்கொள்ள இருக்கும் முள்ளக்காடு ஓடை (அத்திமரப்பட்டி
சந்திப்பு சிறுபாலம் முதல் மாநகராட்சி எல்கை முடிய) சீரமைக்கும் பணியை
மேற்கொள்ள எங்களது விவசாய சங்கத்தில் எவ்வித ஆட்சேபனை இல்லை என
இதன் மூலம் தெரிவித்துக் கொள்கிறேன் மேற்படி ஓடையின் அகலத்தை
குறைக்காத பட்சத்தில் எவ்வித ஆட்சேபனையும் இல்லை என்று
தெரிவித்துக்கொள்கிறோம்.

செயலாளர்

தலைவர்

Draft English Translation

TamirabaraniVadagalKorampallamKulam Irrigation Society Sluice No.2 Water Users Association.

President: Mr.T.Azaguraja, Secretary: Mr.P.Sekar; Treasurer:Mr.S.K.S.Kandasamy

To The Commissioner, Thoothukudi.

**Sub: No Objection for restoration of MullakkaduOdai from Aththimarapatti Road Junction
Minor Bridge till Corporation Boundary -Regarding**

Implementation of Mullakkaduodai drain works under phase-I package -6 from Minor bridge
attAthimarapatti road junction – passing through Thoothukudi -Tiruchendur Highways till corporation
boundary regarding. This mullakkaduodai is used to drain from our agricultural land for more than 100
years under maintenance and used by us. As a flood diversion work proposed to be implemented by
the corporation from the start point -till corporation boundary we have no objection without reducing
the existing width.

Sd Secretary

Sd President

Annexure-4**11 Land owners as private land was involved.**

| Sr. No. | Name of the hamlet& Door No | Name of the Title Holder | Ward No | Survey No |
|----------------|--|---------------------------------|----------------|---|
| 1 | 5/46, Rajiv Ngar | N .Murugan | 59 | KorampallmVillaage-II. S.No.381/9A |
| 2 | 82B/7, Mullukadu North Street | Ganamani | 58 | KorampallmVillaage-II. S.No.396/5A/A |
| 3 | 5/46/67, Rajiv Nagar | Sundhirasingh | 59 | KorampallmVillaage-II. S.No.381/9A/9B/1A/9B/1B/9 B/1C |
| 4 | 5/46/67/1, Rajiv Nagar | Velsamy | 59 | KorampallmVillaage-II. S.No.381/9A/9B/1A/9B/1B/9 B/1C |
| 5 | 5/46/68, Rajiv Nagar | Charles | 59 | KorampallmVillaage-II. S.No.381/9A/9B/1A/9B/1B/9 B/1C |
| 6 | 7/86/B-9, Samy Nagar | Sakthi vel | 58 | KorampallmVillaage-II. S.No.381/9A/9B/1A/9B/1B/9 B/1C |
| 7 | 7/87/B-1A, Samy Nagar | R.Ravi | 58 | KorampallmVillaage-II. S.No.381/9A/9B/1A/9B/1B/9 B/1C |
| 8 | 7/883, Samy Nagar | Veera Micheal | 58 | KorampallmVillaage-II. S.No.381/9A/9B/1A/9B/1B/9 B/1C |
| 9 | Samy Nagar (Vaccant Land) | V. Alageswaran | 58 | KorampallmVillaage-II. S.No.381/9A/9B/1A/9B/1B/9 B/1C |
| 10 | 7/34/J5, Santhosh Nagar | C. RamaKrishnan | 58 | KorampallmVillaage-II. S.No.341/2C |
| 11 | 7/34/J, Santhosh Nagar | M. Mariappan | 58 | KorampallmVillaage-II. S.No.341/2C |