

Resettlement Plan

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IND: Proposed Tamil Nadu Urban Flagship Investment Program (Tranche 2) – Water Supply System in Madurai City

Prepared by Madurai City Municipal Corporation, Government of Tamil Nadu for the Asian Development Bank.

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CURRENCY EQUIVALENTS

(as of 20 June 2019)

Currency Unit	–	Indian rupee (₹)
₹1.00	=	\$0.0144
\$1.00	=	₹69.6025

ABBREVIATIONS

ADB	–	Asian Development Bank
ASO	–	assistant safeguards officer
BPL	–	below poverty line
CMSC	–	construction, management and supervision consultant
EUP	–	enter upon permission
FGD	–	focus group discussion
GIAC	–	governance improvement and awareness consultant
GOTN	–	Government of Tamil Nadu
GRC	–	grievance redress committee
GRM	–	grievance redress mechanism
IPP	–	indigenous peoples plan
MAWS	–	Municipal Administration and Water Supply Department
NOC	–	no objection certificate
PIU	–	program implementation unit
PMU	–	program management unit
PWD	–	Public Works Department
RCC	–	reinforced cement concrete
RFCTLARR	–	Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement
R&R	–	resettlement and rehabilitation
ROW	–	right-of-way
SIA	–	social impact assessment
SPO	–	social project officer
SPS	–	Safeguard Policy Statement
SRSE	–	social and resettlement safeguard expert
WTP	–	water treatment plant
TNUFIP	–	Tamil Nadu Urban Flagship Investment Program
TNUIFSL	–	Tamil Nadu Urban Infrastructure Financial Services Ltd.
TWADB	–	Tamil Nadu Water Supply and Drainage Board
WSS	–	Water supply system
ULB	–	urban local body

WEIGHTS AND MEASURES

km	–	kilometer
m	–	meter
MLD	–	million liters per day
mm	–	millimeter
km ²	–	square kilometers

NOTES

In this report, "\$" refers to United States dollars.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

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EXECUTIVE SUMMARY

Introduction. The Tamil Nadu Urban Flagship Investment Program (TNUFIP) is designed under the multitranche financing facility (MFF) modality of Asian Development Bank (ADB) financing and will primarily focus on improvement of water supply and sewerage services in selected cities of the state. The TNUFIP is envisaged to be structured under three main components: (i) investment in municipal infrastructure namely water supply and sewerage, (ii) municipal reform-based activities, and (iii) technical assistance for design, supervision, program management, reforms, and climate change.

Subproject Scope. Drinking water supply for Madurai city is currently abstracted from three sources: Vaigai dam (115 million liters per day [MLD]), Cauvery river (30 MLD), and Vaigai riverbed (47 MLD). The city has existing water treatment plant (WTP) of capacity 118.6 MLD commissioned in 1995. The current water supply from various sources is assessed at 192 MLD while the total water supply demand including the transmission losses for the intermediate (2034, population-1.92 million) and ultimate (2049, population-2.28 million) year is estimated at 317 MLD and 374 MLD respectively. To meet the demand gap of 125 MLD for the intermediate year 2034, under ADB funded TNUFIP, following subproject components are proposed:

- (i) **Package 1:** (i) Construction of check dam, intake well and head works at Mullai Periyar River at Lower Camp to draw 130 MLD of raw water; and (ii) Laying of 95.74 kilometers (km) of raw water main of 1,100 mm dia. from head works to proposed WTP at Pannaipatty.
- (ii) **Package 2:** Construction of 130 MLD WTP within the premises of existing WTP at Pannaipatty.
- (iii) **Package 3:** (i) Laying of 54.35 km of clear water main of 1,400 mm dia. from proposed WTP at Pannaipatty to Madurai city; (ii) Laying of 10.49 km of main feeder; (iii) Laying of 95 km of feeder main network to various overhead tanks (OHTs); and (iv) Construction of 37 new OHTs; and
- (iv) **Package 4:** Laying of 200 km of new Distribution Network.

Key Findings. Private land of around 1.93 acres (one landowner) is proposed to be obtained for the construction of intake well and head works through negotiated settlement by the Confederation of Indian Industries, which will then donate the site to the corporation. Negotiations are completed with the landowner and land price is finalized in discussion with the landowner while the remaining procedures of payment and land transfer are underway. The remaining proposed facilities such as water treatment plant, overhead tanks etc. will be either accommodated within the existing premises or on government lands owned by Madurai Corporation. At overhead tank sites 32 and 35, permanent impacts are envisaged to 4 structure owners (15 affected persons) due to demolition of one commercial and one residential structure respectively. Raw and clear water mains will be laid along various types of roads belonging to national highways, state highways, district authorities, corporation etc. No permanent or semi-permanent structures will be demolished for laying of raw and clear water mains. To avoid impacts to structures, black top portion of the road will be cut to lay the pipeline. Potential temporary impacts are assessed due to laying of new pipe networks for raw water main, clear water main, feeder main, feeder network and distribution network. These are identified based on surveys of the entire raw water main, clear water main and feeder main alignments, and transect walks and sample surveys for the feeder network and distribution network. A total of 2,510 roadside businesses are anticipated to be temporarily affected due to laying of pipelines.

Recommended Actions. A draft resettlement plan has been prepared for Madurai water supply subproject components. This resettlement plan is in line with the ADB Safeguard Policy Statement

(SPS), 2009 and resettlement framework prepared for TNUFIP. The resettlement budget is estimated at ₹16.99 million which includes land cost, land transfer and registration cost, third party certification cost, structure cost and associated benefits, and temporary income loss for 6–15 days based on the pipe diameter. All the costs related to land acquisition, land transfer, and registration etc. will be borne by the urban local body (ULB). A detailed measurement survey will be conducted in sections ready for implementation, based on detailed design, and the draft resettlement plan updated, based on survey results. The final resettlement plan will also include outcomes of third party certification for the head works site. The independent third party for negotiated settlement and land donation will be appointed by program implementation unit (PIU)/ULB. The final resettlement plan will address gaps in negotiated settlement of land, if any, and provide additional compensation measures, if required. The updated resettlement plan will be reviewed by program management unit (PMU) and submitted to ADB for approval prior to start of construction. In line with the resettlement framework, the resettlement plan has also laid down the structured outline for required institutional and implementation arrangements with schedule, grievance redress mechanism, consultation and disclosure activities, and monitoring and evaluation. A summary of resettlement framework and resettlement plan in local language will be disclosed to representatives of all key stakeholders through a city level stakeholder workshop, and to affected persons during site-specific/local level consultations. A hard copy of summaries will also be made available at ULB offices and full documents will be uploaded at their and ADB websites. Program implementation unit's assistant safeguard officer (PIU ASO) will be responsible for updating and implementation of resettlement plan. Program management unit's social project officer (PMU SPO) is responsible for approval and implementation monitoring of resettlement plans. Governance improvement and awareness consultant (GIAC) will assist in monitoring resettlement plan implementation.

I. SUBPROJECT DESCRIPTION

1. The proposed Tamil Nadu Urban Flagship Investment Program (TNUFIP) is aligned to support in the following: (i) urban infrastructure across the state improved and world class cities focusing on universal access to 24x7 water supply services and sanitation facilities including tertiary treatment of sewage to become engines for economic growth developed;¹(ii) five industrial corridors developed (footnote 1); (iii) quality of life for all, especially the poor and the disadvantaged improved;² (iv) a clean and sustainable environment provided.³ TNUFIP will focus on cities in five priority economic corridors: (i) Chennai–Hosur, (ii) Chennai–Tiruchirapalli, (iii) Coimbatore–Madurai, (iv) Coimbatore–Salem, and (v) Madurai–Thoothukudi. The reform-based component of the program will seek to provide results-based performance incentives to select cities and towns. The program shall also focus on transformative investments in 24x7 water supply, full sanitation coverage smart water management, and urban climate change resilience drawing from the support of various Asian Development Bank (ADB) grant technical assistance. The TNUFIP is envisaged to be structured under three main components: (i) investment in municipal infrastructure namely water supply and sewerage, (ii) municipal reform-based activities, and (iii) technical assistance for design, supervision, program management, reforms, and climate change. TNUFIP will be implemented over an 8-year period beginning in 2018 and will be funded by ADB via its multitranche financing facility (MFF). The impact of the TNUFIP will be improved liveability and resilience in urban areas of economic importance in Tamil Nadu. Tranche 1 of TNUFIP covered underground sewerage system (UGSS) improvements in cities of Tirunelveli, Coimbatore, Trichy, Vellore, Rajapalayam, and Chennai, and water supply system (WSS) improvements in selected areas of Chennai Metropolitan Region. Tranche 2 of TNUFIP will cover underground sewerage system improvements in remaining areas of Vellore and Trichy and additionally cover cities of Ambur and Tiruppur. Tranche 2 will also cover WSS improvements in cities of Coimbatore, Madurai and Tiruppur.

2. As per Census 2011, Madurai Corporation area spreads over 150 square kilometer (km²). comprising around 1.5 million population in 100 municipal wards. Drinking water supply for Madurai City is currently abstracted from three sources: Vaigai Dam (115 MLD), Cauvery River (30 MLD), and Vaigai Riverbed (47 MLD). The main source of water supply to the core city comprising 72 wards is from Vaigai Dam which is filled up from Mullai Periyar Dam. The existing piped water supply network covers around 59% of the households. The remaining peripheral added areas that comprise 3 municipalities, 3 town panchayats, and 11 rural panchayats are served from various other surface and ground water sources. The city also has existing water treatment plant (WTP) of capacity 118.6 MLD commissioned in 1995. The current water supply from various sources is assessed at 192 MLD while the total water supply demand including the transmission losses for the intermediate (2034, population-1.92 million) and ultimate (2049, population-2.28 million) year is estimated at 317 MLD and 374 MLD respectively. To meet the demand gap of 125 MLD for the intermediate year 2034, under ADB funded TNUFIP, the following components are proposed under Madurai Water Supply System Subproject:

- (i) **Package 1:** (i) Construction of check dam, intake well, and head works at Mullai Periyar River at Lower Camp to draw 130 MLD of raw water; and (ii) Laying of 95.74 km of raw water main of 1,100 mm dia. from head works to proposed WTP at Pannaipatty.

¹ Government of Tamil Nadu. 2012 [Vision 2023](#). Chennai.

² Government of India. 2015. [Mission Statement and Guidelines, Atal Mission for Rejuvenation and Urban Transformation \(AMRUT\)](#). New Delhi.

³ Government of India. 2015. [Smart Cities - Mission Statement and Guidelines](#). New Delhi.

- (ii) **Package 2:** Construction of 130 MLD new WTP within the premises of existing WTP at Pannaipatty.
- (iii) **Package 3:** (i) Laying of 54.35 km of clear water main of 1,400 mm dia. from proposed WTP at Pannaipatty to Madurai city; (ii) Laying of 10.49 km of main feeder; (iii) Laying of 95 km of feeder main network to various OHTs; and (iv) Construction of 37 new OHTs; and
- (iv) **Package 4:** Laying of 200 km of new distribution network.

3. This draft resettlement plan is prepared for proposed water supply subproject in Madurai under Tranche 2 of ADB financed TNUFIP and is in line with the resettlement framework prepared for the implementation of social safeguards under TNUFIP.

II. SCOPE OF LAND ACQUISITION AND RESETTLEMENT

4. The subproject will not have significant involuntary resettlement impacts as it will not significantly affect 200 or more people either by physical displacement or loss of 10% or more of their productive assets. Consistent with the subproject selection criteria, the proposed subproject avoids/minimizes involuntary resettlement impacts. Construction of proposed head works, overhead tanks (OHTs), WTP will be either accommodated within the existing facilities' premises or on vacant government lands. Private land identified for the construction of head works and intake well at Mullai Periyar River, Lower Camp, is proposed to be obtained through negotiated settlement with third party certification. Permanent impacts (structure loss) are also envisaged for construction of OHT-32 and OHT-35. Temporary income loss⁴ is envisaged for roadside mobile vendors during pipelaying. Package-wise land acquisition and resettlement impacts are presented as under and briefed in Table 1 and Table 2.

5. To minimize construction impacts, wherever possible, work will be executed during early hours of the day in order to avoid inconveniences to the public as well as traders and vendors. All safety norms would strictly be adhered to depending on the magnitude of work and the sensitivity of the location. Appendix 2 provides sample impact minimization measures template to be followed for pipe laying.⁵ The program implementation unit (PIU) will also ensure that all the necessary rules related to safety and security of the public and residents are followed by the contractor. The actual dates of construction schedule with respect to peak business hours, festival time, and special business days will be discussed with vendors, squatters, market committee members, and residents, and accordingly construction activities will be planned. After laying pipes the lane/road will be restored to its original condition (including bitumen, cement concrete and cement concrete interlocking tiles as applicable).

6. In line with ADB Safeguard Policy Statement (SPS) 2009, and based on the identified impacts, the Madurai subproject can be classified as involuntary resettlement category B. resettlement plan preparation is required for Madurai subproject components in line with the ADB SPS, 2009 and resettlement framework prepared for TNUFIP. This document is the draft resettlement plan for Madurai Water Supply System (WSS).

⁴ Temporary disruptions in continuing economic activity for 6-15 days each, are anticipated during laying of pipelines. The duration of impact is expected to vary, depending on the diameter of the pipe. All the temporarily affected persons can continue their businesses at same location once the construction work is completed.

⁵ This will be updated based on the final / revised project scope and detailed drawings before project implementation.

7. The draft resettlement plan will be updated based on detailed measurement surveys that will include full census of affected peoples and an inventory of all lost assets. Finalization, review and concurrence of resettlement plan by ADB is required prior of award of civil contracts.⁶ A 100% census and socioeconomic surveys will be undertaken to register and document the status of affected people within subproject impact area. Any temporary or permanent impacts or costs incurred by affected persons will be identified through the detailed measurement survey (DMS) and compensated at replacement cost, in line with the principles of the resettlement framework.

⁶ Detailed measurement survey will be jointly conducted by safeguards personnel of program implementation unit, consultants and contractors prior to implementation at each site/stretch of alignment. resettlement plan for different sites/stretches will be prepared and submitted to ADB for approval; prior payment of compensation to permanent and/or temporarily impacted persons is mandatory before start of civil work at each site/alignment stretch. PIU, CMSC and contractor will be responsible for conduct of DMS and CMSC based on final detailed design and will update resettlement plan prior to implementation.

Table 1: Summary of Land Acquisition and Resettlement Impacts, Madurai Water Supply System

	Proposed Subprojects	Land Requirement (Acres)			Private Land (Nos.)		Structure Loss-Residential (Nos.)			Structure Loss-Commercial (Nos.)			Temporary Income Loss (Nos.)	
		Govt.	Private	Total	Affected Persons	Vul Affected Persons	Stru.	Affected Persons	Vul Affected Persons	Stru.	Affected Persons	Vul Affected Persons	Affected Persons	Vul Affected Persons
1	Package 1													
i	Head works	-	1.93	1.93	1	1	-	-	-	-	-	-	-	-
ii	Raw water main ^{a/}	-	-	-	-	-	-	-	-	-	-	-	42	22
	Sub Total P-1	-	1.93	1.93	1	1	-	-	-	-	-	-	42	22
2	Package 2													
i	Water treatment plant	5.00	-	5.00	-	-	-	-	-	-	-	-	-	-
	Sub Total P-2	5.00	-	5.00	-	-	-	-	-	-	-	-	-	-
3	Package 3													
i	Clear water main ^{b/}	-	-	-	-	-	-	-	-	-	-	-	23	7
ii	Main feeder ^{c/}	-	-	-	-	-	-	-	-	-	-	-	35	19
ii	Feeder network ^{d/}	-	-	-	-	-	-	-	-	-	-	-	930	517
i	37 overhead tanks	5.16	-	5.16	-	-	1	3	3	3	12	12	-	-
v	Sub Total P-3	5.16	-	5.16	-	-	1	3	3	3	12	12	988	543
4	Package 4													
i	Distribution network ^{e/}	-	-	-	-	-	-	-	-	-	-	-	1,480	789
	Sub Total P-4	-	-	-	-	-	-	-	-	-	-	-	1,480	789
	Grand Total	10.16	1.93	12.09	1	1	1	3	3	3	12	12	2,510	1,354
	Permanent Impacts	-	1.93	-	1	1	1	3	3	3	12	12	-	-
	Temporary Impacts	-	-	-	-	-	-	-	-	-	-	-	2,510	1,354

a/, b/, c/ - Impacts are based on the resettlement survey carried out along the entire alignment

d/, e/ - Impacts are based on sample resettlement survey carried out for three stretches of 500m each in high density, medium density and low density areas.

Source: Resettlement Surveys and Madurai Corporation.

Table 2: Proposed Subproject Components and Land Acquisition and Resettlement Impacts in Madurai Water Supply System

Sl. No.	Proposed Subproject Components	Scope of Land Acquisition and Rehabilitation and Resettlement	Summary
A	Package-1: Abstraction of Water, Transmission of Raw Water		
1	Construction of check dam, intake well and head works	Raw water will be abstracted from Mullai Periyar River at Lower Camp and will require approximately 1.93 acres of private land for the construction of check dam, intake well and head works. The identified land belongs to Mrs. C. Saroja (survey numbers 2400/2a and 2301/1-Patta No. 1544) and is located in Melagudalur South Lower Camp, Uthamapalayam Taluk in Theni district. The land is not under cultivation from many years or have any structures as it frequently gets submerged under water. Private land (1.93 acres) to be obtained through negotiated settlement and donation.	Private land (1.93 acres) to be obtained through negotiated settlement and donation.
2	Laying of 1,100 millimeters (mm) dia of raw water pumping main of 89 kilometers (km) from head works at Mullai Periyar River to proposed water treatment plant (WTP) at Pannaipatty	Raw water main will be laid along various roads (national/state highways, district, corporation roads etc.) within the available right-of-way (ROW). Temporary impacts on movable businesses within ROW are envisaged on 42 affected persons. Permanent impacts on roadside structure/properties will be avoided by cutting the black top portion of the road, if adequate ROW is not available.	Temporary economic impacts to 42 vendors
B	Package-2: Construction of New Water Treatment Plant (WTP)		
1	New WTP of 130 million liters per day (MLD)	Proposed WTP of 130 MLD will be accommodated within the existing WTP premises and there are no land acquisition and involuntary resettlement impacts envisaged. The land identified within the existing municipal premises is free of any encumbrances, legal cases etc. and has been in possession of Madurai Corporation from 1988. (Survey numbers 406/2B1, 407/1, 407/2A1, 408/1A, 408/1B, 409, 410/1A, 410/1B, 411/1A, 411/1B, 412/1, 412/2, 413, 415/1A2, 415/1B, and 415/2A). New WTP will require a total of 5 acres and adequate land is available within the existing premises. A due diligence report (DDR) was prepared for WTP and is attached as Appendix 9.	No involuntary resettlement/ indigenous people impacts anticipated
C	Package-3: Laying of Clear Water Main, Feeder Main, Feeder Network and Construction of OHTs		
1	Laying of 1,1400 mm dia clear water pumping main of 54.44 km. from WTP at Pannaipatty to Madurai city	Clear water main will be laid along various roads under ownership of national/state highways, district, corporation etc. within the available ROW. Temporary impacts on movable businesses within ROW are envisaged on 23 affected persons. Permanent impacts on roadside structure/properties will be avoided by cutting the black top portion of the road, if adequate ROW is not available.	Temporary economic impacts to 23 vendors
2	Laying of Feeder Main of 10.49 km.	Feeder main will be laid along two major roads; bypass road and Kulamangalam road; within the available right-of-way (ROW). Both the roads are under ownership of Madurai Corporation. Temporary impacts on movable businesses within ROW are envisaged on 35 affected persons.	Temporary economic impacts to 35 vendors

Sl. No.	Proposed Subproject Components	Scope of Land Acquisition and Rehabilitation and Resettlement	Summary
3	Laying of Feeder Network of 95 kms. to various overhead tanks (OHTs)	Feeder network will be laid along city roads belonging to Madurai Corporation and within the available ROW. Sample resettlement surveys were conducted in three representative areas (high, medium and low density). Based on the sample survey, temporary impacts on movable businesses within ROW are projected on 930 affected persons.	Temporary economic impacts to 930 vendors
4	Construction of 37 OHTs	<p>A total of 37 new OHTs are proposed at various locations. All the identified sites are under ownership of Madurai Corporation and falls under categories such as old compost yards, lorry stands/parking lots, common lands within residential areas, within premises of existing OHTs/water utilities, parks and playgrounds. Sites for all OHTs (Except OHT 32 and 35) are free of any encumbrances and there are no involuntary resettlement impacts.</p> <p>Construction of OHT-32 and OHT-35 envisages permanent impacts. At OHT-32 site, bus stand cum commercial building needs to be demolished. The bus stand is currently not in use and two shops at this building are given on rent. In the remaining space of bus stand, one person has encroached and running his ironing business. At OHT-35 a small residential structure (semi-pucca) was demolished in anticipation of ADB project. Details of all OHT sites are provided in Appendix 3.</p> <p>In addition to the above, following were reported as OHT site related concerns during consultations. These will be addressed as the part of the EMP, from actual project budget by contractor, or by corporation through their available funds:</p> <ol style="list-style-type: none"> 1. OHT 14 and 15 at TNV Nagar Park: siting of two OHTs as discussed during consultations without disturbing public toilet and already developed park facilities. Proper fencing of OHT area. 2. OHT 19 at Valai Thoppu: Cleaning of the entire site properly as it was used for dumping solid waste (and not just the area required for OHT). Development of park within the remaining area. 3. OHT 25 at Semparuthi Nagar: Development of park within the balance land.. 4. OHT 35: Island Nagar: Leaving 2 m access road from the main road till temple to ensure access. 5. OHT 37 at Poriylar Nagar: Planning of tall trees as a part of buffer zone to ensure park side house have better view of OHT site. 6. OHT 42 at Gurunathar Koil: Locating new OHT adjacent to old OHT and fencing the entire area with proper compound wall to avoid trespassing. 7. OHT 48 at Harveepatii: Proper fencing of OHT premises with pucca compound wall to avoid kids climbing the OHT staircases. 	<p>Permanent impacts on 3 affected persons due to demolition of residential structure within identified OHT-35 land.</p> <p>Permanent impacts on 12 Affected persons due to proposed demolition of bus stop cum commercial complex at identified site of OHT-32.</p>

Sl. No.	Proposed Subproject Components	Scope of Land Acquisition and Rehabilitation and Resettlement	Summary
		Balaji Nagar: Proper fencing of OHT premises and providing common water tap for park. Buffer zones, plantation of trees etc. are covered under EMP budget while construction of compound walls is accommodated in the actual project budget. Development of parks and removal of solid waste to be undertaken by the Corporation.	
D	Package-4: Laying of Distribution Network		
1	Laying of Distribution Network of 200 kms.	Distribution network will be laid along city roads belonging to Madurai Corporation and within the available ROW. Sample resettlement surveys were conducted in three representative areas (high, medium and low density). Based on the sample survey, temporary impacts on movable businesses within ROW are projected on 1,480 affected persons.	Temporary economic impacts to 1,480 vendors

Source: Madurai City Corporation, WSS DPR and site visits.

III. SOCIOECONOMIC INFORMATION AND PROFILE

A. Package 1: Abstraction and Transmission of Raw Water

1. Construction of Check Dam, Intake Well, and Head Works

8. A check dam to head up the river water level up to 2.5 meter (m) is proposed to draw around 130 MLD of raw water from Mullai Periyar River at Lower Camp. This will be constructed in the immediate downstream of 18th Canal Scheme and permission to draw water is obtained from Water Resources Department (WRD) (Appendix 5). Other components proposed at head works include four intake wells, one collection well, protection wall around the site, and a pucca approach road to the head works site. All the proposed sub-components will be constructed within the land that belongs to irrigation department, government of Tamil Nadu. Only around 1.93 acres of land area belongs to private landowner and is proposed to be acquired through negotiated land purchase and land donation.

9. Initially it was proposed to obtain the private land by Madurai Corporation directly from the landowner through negotiated land purchase and various consultations were held with the landowner to fix the land rate and understand concerns. A detailed socio-economic survey was also conducted with the landowner C. Saroja on 15 October 2018. Survey revealed that the proposed land for acquisition falls under survey numbers 2400/2a and 2301/1-Patta No. 1544 and is located in Melagudalur South Lower Camp, Uthamapalayam Taluk in Theni district. The landowner indicated that she has around three acres of land of which only 1.93 acres is proposed for acquisition. The land is in possession of the landowner from more than 35 years and is not under cultivation as gets submerged frequently due to change in river flow. C. Saroja is an elderly (65 years old), widow belonging to other backward class category having a pension (₹13,000 per month) as the only source of income. She has her own individual house within 1 km from the intake site at Lower Camp. C. She has two daughters who are married; one stays at Chennai and another at Tiruppur. Since the land has remained unused and unproductive, its sale is expected to provide greater financial security to the landowner.

10. During various consultations with the Madurai Corporation and project preparatory technical assistance team members, C. Saroja indicated willingness to sell the land for the proposed project. She also agreed to the per acre rate at ₹850,000 totaling to ₹1,640,500 for 1.93 acres and expressed during consultations that she was offered an adequate and fair market price for the land and/or other assets. Later, however it was decided that Confederation of Indian Industries (CII) will acquire the land and hand it over to Madurai Corporation as a donation as the money required was not readily available with the corporation. The landowner willingly agreed to this proposal and CII has already paid ₹100,000 to her on 27 February 2019 as an advance. It was indicated that the remaining amount will be paid within 15 days and the process is underway.⁷ The details of this agreement are provided in Appendix 5. Registration in the name of CII and further land donation from CII to Madurai Corporation is in process⁸. Third Party certification for the negotiated sale and land donation is also in the process.

⁷ Refer Appendix 8 for TOR of independent third party for negotiated purchase or voluntary land donation. The third party shall be a representative of the community (for example, a senior government officer, a leader of the community, a representative of a local NGO/CBO, principal of a local college/university professor), without any direct interest in the negotiation process, who is acceptable to each of the concerned parties (ULB and concerned land owner/donor).

⁸ Negotiation process will follow the basic principles stated in SPS, 2009 that underlines that in case of failure of negotiation, expropriation by use of eminent domain would not occur. In case of failure of negotiation, a different

C. Saroja's son-in-law	C. Saroja-Landowner	C. Saroja's son-in-law
		
Mrs. Saroja's son-in law is helping her to coordinate various activities related to sale of land		

2. Laying of Raw Water Main

11. It is proposed to lay 89 km of raw water main of 1,100 mm dia. from head works to proposed WTP at Pannaipatty. Raw water main will be laid along various types of roads including national highway, state highway, district roads and will cross river, drain/canal crossings at few places in its entire alignment. Details of chainage wise land ownership of raw water main alignment, bypass sections etc. are given in Appendix 5.

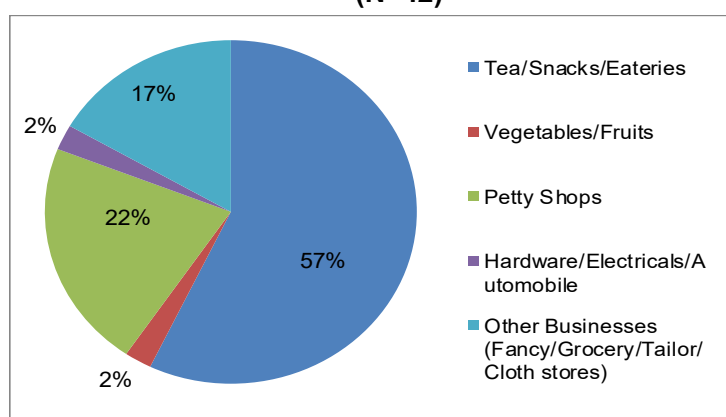
12. Potential temporary resettlement impacts are identified due to laying of raw water main (Table 1). A detailed survey was conducted along the entire length in October 2018 followed by joint inspection visit in December 2018 involving officials from corporation, Tamil Nadu Urban Flagship Investment Program (TNUFIP), etc., to confirm the impacts. Surveys/visits indicated the possibility of permanent and temporary impacts on roadside structures and common property resources due to laying of raw water main. However, follow up meetings with the commissioner, Madurai Corporation confirmed that no permanent/semi-permanent structures (full/part, owned/rented/encroached) will be demolished for laying of raw water main. In alignment stretches where such structures are present, the pipe will be laid by cutting the black top portion of the road (Appendix 5), to avoid impact. If such realignment is not possible, detailed socio-economic survey will be conducted to assess the inventory of losses and associated impacts. This will be carried out before the start of the civil works. The updated draft resettlement plan will be submitted to ADB for approval prior to start of construction work.

13. The business survey carried out in October 2018 identified a total of 42 affected persons whose business will be temporarily affected during raw water pipe laying, as they carry their activities within/very close to right-of-way. These businesses are mainly (57%) tea/snacks/eateries. Of the remaining, close to 22% have petty businesses, 17% have other businesses like grocery shops, tailoring, saloon etc., 2% sell vegetables and fruits, and around 2% have hardware businesses. Since these businesses are mainly along the highways, majority of them do not have mobile structures. Only a small percentage of affected persons (5%) use mobile carts and an additional 5% operate from kiosks that are not on wheels but can be moved. A majority of the businesses (62%) have extended their activities within ROW with temporary

design or a different site can be selected for the project based on technical feasibility, where land is available for sale, where negotiated settlement will be tried again. The socioeconomic status of the land seller will be monitored over the project period to ensure that the same or better income or livelihood status is maintained, in line with Principle 6 of SR II. Consultations with the landowner indicate that he was well informed about the market price of land and satisfied with the final agreed/negotiated price. Third party verification and certification of the overall negotiated settlement process shall be undertaken and included in the updated resettlement plan. Further, meaningful consultations shall be conducted and minuted by the third party, to ensure that all the requirements of ADB SPS SR II pertaining to negotiated settlement are met.

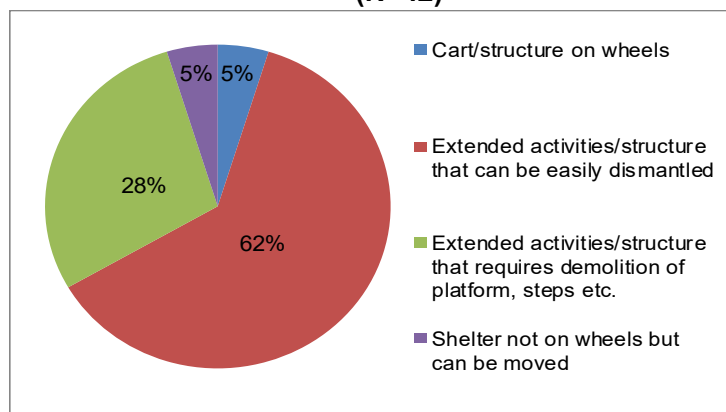
arrangements that can be easily dismantled and reconstructed again. Around 28% have extended their structures that will require demolition (such as steps, small platforms etc.) during construction. Demolition of these minor extensions will not affect the main structure, and access to the main structure will be ensured by the contractor. An indicative budget is provided in the resettlement plan for restoration of the affected minor structures. The updated resettlement plan will include the estimated amount required for restoration of each minor structure that will be paid to affected persons as a part of their total compensation package and will be based on the actual estimated cost of affected extension. Affected people can continue their businesses at their original place once the construction work is completed and loss of income for the period of disruption will be compensated in line with the resettlement framework.

**Figure 1: Type of Business
(N=42)**



Source: Business survey; Raw water main survey, October 2018.

**Figure 2: Type of Structure
(N=42)**

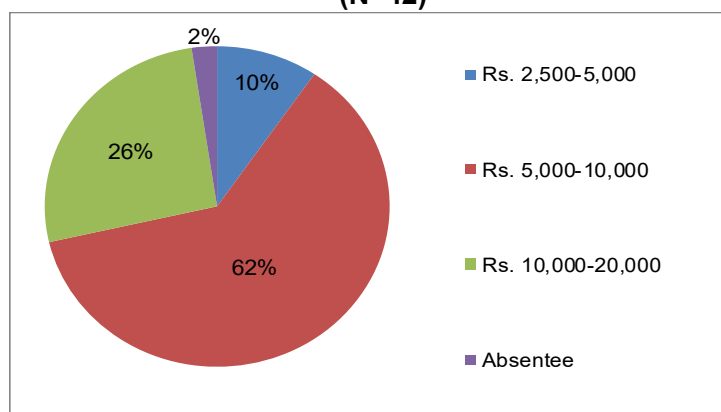


Source: Business survey; Raw water main survey, October 2018.

14. A majority of the affected structures (90%) are non-titleholders. Close to 83% structures are operated by owners while others are given on rent. About 40% of the affected persons indicated that they have been conducting their business at the present location for more than 10 years. An additional 24% indicated that they have been present at the same location for more than five years while the remaining 33% said they had moved to their respective places in the last 1-5 years.

15. In terms of the socioeconomic profile, around 10% of the potentially affected persons earn monthly income between ₹2,500–₹5,000. An additional 62% earn between ₹5,000–₹10,000 while around 26% earn income between ₹10,000–₹20,000. Average monthly income works out to ₹9,683 with minimum ₹4,000 and maximum ₹20,000.⁹ Considering work week of 6 days (26 days per month), average daily income is estimated at ₹173 for the four below poverty line (BPL) affected persons and ₹372 for all affected persons. The overall average is lower than the notified minimum wage rate for unskilled category, at ₹643 for all corporations in the state. A total of 93% of the affected persons are the single breadwinners in their respective families.

**Figure 3: Monthly Household Income
(N=42)**



Source: Business survey; Raw water main survey, October 2018.

16. Among all business owners, 33% were found to be elderly while the remaining were between 27–60 years of age. Only 2% are educated up to graduation level while among the remaining, 45% were illiterate, 5% had basic reading knowledge, 12% had completed primary level (4th grade), 31% had studied up to 10th grade, while 3% had completed higher secondary schooling. Of the temporarily affected persons, around 19% affected persons belong to scheduled caste category while the remaining belong to other backward classes (OBC). No scheduled tribes were identified among the temporarily affected persons during resettlement surveys. Around 14% of the affected person households have a woman as sole earner or chief breadwinner. Total vulnerable affected persons comprise 52% of the total surveyed affected persons and comprise below the poverty line, elderly (age above 60), scheduled castes and women headed households. Appendix 1 provides summary of survey.

B. Package 2: Construction of New Water Treatment Plant

17. In February 2019, a due diligence report (DDR) was separately prepared for the proposed WTP based on the detail design report prepared by the Madurai Corporation. The DDR was approved by ADB and this section comprise key sections from the approved DDR, presented as Appendix 9 to this resettlement plan.

⁹ As per data published by the Planning Commission, Government of India, in 2011-2012, poverty line in urban Tamil Nadu was ₹993 per capita per month. On adjusting for inflation, this works out to ₹1,406 per capita per month in 2017-2018 or a monthly household income of ₹5,540 for BPL households, considering the average urban household size in the state per Census 2011. Hence, a majority of the identified potentially temporarily impacted persons are estimated below poverty line, based on limited data available.

18. The proposed WTP will be constructed within existing WTP premises at Pannaipatti village located approximately 60 km from the city. The total land extent of 21.5 acres was acquired by the Madurai Corporation in 1988 from private landowners and existing WTP of 118.6 MLD was commissioned in 1995. As per the land records (Appendix 6), the land is under survey numbers 406/2B1, 407/1, 407/2A1, 408/1A, 408/1B, 409, 410/1A, 410/1B, 411/1A, 411/1B, 412/1, 412/2, 413, 415/1A2, 415/1B, and 415/2A. From 1988, the land is under possession of Madurai Corporation (refer encumbrance certificate) and there are no pending litigation cases for the land. Along with the encumbrance certificate, Madurai Corporation has also issued a certificate which indicates that the proposed land is under possession of Madurai Corporation and there are no legal issues. The existing WTP occupies around 9.50 acres of land which includes WTP facilities in addition to laboratory, office complex and staff quarters. An additional 5 acres will be required for construction of proposed WTP while balance 7 acres will still be available for further expansion. The required land for proposed WTP is available within the premises and is currently covered with plantations/fruit trees like mango which are planted by municipal corporation itself. The site is not used as a grazing ground for household cattle or a place to collect firewood or fodder, hence no livelihood impacts are assessed. The existing premises are well protected from all sides with permanent compound wall. The site is surrounded by agricultural lands on all sides while the Periyar main irrigation canal runs along the south-east side. There are no habitations in the immediate surroundings of the WTP site.



19. Proposed WTP of 130 MLD will be accommodated within the existing WTP premises and no land acquisition and involuntary resettlement impacts are envisaged. The land identified within the existing municipal premises is free of any encumbrances, legal cases etc. and has been in possession of Madurai Corporation from 1988. The site has proper road access and there is adequate buffer space in the surrounding area to accommodate construction related activities. No impacts are envisaged on the surrounding lands/canal due to construction and operation and maintenance activities.

C. Package 3: Laying of Clear Water Main, Feeder Main, Feeder Network, and Construction of Overhead Tanks

1. Laying of Clear Water Main

20. It is proposed to lay 54.44 km of clear water main of 1,400 mm dia. from proposed WTP at Pannaipatty to Madurai City. Clear water main will be laid along various types of roads including national highway, state highway, district roads and will cross river, drain/canal, railway crossings at few places in its entire alignment. Details of chainage wise land ownership of clear water main is given in Appendix 5.

21. Potential temporary resettlement impacts are identified due to laying of clear water main (Table 1). A detailed survey was conducted along the entire length in October 2018 followed by

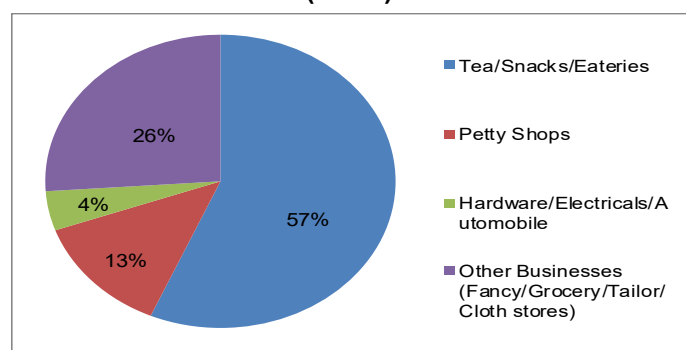
joint inspection visit in December 2018 involving officials from corporation, TNUIFSL etc. to confirm the impacts. Field visits indicated the possibility of permanent and temporary impacts on roadside structures and common property resources due to laying of clear water main. However, follow up meetings with the commissioner, Madurai Corporation confirmed that no permanent/semi-permanent structures (full/part, owned/rented/encroached) will be demolished for laying of clear water main. Where such impacts are likely, the pipe will be laid by cutting the black top portion of the road (Appendix 5). If such realignment is not possible, detailed socio-economic survey will be conducted to assess the inventory of losses and associated impacts. This will be carried out before the start of the civil works and the draft resettlement plan will be updated accordingly.

22. Survey conducted in October 2018 identified a total of 23 affected persons whose business will be temporarily affected during clear water pipe laying, as they carry out their activities within/very close to ROW. These businesses are mainly (57%) tea/snacks/eateries. Of the remaining, close to 13% have petty businesses, 26% have other businesses like grocery shops, tailoring, saloon etc., and around 4% have hardware businesses. None of the affected structures are mobile structures. A majority of the businesses (61%) have extended their activities within ROW with temporary arrangements that can be easily dismantled and reconstructed again while the remaining 39% have extended their structures that will require demolition (such as steps, small platforms etc.). Demolition of these smaller extensions will not affect the main structure, and access to the primary/main structure will be ensured by the contractor. An indicative budget is provided in this draft resettlement plan for restoration, which will be paid to affected persons facing loss of minor extensions. The compensation package in the updated resettlement plan for each such affected person will be based on estimation of on the actual estimated cost of the affected extension, based on the detailed measurement survey. Affected people can continue their businesses at their original place once the construction work is completed and loss of income for the period of disruption will be compensated in line with the resettlement framework.

23. A majority of the affected structures (74%) are non-titleholders. A close to 83% structures are operated by owners while others are given on rent. A close to 52% of the affected persons indicated that they have been conducting their business at the present location for more than 10 years. An additional 13% indicated that they have been present at a fixed location for more than five years while the remaining 35% said they had moved to their respective places in the last 1-5 years.

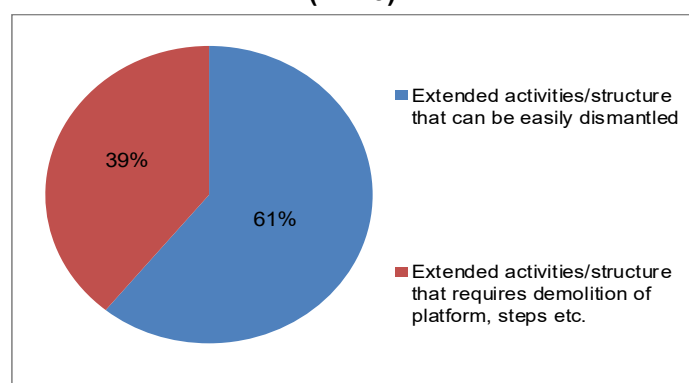
24. In terms of the socioeconomic profile, around 13% of the potentially affected persons earn monthly income less than ₹5,000. An additional 26% earn between ₹5,000–₹10,000 while around 61% earn income between ₹10,000–₹20,000. Average monthly income works out to ₹9,683 with minimum ₹4,000 and maximum ₹20,000. Considering work week of six days (26 days per month), average daily income is estimated at ₹115 for the BPL affected persons and ₹487 for all affected persons. The overall average is lower than the notified minimum wage rate for unskilled category, at ₹643 for all corporations in the state. A total of 83% of the affected persons are the single breadwinners in their respective families.

**Figure 4: Type of Business
(N=23)**



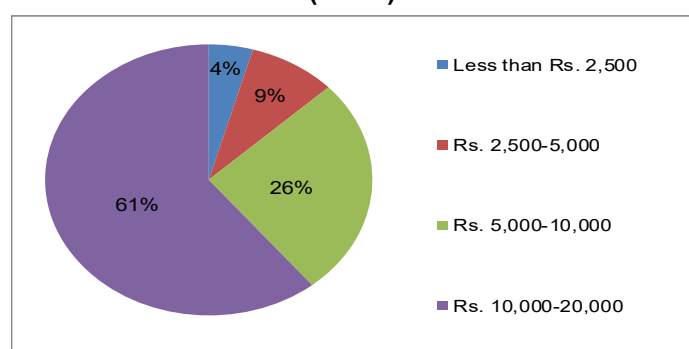
Source: Business survey; Clear water main survey, October 2018.

**Figure 5: Types of Structures
(N=23)**



Source: Business survey; Clear water main survey, October 2018.

**Figure 6: Monthly Household Income
(N=23)**



Source: Business survey; Clear water main survey, October 2018.

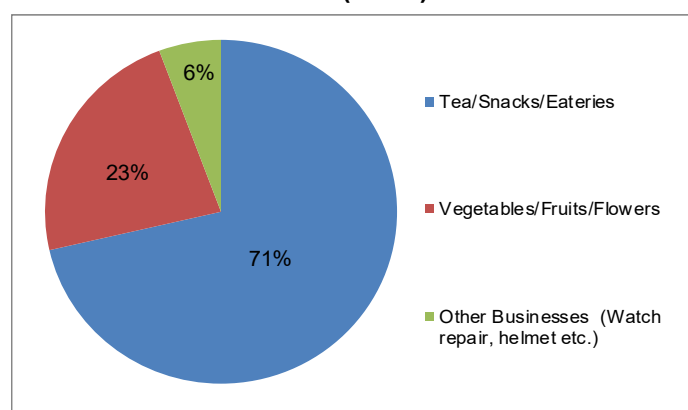
25. Among all business owners, 9% were found to be elderly while the remaining were between 27–60 years of age. Only 4% are educated up to graduation level while among the remaining, 5% were illiterate, 4% had basic reading knowledge, 18% had completed primary level (4th grade), 65% had studied up to 10th grade, while 4% had completed higher secondary schooling. Of the temporarily affected persons, around 4% affected persons belong to scheduled caste category while the remaining belong to OBC. No scheduled tribes were identified among the temporarily affected persons during resettlement surveys. Around 4% of the affected person

households have a woman as sole earner or chief breadwinner. Total vulnerable affected persons comprise 35% of the total surveyed affected persons and comprise below poverty line, elderly (age above 60), scheduled castes and women headed households. Appendix 1 provides a summary of the survey.

2. Laying of Feeder Main

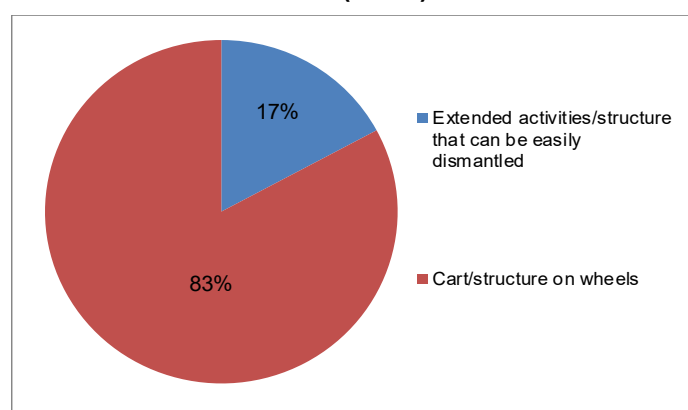
26. A total of 10.49 km of main feeder pipeline will be laid along two major roads; bypass and Kulamangalam main roads. A detailed survey was conducted along the entire length in February 2019 to identify potential temporary resettlement impacts due to laying of feeder main. Survey identified a total of 35 affected persons whose business will be temporarily affected during clear water pipe laying, as they carry their activities within/very close to ROW. These businesses are mainly (71%) tea/snacks/eateries. Of the remaining, close to 23% sell vegetables, fruits, flowers etc. and the others (6%) have petty businesses. A majority of the businesses (83%) are movable (cart on wheels) while the remaining 17% have extended their activities within ROW with temporary arrangements that can be easily dismantled and reconstructed again. Affected people can continue their businesses at their original place once the construction work is completed and loss of income for the period of disruption will be compensated in line with the resettlement framework.

**Figure 7: Type of Business
(N=35)**



Source: Business survey; Feeder Main survey, February 2019.

**Figure 8: Type of Structure
(N=35)**

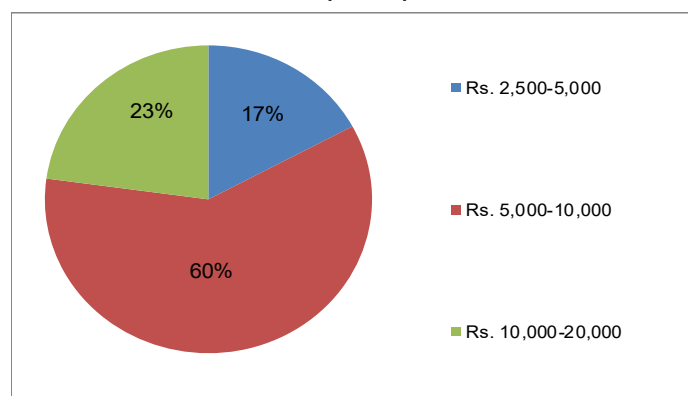


Source: Business survey; Feeder Main survey, February 2019.

27. All the affected businesses are non-titleholders and are operated by owners. Close to 31% of the affected persons indicated that they have been conducting their business at the present location for more than 10 years. An additional 20% indicated that they have been present at a fixed location for more than five years while the remaining 49% said they had moved to their respective places in the last 1–5 years.

28. In terms of the socioeconomic profile, around 17% of the potentially affected persons earn monthly income less than ₹5,000. An additional 60% earn between ₹5,000–₹10,000 while around 23% earn income between ₹10,000–₹20,000. Average monthly income works out to ₹8,171 with minimum ₹4,000 and maximum ₹15,000.¹⁰ Considering work week of six days (26 days per month), average daily income is estimated at ₹115 for the four BPL affected persons and ₹314 for all affected persons. The overall average is lower than the notified minimum wage rate for unskilled category, at ₹643 for all corporations in the state. A total of 46% of the affected persons are the single breadwinners in their respective families.

**Figure 9: Monthly Household Income
(N=35)**



Source: Business survey; Feeder Main survey, February 2019.

29. Among all business owners, 14% were found to be elderly while the remaining were between 22–60 years of age. Only 6% are educated up to graduation level while among the remaining, 37% were illiterate, 9% had basic reading knowledge, 14% had completed primary level (4th grade), 29% had studied up to 10th grade, while 6% had completed higher secondary schooling. Of the temporarily affected persons, around 34% affected persons belong to scheduled caste category while the remaining belong to OBC. No scheduled tribes were identified among the temporarily affected persons during resettlement surveys. Around 11% of the affected person households have a woman as sole earner or chief breadwinner. Total vulnerable affected persons comprise 54% of the total surveyed affected persons and comprise below the poverty line, elderly (age above 60), scheduled castes and women headed households. Appendix 1 provides summary of survey.

¹⁰ As per data published by the Planning Commission, Government of India, in 2011-2012, poverty line in urban Tamil Nadu was ₹993 per capita per month. On adjusting for inflation, this works out to ₹1,406 per capita per month in 2017-18 or a monthly household income of ₹5,540 for BPL households, considering the average urban household size in the state per Census 2011. Hence, a majority of the identified potentially temporarily impacted persons are estimated below poverty line, based on limited data available.

3. Laying of Feeder Network to Various Overhead Tanks

30. A total of 95 km of feeder network is proposed to carry clear water to proposed 37 OHTs. To identify potentially affected persons, a sample survey was carried out in May 2019 at three representative stretches of 500 m each in high density, medium density, and low-density areas. The survey identified a total of 18 affected persons in representative areas whose business will be temporarily affected during pipe laying, as they carry their activities within/very close to ROW. Based on the total proposed feeder network of 95 km, total number of affected persons are projected at 930. Refer Appendix 4 for the methodology for estimation of temporary impacts.

Table 3: Feeder Network Resettlement Survey

Area/Street	Sample Survey	Affected Persons Identified	Total Proposed	Projected Affected Persons
	Km	Nos.	Km	Nos.
High Density ^a	0.50	11	19	418
Medium Density ^b	0.50	3	48	288
Low Density ^c	0.50	4	28	224
Total	1.50	18	95	930

Note: The estimated temporary impacts based on sample surveys and projections in the draft resettlement plan would be replaced by actual figures based on detailed measurement survey and detailed design, and the resettlement budget adjusted accordingly, in the updated resettlement plan. Based on discussions with project preparation engineers, routing of pipelines through high density areas will be avoided as far as possible during detailed design.

^a Jaihindpuram Main Road

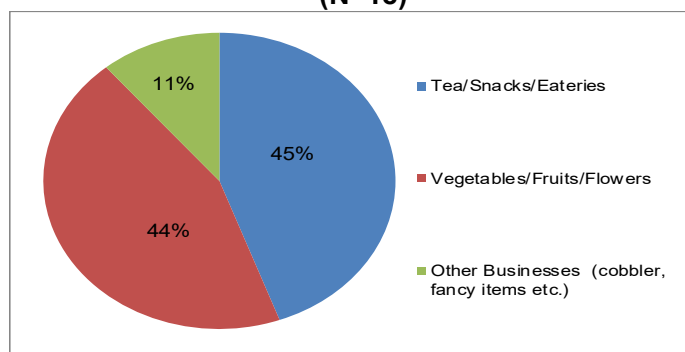
^b Anna Nagar 2nd Main Road, SMP Colony

^c Balaji Nagar Main Road.

Source: Transect walk and Sample Surveys of Feeder Network, May 2019.

31. The businesses of potentially affected persons are mainly (45%) tea/snacks/eateries. Of the remaining, close to 44% sell vegetables, fruits, flowers etc. and the others (11%) have petty businesses. Around 50% of the businesses are movable (cart on wheels) while the remaining 50% have extended their activities within ROW with temporary arrangements that can be easily dismantled and reconstructed again. Affected people can continue their businesses at their original place once the construction work is completed and loss of income for the period of disruption will be compensated in line with the resettlement framework.

Figure 10: Type of Business (N=18)

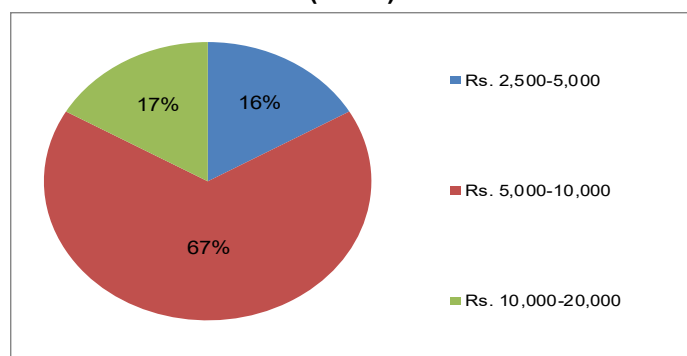


Source: Business survey, transect walk, and Sample Surveys of Feeder Network, May 2019.

32. All the affected businesses are non-titleholders and are operated by owners. A close to 44% of the affected persons indicated that they have been conducting their business at the present location for more than 10 years. An additional 28% indicated that they have been present at a fixed location for more than five years while the remaining 28% said they had moved to their respective places in the last 1–5 years.

33. In terms of the socioeconomic profile, around 17% of the potentially affected persons earn monthly income less than ₹5,000. An additional 67% earn between ₹5,000–₹10,000 while around 16% earn income between ₹10,000–₹20,000. Average monthly income works out to ₹8,111 with minimum ₹3,000 and maximum ₹18,000.¹¹ Considering work week of 6 days (26 days per month), average daily income is estimated at ₹115 for the four BPL affected persons and ₹312 for all affected persons. The overall average is lower than the notified minimum wage rate for unskilled category, at ₹643 for all corporations in the state. A total of 44% of the affected persons are the single breadwinners in their respective families.

Figure 11: Monthly Household Income (N=18)



Source: Business survey, transect walk, and Sample Surveys of Feeder Network, May 2019.

34. Among all business owners, 39% were found to be elderly while the remaining were between 29–60 years of age. Among all affected persons, 50% were illiterate, 22% had completed primary level (4th grade) while 28% had studied up to 10th grade. Of the temporarily affected persons, around 22% affected persons belong to scheduled caste category while the remaining belong to OBC. No scheduled tribes were identified among the temporarily affected persons during resettlement surveys. Around 11% of the affected person households have a woman as sole earner or chief breadwinner. Total vulnerable affected persons comprise 62% of the total surveyed affected persons and comprise below the poverty line, elderly (age above 60), scheduled castes and women headed households. Appendix 1 provides summary of survey.

4. Construction of 37 New Overhead Tanks

35. A total of 37 OHTs are proposed at various locations (Appendix 3). All the identified sites are under ownership of Madurai Corporation and fall under categories such as old compost yards, lorry stands/parking lots, common lands within residential areas, within premises of existing OHTs/water utilities, parks and playgrounds. Sites for all OHTs (Except OHT 32 and 35) are free

¹¹ As per data published by the Planning Commission, Government of India, in 2011-2012, poverty line in urban Tamil Nadu was ₹993 per capita per month. On adjusting for inflation, this works out to ₹1,406 per capita per month in 2017-2018 or a monthly household income of ₹5,540 for BPL households, considering the average urban household size in the state per Census 2011. Hence, a majority of the identified potentially temporarily impacted persons are estimated below poverty line, based on limited data available.

of any encumbrances and there are no involuntary resettlement impacts. Consultations were conducted on 13, 14, and 15 February 2019 at critical sites where public opposition was possible. Details of consultations are included in Appendix 3 which focused on resolving site related issues and proper siting of facility within the identified site so as not to disturb the adjoining activities. Construction of OHT-32 and OHT-35 envisages permanent impacts. At OHT-32 site, municipal bus stand cum commercial building needs to be demolished. The bus stand is currently not in use and two shops in this building are given on rent. In the remaining space of the bus stand, one person has encroached and is running his ironing business. At OHT-35, a small residential structure (semi-pucca) was found to have been demolished in anticipation of ADB project.




36. **Affected Persons at OHT-32.** A total of three business owners (12 affected persons) are envisaged to suffer permanent impacts due to demolition of bus stop at EB Colony.

- (i) **Arivazhagan P.** He is running his saloon from last six years at identified place, the place was chosen as soon as he shifted to Madurai city. His saloon is well designed, and he has spent close to ₹85,000 for interiors and construction of cement shed in front of the shop. He spends approximately ₹1,000 per month towards electricity bills and other maintenance against earnings of around ₹15,000 per month. Arivazhagan P. is the only earning member in his family of five people. The family belongs to scheduled caste category and the affected business is its only source of income. Though the shop is reportedly on rent, there is no written contract available and no rent is paid to Madurai Corporation.
- (ii) **Palanichamy.** He is running his grocery shop for the past ten years at the identified place, which he chose as soon as he shifted to Madurai city. He has incurred an expense close to ₹100,000 towards various infrastructure, shed etc. till date and spends approximately ₹2,500 per month towards electricity bills and other maintenance. He indicated that his turnover per month is around ₹150,000 of which profit is around ₹15,000–₹20,000. Palanichamy and his wife Premalatha jointly handle this business and it is the only source of income for their family of five people. The family belongs to other backward class category. Though the shop is on rent, there is no written contract available and no rent is paid to Madurai Corporation.
- (iii) **Madasamy P.** From past one year, he has encroached on the open space available on one side of the bus stop with a temporary shed and has placed his moving cart inside. As indicated by him, no expenses are incurred for this arrangement and for maintenance. His wife works intermittently as daily wage labourer, but ironing work is the main source of income for the family. He earns around ₹5,500 per month. The family has only two members and belongs to scheduled caste.



OHT-32, EB Colony Shopping Complex		
Arivazhagan P-Saloon	Palanichamy-Grocery Shop	Madasamy P-Ironing Shop
		
		

37. **Affected Persons at OHT-35.** One non-titleholder (3 affected persons) is likely to suffer permanent impacts due to demolition of residential structure at Island Nagar. The non-titleholder, Thangam A. was given fishing rights (through renewable contract with public works department) at adjacent lake of site identified for OHT-35, Island nagar. Due to pollution of lake and blocking of incoming channels there is no adequate water in the lake and fishing has been stopped for many years. However, Thangam A. continued occupying the government/corporation site near the lake. As indicated by him he is been at this place from 1989 and over the period has constructed a small semi-pucca makeshift house. He had incurred around ₹20,000 for construction of the 200 ft² house. The structure had pucca cement plinth and semi pucca superstructure with thatched roof. The house had basic furniture for living, cooking etc. and affected person had been continuously staying there, even overnight. The residential structure constructed by Thangam A. was demolished 6 months before (December 2019) for clearing the site for construction of OHT-35. Thangam A. has no house of his own and was married twice (the second marriage was after the death of his first wife). He currently stays with his second wife who stays in her father's house. Both Thangam A. and his wife work as daily wage labourers and together earn approximately ₹8,000 per month. They have one dependent daughter and family belongs to scheduled caste category. Thangam A. is also an elderly person.

OHT-35, Island Nagar		
Thangam A	Before demolition	After demolition
		

D. Package 4: Laying of Distribution Network

38. To identify potentially affected persons for proposed 200 km of distribution network, a sample survey was carried out in May 2019 at three representative stretches of 500m each in high density, medium density and low-density areas. The survey identified a total of 15 affected persons in representative areas whose business will be temporarily affected during pipe laying, as they carry their activities within/very close to ROW. Based on the total proposed distribution network of 200 km, the total number of affected persons is projected at 1,480. Refer Appendix 4 for the methodology for estimation of temporary impacts.

Table 4: Distribution Network Resettlement Survey

	Sample Survey	Affected Persons Identified	Total Proposed	Projected Affected Persons
Area/Street	Km	Nos.	Km	Nos.
High Density ^a	0.50	8	20	320
Medium Density ^b	0.50	6	80	960
Low Density ^c	0.50	1	100	200
Total	1.50	15	200	1,480

Note: The estimated temporary impacts based on sample surveys and projections in the draft resettlement plan would be replaced by actual figures based on detailed measurement survey and detailed design, and the resettlement budget adjusted accordingly, in the updated resettlement plan. Based on discussions with project preparation engineers, routing of pipelines through high density areas will be avoided as far as possible during detailed design.

^a Munichalai Road.

^b Jai Nagar Main Road, SMP Colony.

^c Kenneth Cross Road.

Source: Transect walk and Sample Surveys of Distribution Network, May 2019., May 2019.

39. The businesses of potentially affected persons are mainly (60%) tea/snacks/eateries, while the remaining 40% sell vegetables, fruits etc. Around 47% of the businesses are movable (cart on wheels) while the remaining 53% have extended their activities within ROW with temporary arrangements that can be easily dismantled and reconstructed again. Affected people can continue their businesses at their original place once the construction work is completed and loss of income for the period of disruption will be compensated in line with the resettlement framework.

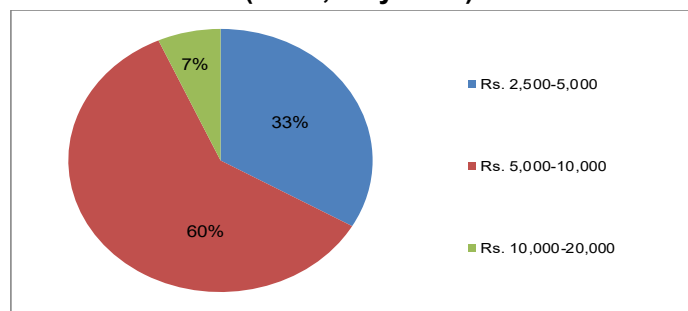
40. All the affected businesses are non-titleholders and are operated by owners. Close to 60% of the affected persons indicated that they have been conducting their business at the present location for more than 10 years. An additional 27% indicated that they have been present at a fixed location for more than five years while the remaining 13% said they had moved to their respective places in the last 1–5 years.

41. In terms of the socioeconomic profile, around 33% of the potentially affected persons earn monthly income less than ₹5,000. An additional 60% earn between ₹5,000–₹10,000 while around 7% earn income between ₹10,000–₹20,000. Average monthly income works out to ₹6,533 with minimum ₹3,000 and maximum ₹15,000.¹² Considering work week of six days (26 days per month), average daily income is estimated at ₹115 for the four BPL affected persons and ₹251

¹² As per data published by the Planning Commission, Government of India, in 2011-2012, poverty line in urban Tamil Nadu was ₹993 per capita per month. On adjusting for inflation, this works out to ₹1,406 per capita per month in 2017-2018 or a monthly household income of ₹5,540 for BPL households, considering the average urban household size in the state per Census 2011. Hence, a majority of the identified potentially temporarily impacted persons are estimated below poverty line, based on limited data available.

for all affected persons. The overall average is lower than the notified minimum wage rate for unskilled category, at ₹643 for all corporations in the state. A total of 73% of the affected persons are the single breadwinners in their respective families.

**Figure 12: Monthly Household Income
(N=15, May 2019)**



Source: Business survey, transect walk, and sample surveys of distribution network, May 2019.

42. Among all business owners, 53% were found to be elderly while the remaining were between 27–60 years of age. Among all affected persons, 33% were illiterate, 40% had completed primary level (4th grade), 20% had studied up to 10th grade while 7% had studied up to 12th grade. Of the temporarily affected persons, around 33% affected persons belong to scheduled caste category while the remaining belong to OBC. No scheduled tribes were identified among the temporarily affected persons during resettlement surveys. Around 7% of the affected person households have a woman as sole earner or chief breadwinner. Total vulnerable affected persons comprise 59% of the total surveyed affected persons and comprise below the poverty line, elderly (age above 60), scheduled castes and women headed households. Appendix 1 provides summary of survey. Appendix 4 further discusses estimation of temporary impacts.

IV. INFORMATION DISCLOSURE, CONSULTATION, AND PARTICIPATION

43. Consultation with the primary and secondary stakeholders is an important tool for successful preparation and implementation of resettlement plan. The key stakeholders consulted during sub-project preparation, resettlement plan preparation and implementation, and program implementation include:

- (i) Heads and members of households likely to be affected;
- (ii) program beneficiaries, groups/ clusters of affected persons;
- (iii) Local voluntary organizations and community-based organizations (CBOs);
- (iv) Government agencies and departments; and
- (v) Major project stakeholders, such as women, trader's associations, CBOs, etc.

44. Types of consultations during PPTA stage are presented in Table 5.

- (i) Consultations with potentially affected persons were conducted during transect walks. The concerns expressed mainly included traffic disruptions and temporary impacts on livelihood, including duration of impact (Appendix 3). It was informed to surveyed potential affected persons that appropriate measures will be undertaken during construction to minimize impacts. (including scheduling of activities during the early morning and reducing construction activities during the rush hour). It was also informed that, if despite mitigation measures, there were any temporary impacts on livelihood; these would be compensated in accordance with the resettlement framework policy provisions.

- (ii) Meetings were conducted with owner of the private land (C. Saroja) proposed for acquisition for head works. The meetings mainly focused on arriving appropriate price for the land and inform landowner on procedures followed for negotiated land acquisition and land donation. The landowner through various meetings has agreed to the final negotiated rate and is willing to sell the land through negotiated land purchase to Confederation of Indian Industries (CII) who will later donate the land to Madurai Corporation.
- (iii) Additional consultations were conducted on 13, 14 and 15 February 2019 at critical sites¹³ where public opposition was possible. Details of consultations are included in Appendix 3 which focused on resolving site related issues and proper siting of facility within the identified site so as not to disturb the adjoining activities. During consultations, it was informed to affected persons at OHT-32 and OHT-35 sites, where permanent impacts are envisaged, that the losses will be compensated in line with this resettlement plan and TNUFIP Resettlement framework.
- (iv) Consultations with potentially affected persons were conducted during transect walks. The concerns expressed mainly included temporary impacts on livelihood, including duration of impact. It was informed to surveyed potential affected persons that appropriate measures will be undertaken during construction to minimize impacts. (Including scheduling of activities during the early morning and reducing construction activities during the rush hour). It was also informed that, if despite mitigation measures, there were any temporary impacts on livelihood; these would be compensated in accordance with the resettlement plan's entitlement matrix.

45. Further consultations will also include focus group discussions (FGDs) and structured census surveys parallel to detailed measurement survey in sections ready for implementation before the project implementation. These will be carried out by the construction management and supervision consultant's (CMSC) social and resettlement safeguard expert (SRSE), who will work closely with PIU assistant safeguards officer (ASO) and PMU SPO. A city-wide stakeholder consultation involving representatives from all stakeholder groups to brief them about the technical details of project and project implementation cycle; project benefits as well as adverse impacts envisaged during construction; environmental and social safeguards, gender inclusion, community participation aspects built into the project etc. is proposed. Minutes of meeting will be added to the updated resettlement plan.

46. At this PPTA stage disclosure activities include dissemination/distribution of summary of resettlement framework and resettlement plan in local language to key stakeholders including affected persons. The approved resettlement framework/resettlement plan (full documents) will also be disclosed on ADB and local government's websites and will be available in key local/ state government offices. During the subproject implementation, construction schedules will be informed to all residents (including affected persons) prior to the commencement of pipe laying through signboards. The signboards will be in local language and will include at minimum: (i) section to be affected, (ii) start and end dates, (iii) information on traffic rerouting if any, and (iv) contact information for questions/grievances.

Table 5: Consultation and Disclosure Activities during Project Preparatory and Technical Assistance Stage

Activities	Details	Responsible Agency
Preliminary awareness about the project activities	City visits and series of meetings with key stakeholders (ULB, and other officials)	PMU/ PPTA team

¹³ Consultations were conducted at: OHT 14, 15, 19, 21, 23, 25, 32, 34, 35, 37, 41, 42, 47, 48 and 50.

Activities	Details	Responsible Agency
Baseline surveys	Sample household socioeconomic surveys to understand baseline infrastructure situation, problems faced in service delivery, household's willingness to get connected to new systems and willingness to pay. Introduction to project provided to sample households.	PPTA Team
Transect walks and business surveys	Transect walks and screening of project impact area to identify potential affected persons and record their socioeconomic and business profile.	PPTA team
City wide stakeholder consultation	Dissemination of project related technical and other information to representatives of all key stakeholders (at one platform) and disclosure of summary of social safeguard documents in local languages	PMU/ PIU/ PPTA team

PIU = program implementation unit, PMU = program management unit, PPTA = project preparatory technical assistance, ULB = urban local body.

47. Permanently displaced affected persons will be consulted regularly throughout resettlement plan implementation to ensure smooth transition to the new relocation sites. The affected person of OHT-35 will be consulted further to identify compensation as per replacement cost/ market value for the structure without depreciation or alternative house with minimum area as per Government norms. Continued involvement of those affected by the subproject will be ensured. An intensive information dissemination and feedback campaign for affected persons will be conducted by the PIU from the time of resettlement plan preparation to implementation and monitoring. The proceedings of such campaigns shall be documented. All the comments made and concerns raised by the affected persons will be documented in the subproject records and summarized in sub-project monitoring reports.

48. During revised resettlement plan preparation, PIU/ PMU will be responsible for issuing various required public notices. For temporary impacts, the date of census survey will be considered as the cut-off date. Printed information/boards will be provided/erected in project affected area at a common place. Similarly, the list of affected persons will be published at common places with contact details of CMSC/ PIU officials. The list will be put up area-wise and at the same time for the entire city. This will help avoid affected persons moving into other areas and identify any duplication of affected persons. CMSC will facilitate affected persons to approach lists in their area and get confirmation on any duplication, missing/ absent affected persons. For permanently displaced affected persons PIU in coordination with PMU will issue various notices such as for final listing of affected persons, allotment of government housing, demolishing of existing houses/commercial building and shifting to relocation site, schedule of skill training programme etc.

49. Additionally, draft/final resettlement framework/resettlement plan will be made available in ULB/PIU and PMU offices. The resettlement framework and resettlement plan will be disclosed in ADB's website and the ULB/ PMU websites. Further, final resettlement plans will be disclosed in ADB's website, PMU websites, and PIU or ULB websites; and information dissemination, through subproject specific leaflets and public announcements, and consultation will continue throughout program implementation. The project leaflets will be distributed by governance improvement and awareness consultant (GIAC)/CMSC to the affected persons for their information. A sample project information dissemination leaflet is attached in Appendix 6.

V. GRIEVANCE REDRESS MECHANISM

50. A common grievance redress mechanism (GRM) will be in place to redress social, environmental or any other project related grievances. The GRM described below has been developed in consultation with stakeholders. Public awareness campaign will be conducted to ensure that awareness on the project and its grievance redress procedures is generated. The campaign will ensure that the poor, vulnerable and others are made aware of grievance redress procedures and entitlements per project entitlement matrix, and PMU and concerned PIUs will ensure that their grievances are addressed.

51. Affected persons will have the flexibility of conveying grievances/suggestions by dropping grievance redress/suggestion forms in complaints/suggestion boxes or through telephone hotlines at accessible locations, by e-mail, by post, or by writing in complaints register in ULB or PIU or implementing agency offices. PIU safeguards officer will have the responsibility for timely grievance redress on safeguards and gender issues and for registration of grievances, related disclosure, and communication with the aggrieved party.

52. GRM provides an accessible, inclusive, gender-sensitive and culturally appropriate platform for receiving and facilitating resolution of affected persons' grievances related to the project. A two-tier grievance redress mechanism is conceived, one, at project level and another, beyond project level. For the project level GRM, a grievance redress committee (GRC) will be established in PIUs; Safeguards officer and Social and Gender Officer will be responsible for creating awareness among affected communities and help them through the process of grievance redress, recording and registering grievances of non-literate affected persons.

53. GRM aims to provide a time-bound and transparent mechanism to voice and resolve social and environmental concerns linked to the project. All grievances – major or minor, will be registered. Documentation of the name of the complainant, date of receipt of the complaint, address/contact details of the person, location of the problem area, and how the problem was resolved will be undertaken. PIU will also be responsible for follow-through for each grievance, periodic information dissemination to complainants on the status of their grievance and recording their feedback (satisfaction/ dissatisfaction and suggestions).

54. In case of grievances that are immediate and urgent in the perception of the complainant, the contractor, and supervision personnel of the CMSC and PIU will resolve the issue on site, and any issue that is not resolved at this level will be dealt at PIU head level for immediate resolution. Should the PIU fail to resolve any grievance within the stipulated time period, the unresolved grievances will be taken up at ULB level. In the event that certain grievances cannot be resolved even at ULB level, particularly in matters related to land purchase/acquisition, payment of compensation, environmental pollution etc., they will be referred to the district level GRC headed by the District Collector. Any issue which requires higher than district level inter-departmental coordination or grievance redress, will be referred to the state level steering committee.

55. GRC will meet every month (if there are pending, registered grievances), determine the merit of each grievance, and resolve grievances within specified time upon receiving the complaint-failing which the grievance will be addressed by the state-level steering committee. The Steering Committee will resolve escalated/unresolved grievances received.

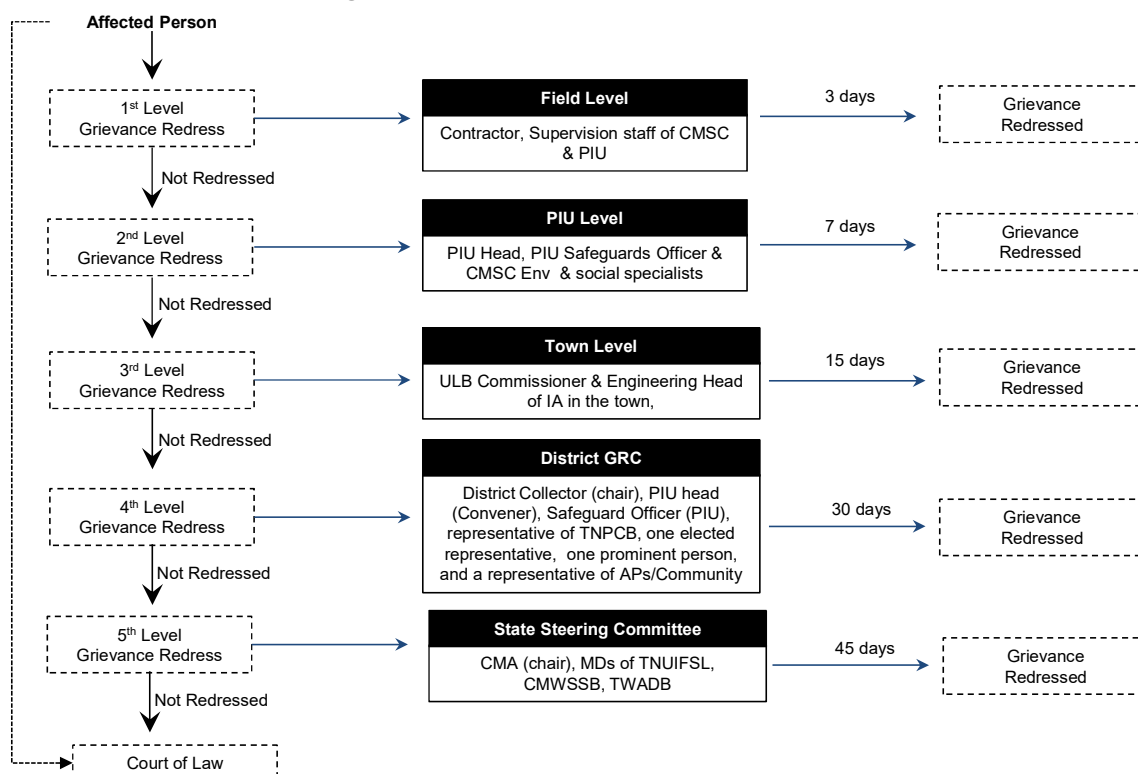
56. **Composition of Grievance Redress Committee.** GRC will be headed by the District Collector, and members include: ULB/ PIU head, Safeguards Officer of PIU, representative of TNPCB, one elected representative/ prominent citizen from the area, and a representative of affected community. GRC must have a women member.

57. **State Level Steering Committee** will include Commissioner of Municipal Administration as chair, member include managing directors of TNUIFSL, Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), TWADB and others as applicable.

58. **Areas of Jurisdiction.** The areas of jurisdiction of the GRC, headed by the District Magistrate will be: (i) all locations or sites within the district where subproject facilities are proposed, or (ii) their areas of influence within the District. The Steering Committee will have jurisdictional authority across the state (i.e., areas of influence of subproject facilities beyond district boundaries, if any).

59. The multi-tier GRM for the project is outlined below (Figure 13), each tier having time-bound schedules and with responsible persons identified to address grievances and seek appropriate persons' advice at each stage, as required. The GRC will continue to function throughout the project duration. The implementing agencies/ ULBs shall issue notifications to establish the respective PIU level grievance redress cells, with details of composition, process of grievance redress to be followed, and time limit for grievance redress at each level.

- (i) **First Level Grievance.** The contractor and CMSC supervision personnel and PIU supervision personnel can immediately resolve issues on-site in consultation with each other and will be required to do so within 3 days of receipt of a complaint/grievance.
- (ii) **Second Level Grievance.** All grievances that cannot be redressed within 3 days at field/ ward level will be brought to the notice of social safeguards officer (SSO) of PIU. PIU will resolve the grievance within 7 days of receipt of compliance/grievance in discussion with the CMSC and the contractor. PIU SSO will be supported by the CMSC SSS at this stage.
- (iii) **Third Level Grievance.** All the grievances that are not addressed by PIU within 7 days of receipt will be brought to the notice of the town level committee (TLC), of which ULB commissioner will be the chairperson, and will be assisted by the concerned city level engineers. TLC will meet twice a month and determine the merit of each grievance brought to the committee. The PIU SSO will be responsible to see through the process of redressal of each grievance. The TLC will resolve the grievance within 15 days of receiving the complaint.
- (iv) **Fourth Level Grievance.** All grievances that are not addressed by the TLC within 15 days, and which require the district collector's intervention, will be escalated to the district level GRC, chaired by the district collector. The district level GRC will have the district collector as chair, PIU head as convenor, and safeguard officers of the PIU, representative of TNPCB, one elected representative, one prominent person/member of the community, and a representative of affected persons/community as members. At least one member of the GRC will be a woman. The GRC will resolve the grievance within 30 days of registration.
- (v) **Fifth Level Grievance.** Any grievance that remains unresolved by the GRC will be escalated to the state level steering committee.

Figure 13: Grievance Redress Process

APs= Affected Persons, CMA= Commisionerate of Municipal Administration, CMWSSB= Chennai Metro Water Supply and Sewerage Board, CMSC= construction management and supervision consultant, IA= implementing agency, MD= managing director, PIU= program implementation unit, PMU= program management unit, TNUIFSL= Tamil Nadu Urban Infrastructure Financial Services Ltd., TWADB= Tamil Nadu Water and Drainage Board.

60. The project GRM notwithstanding, an aggrieved person shall have access to the country's legal system at any stage and accessing the country's legal system can run parallel to accessing the GRM and is not dependent on the negative outcome of the GRM. In case of grievance related to land acquisition, resettlement and rehabilitation,¹⁴ the affected persons will have to approach a legal body/court specially proposed under RFCTLARR, 2013; Land Acquisition, Rehabilitation and Resettlement Authority (LARRA).

61. In the event that the established GRM is not in a position to resolve the issue, the affected person also can use the ADB Accountability Mechanism through directly contacting (in writing) the complaint receiving officer at ADB headquarters or the ADB India Resident Mission. Before submitting a complaint to the Accountability Mechanism, it is necessary that affected persons make a good faith effort to solve the problem by working with the concerned ADB operations department and/or the resident mission. Only after doing that, and if they are still dissatisfied, will the Accountability Mechanism consider the complaint eligible for review. The complaint can be submitted in any of the official languages of ADB's developing member countries. The ADB Accountability Mechanism information will be included in the project-relevant information to be distributed to the affected communities, as part of the project GRM.

¹⁴ The Authority admits grievance only with reference to the land acquisition and R&R issues under the RFCTLARR, 2013.

62. **Recordkeeping.** Records of all grievances received, including contact details of complainant, complaint received date, nature of grievance, agreed corrective actions and the date these were effected and final outcome will be kept by ULB/ PIU (with the support of CMSC) and submitted to PMU.

63. **Information Dissemination Methods of the Grievance Redress Mechanism.** The PIU, assisted by CMSC will be responsible for information dissemination to affected persons and general public in the project area on grievance redress mechanism. Public awareness campaign will be conducted to ensure that awareness on the project and its grievance redress procedures is generated. The campaign will ensure that the poor, vulnerable and others are made aware of grievance redress procedures and entitlements per this resettlement framework including contact details of officials/members of GRC, where/ how to register grievance, various stages of grievance redress process, time likely to be taken for redress of minor and major grievances, etc. Grievances received and responses provided will be documented and reported back to the affected persons. The number of grievances recorded and resolved and the outcomes will be displayed/disclosed in the PIU, offices, ULB notice boards and on the web, as well as reported in the semi-annual environmental and social monitoring reports to be submitted to ADB. A Sample Grievance Registration Form has been attached in Appendix 7.

64. **Periodic Review and Documentation of Lessons Learned.** The PMU will periodically review the functioning of the GRM and record information on the effectiveness of the mechanism, especially on the PIU's ability to prevent and address grievances.

65. **Costs.** All costs involved in resolving the complaints (meetings, consultations, communication and reporting/ information dissemination) will be borne by the respective PIU.

VI. LEGAL FRAMEWORK

66. The policy framework and entitlements for the TNUFIP are based on:

- (i) The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act (RFCTLARR), 2013 and RFCTLARR GOTN Notified Rules, 2017;
- (ii) Environmental and Social Management Framework (ESMF) of TNUIFSL;
- (iii) ADB's Safeguard Policy Statement (SPS), 2009; and
- (iv) The agreed entitlement matrix and resettlement framework.

67. The salient features of government and ADB policies are summarized below. The resettlement principles and procedures to be followed for social safeguards under TNUIFP are detailed out in the resettlement framework document. In case of discrepancy between the policies of ADB and the government, gap-filling measures will be adopted to bridge the discrepancies. Core involuntary resettlement principles for the TNUFIP to be followed for each subproject, including sample subprojects are:

- (i) Screening of the project to identify involuntary resettlement impacts and risks. Minimizing and avoiding land acquisition and resettlement impacts of each subproject by exploring all viable alternative designs;
- (ii) Where unavoidable, time-bound resettlement plans be prepared and affected persons will be assisted in improving or at least regaining their pre-program standard of living
- (iii) Full information and close consultations with affected persons including consultation with affected persons on compensation, disclosure of resettlement information to affected persons, and participation of affected persons in planning and implementing subprojects will be ensured; Disclose a draft resettlement plan,

including documentation of the consultation process in a timely manner to affected persons and other stakeholders. Disclose the final resettlement plan and other documents such as the monitoring reports to affected persons and other stakeholders;

- (iv) Where the resettlement impacts are unavoidable, the displaced persons should be assisted in improving or at least regaining their standard of living;
- (v) Vulnerable groups comprising below poverty line households, including female-headed households, disabled persons, elderly, children, landless, non-titled households with no tenure security, and schedule castes and scheduled tribe households will be given special assistance. Standard of living of vulnerable households will be improved, at least to the minimum national standard;
- (vi) Payment of compensation to affected persons including non-titled persons (e.g., informal dwellers/squatters, and encroachers) for acquired assets at replacement cost;
- (vii) Payment of compensation and resettlement assistance prior to the contractor taking physical acquisition of the land and prior to the commencement of any construction activities. All compensation needs to be paid prior to the physical and/or economic displacement of the affected peoples;
- (viii) Provision of income restoration and rehabilitation; and
- (ix) Establishment of appropriate grievance redress mechanisms.

68. A detailed description of each compensation measure and assistance is provided in the entitlement matrix attached in resettlement framework while a Madurai subproject specific/applicable entitlement matrix is given in Table 6. Affected persons will be entitled to a combination of compensation measures and resettlement assistance, depending on the nature of ownership rights of lost assets and scope of the impact, including social and economic vulnerability of the affected persons.

VII. ENTITLEMENTS, ASSISTANCES, AND BENEFITS

69. All losses (assets, incomes and livelihoods) will be compensated based on the replacement cost principle, in accordance with ADB SPS. The entitlement matrix defines eligibility, compensation and entitlements due against each type of loss.

70. Income restoration schemes will be designed in consultation with affected persons, and skill training will be based on a training needs assessment. The objective of income restoration is to ensure that each affected person will have at least the pre-project level income or improved income after the subproject. As per GOTN's current practice, skill training institutes will be contractually bound for job placement as well. Elderly or physically challenged Affected persons who are unable to undergo training and/or access job placement, will be assisted to access government social welfare programs.

A. Permanent Impacts

71. Permanently affected person at OHT-35, Island Nagar will receive new house in addition to the following benefits in accordance with the TNUFIP resettlement framework (Table 6). In summary, he will be provided with:

- (i) **Compensation Against Loss of House.** (i) Compensation as per replacement cost for the structure without depreciation; (ii) Alternative house with minimum area as per Government norms, to which titles will be granted to the affected persons, five years after relocation. The cost of alternative housing to be provided can be set off against all or part of the compensation payable for the structure lost;

- (iii) One-time Subsistence grant equivalent to 180 days of minimum wages which will be worked out as per the notified minimum wage rates; (iv) One-time financial assistance of ₹10,500/- as transportation cost for shifting of the family, building materials, belongings etc.; and (v) Right to salvage the affected materials.
- (ii) **Vulnerability Assistance.** One adult member of the affected household will be entitled for skill development. Appropriate skill training areas will be identified for any one adult member of affected vulnerable household, in consultation with the APs, to restore and enhance their income levels. Appropriate government programmes will be identified and linked for aged and disable Affected persons, if any. This assistance includes cost of training and financial assistance for travel/conveyance and food; and (ii) additional one-time assistance of ₹5,250. As per current practice of GOTN, the training institute will be responsible for placement of candidates in appropriate jobs. PIU will be responsible for payment to the training institute for the cost of training and for payment of travel/conveyance and food cost to affected persons. Appropriate government programmes will be identified and linked for aged and disabled Affected persons, if any household member is unable to access skill training.

72. Permanently affected persons (non-titleholders) at OHT-32, EB Colony will receive following benefits in accordance with the TNUFIP resettlement framework (Table 6). In summary, they will be provided with:

- (i) **Loss of Commercial Structure:** (i) Compensation as per replacement cost for the structure without depreciation; (ii) One-time subsistence grant equivalent to 180 days of minimum wages which will be worked out as per the notified minimum wage rates; (iii) One-time financial assistance of ₹10,500/- as transportation cost for shifting of the family, building materials, belongings etc.; (iv) One-time assistance of ₹15,750/- toward economic rehabilitation; and (v) Right to salvage the affected materials.
- (ii) **Vulnerability Assistance.** One adult member of the affected household will be entitled for skill development. This assistance includes cost of training and financial assistance for travel/conveyance and food. Appropriate government programmes will be identified and linked for aged and disabled Affected persons, if any.; and (ii) additional one-time assistance of ₹5,250. As per current practice of Government of Tamilnadu, the training institute will be responsible for placement of candidates in appropriate jobs. PIU will be responsible for payment to the training institute for the cost of training and for payment of travel/conveyance and food cost to affected persons. Vulnerability assistance is as per the entitlement matrix of the resettlement framework.

B. Temporary Impacts

73. Potential temporary economic impacts identified for Madurai subproject range from 20–30 days of construction time for each road stretch of about 500 m. Impacts can be further avoided/minimized by taking construction on one side of the road at a time. In such cases temporarily affected persons will be assisted in moving to a nearby location where they can continue with their business activities and returning their temporary structures to the original location after construction is completed. Where moving is not required, access will be ensured by the contractor through measures prescribed in environmental management plan (EMP). During implementation, if a larger number of affected persons are identified at one place (e.g. vegetable market), then an alternate place in the vicinity will also be identified so that they can continue with their livelihood activities.

74. Majority of potentially affected persons have temporary structures that can be shifted to nearby locations if properly informed. Advance notice regarding construction activities, including duration and type of disruption provided to temporarily affected persons once contractor's work plans are finalized, with minimum 7 working days. If required, they will also be assisted to temporarily shift for continued economic activity. For example, they will be assisted to shift to the other side of the road or nearby areas where there is no construction. Ensuring there is no income or access loss during sub-project construction is the responsibility of contractors.

75. If construction activities result in unavoidable livelihood disruption, compensation for lost income based on the net income or as per notified minimum wage rates, whichever is higher will be provided. Vulnerable affected persons will be given priority in project construction employment. Compensation and assistance to temporarily affected persons will be made prior to their shifting from original place of business (if required) and before start of civil works. Since most affected households have moveable stalls, identification cards should be distributed 7 days before compensation. In summary, temporarily affected persons will be provided with:

- (i) Advance notice regarding construction activities, including duration and type of disruption provided to temporarily affected persons once contractor's work plans are finalized, with minimum 7 working days;
- (ii) Contractor's actions to ensure there is no income/ access loss consistent with the initial environmental examination. This includes: leaving spaces for access between mounds of soil, providing walkways and metal sheets to maintain access across trenches for people and vehicles where required, increased workforces to finish work in areas with impacts on access, timing of works to reduce disruption during business hours, phased construction schedule and working one segment at a time and one side of the road at a time;
- (iii) Assistance to mobile vendors/ hawkers to temporarily shift for continued economic activity. For example, assistance to shift to the other side of the road where there is no construction; and
- (iv) For construction activities involving unavoidable livelihood disruption (temporary income loss), compensation for lost income for the period of disruption.

Table 6: Entitlement Matrix¹⁵

No.	Impact Category	Entitlements	Explanations
Impacts to Non-title holders (Squatters, encroachers, tenants, leaseholders)^a			
A	Loss of House:	<ol style="list-style-type: none"> 1. Compensation as per replacement cost¹⁶ for the structure without depreciation 2. Alternative house with minimum area as per Government norms. The cost of alternative housing to be provided can be set off against all or part of the compensation payable for the structure lost. 3. One-time Subsistence grant equivalent to 180 days of minimum wages which will be worked out as per the notified minimum wage rates¹⁷. 	Houses in urban areas may, if necessary, be provided in multi-storied building complexes. The Titles for alternatives houses shall be provided in the joint name of the wife and husband.

¹⁵ Any changes required in the entitlement matrix pursuant to any Amendments in the LARR 2013 Act and Rules notified by the GOTT will be incorporated with the concurrence of the ADB. All cash allowance in the entitlement matrix will be revised at the rate of 5% per annum starting from financial year 2017-18.

¹⁶ Replacement cost includes (i) fair market value; (ii) transaction costs; (iii) interest accrued, (iv) transitional and restoration costs; and (v) other applicable payments, if any (ADB SPS 2009, p 45 para 10). Applicable wherever replacement cost is mentioned in this EM.

¹⁷ Government of Tamil Nadu, Labour and Employment Department. 2017. *Government Order (2D) No. 62 dated 11 October 2017. Minimum Wages Act, 1948 (Central Act XI of 1948): Revision of minimum rates of wages for employment under any local authority - Orders Issued*. Chennai

No.	Impact Category	Entitlements	Explanations
		4. One-time financial assistance of ₹10,000/- as transportation cost for shifting of the family, building materials, belongings and cattle. 5. Right to salvage the affected materials.	
B	Loss of shop/ productive asset	1. Compensation as per the replacement cost of the structure/productive asset without depreciation. 2. One-time subsistence grant equivalent to 180 days of minimum wages which will be worked out as per the notified minimum wage rates. 3. One-time financial assistance of ₹10,000/- as transportation cost for shifting. 4. One-time assistance of ₹15,000/- toward economic rehabilitation. 5. Right to salvage the affected materials.	
Impact to Vulnerable Affected persons			
A	Vulnerable ^b Affected persons	1. Training for skill development. This assistance includes cost of training and financial assistance for travel/conveyance and food. ^c 2. One adult member of the affected household, whose livelihood is affected, will be entitled for skill development. 3. Additional assistance to the vulnerable PAFs whose livelihood/ shelter is impacted by the project will be paid additional one-time assistance of Rs. 5000. 4. Wherever possible, the vulnerable people shall be assisted in enrolling in the applicable government programmes. 5. All Scheduled Castes and Scheduled Tribes relocated outside the district will be provided an additional 25% of the resettlement benefits to which they are entitled along with a onetime resettlement entitlement of Rs50, 000 per the provisions of the RFCTLARRA.	Training will be provided through relevant training institutions Each vulnerable household - with single or multiple vulnerabilities, will receive one-time assistance.
Unforeseen Impacts^d			
A	Unforeseen Impacts	Unforeseen impacts encountered during implementation will be addressed in accordance with the principles of this resettlement framework.	-
Temporary Economic Impacts during implementation			
A	Temporary economic impacts	Compensation for loss of income for the duration of impact based on net income worked out as per information technology returns or based on notified minimum wage rates, whichever is higher.	Advance notice provided to temporarily affected persons once contractor's work plans are finalized, with minimum 7 working days.

PAF= RCFCTLARR= Right to Fair Compensation and Transparency in Land Acquisition.

^a Affected non-titleholders on private or government land are included. Tenants and leaseholders in this category are those with informal/verbal arrangements

^b This resettlement framework defines vulnerable households are defined as those below the poverty line, the landless, the elderly, women and children, disabled persons, scheduled castes and scheduled tribes, Indigenous Peoples, and those without legal title to land.

^c Skill training institutes will be contractually bound for job placement as well, as per GOTTN's current practice. Elderly or physically challenged APs who are unable to undergo training and/or access job placement, will be assisted to access government social welfare programs.

^d If unanticipated involuntary resettlement impacts are found during implementation, a social impact assessment will be conducted and the resettlement plan updated or a new resettlement plan prepared, in accordance with ADB SPS 2009.

VIII. RESETTLEMENT BUDGET AND FINANCING PLAN

76. The resettlement budget for Madurai subproject is estimated at ₹16.99 million. The costs are indicative estimates to be confirmed post detailed measurement survey based on detailed design and comprise GRM and consultation costs. Resettlement plan costs will be confirmed during detailed project preparation/ implementation.

Table 7: Resettlement Cost^a

	Land Acquisition and Resettlement Impacts	Details	Unit	Unit Cost	Total Cost (₹)
1	Loss of Residential Structure				
	Demolition of existing structure	1	Nos.	LS	20,000
	New Government Housing (Beneficiary Contribution)	1	Nos.	80,000	80,000
	One-time Subsistence Grant for 180 days	180	Nos.	643 ^{b, c}	115,740
	One-time Transportation Allowance	1	Nos.	10,500	10,500
	Additional compensation for vulnerable households	1	Nos.	5,250	5,250
	Skill Training	1	Nos.	30,000	30,000
	Total 1				261,490
2	Loss of Commercial Structure				
	Demolition of existing structure (constructed by AP) AP-1	1	Nos.	LS	85,000
	Demolition of existing structure (constructed by AP) AP-2	1	Nos.	LS	100,000
	Demolition of existing structure (constructed by AP) AP-3	1	Nos.	LS	10,000
	One-time Subsistence Grant for 180 days for 3 business owners	540	Nos.	643	347,220
	One-time Transportation Allowance for 3 business owners	3	Nos.	10,500	31,500
	Economic rehabilitation	3	Nos.	15,750	47,250
	Additional compensation for vulnerable households	3	Nos.	5,250	15,750
	Skill Training	3	Nos.	30,000	90,000
	Total 2				726,720
3	Temporary Income Loss				
	Provisional sum for compensation of temporary income loss at notified minimum wage rate for Raw, Clear and feeder mains	100	15 days	643	964,500
	Provisional sum for compensation of temporary income loss at notified minimum wage rate for feeder network	930	10 days		5,979,900
	Provisional sum for compensation of temporary income loss at notified minimum wage rate for distribution network	1,480	6 days		5,709,840
	Reconstruction of extensions within ROW (platforms, steps etc.) for raw and clear water mains	21	Nos.	10,000	210,000
	Total 3				12,864,240
4	Surveys, consultations, grievances and awareness				
	Census and Socioeconomic surveys		LS		500,000
	DMS Survey for Resettlement Plan updating ^c		LS		500,000
	Consultation, grievance redress, disclosure ^{d, f}		LS		500,000
	Total 4				1,500,000
5	Provisional sum for third-party engagement		LS		100,000
	Total 5				100,000
	Subtotal 1 to 5				15,452,450
	Contingency @ 10%				1,545,245
	Grand Total (₹)				16,997,695

DMS= detailed measurement survey, LS= lump sum, Nos.= numbers, ROW= right-of-way.

^a All resettlement costs will be met through counterpart funding.

^b Government of Tamil Nadu, Labour and Employment Department. 2017. *Government Order (2D) No. 62 dated 11 October 2017. Minimum Wages Act, 1948 (Central Act XI of 1948): Revision of minimum rates of wages for employment under any local authority - Orders Issued*. Chennai

^c For the purpose of budget preparation in the draft resettlement plan, notified minimum wage rate is used, as per the entitlement matrix. Costs in the updated resettlement plan will be based on a comparison of census and socio-economic survey data on income with the prevailing notified minimum wage rate at the time of compensation payment and the higher of the two will be used for the period of disruption.

^d DMS will be conducted in sections ready for implementation, based on detailed design to confirm impacts.

^e The allocation for disclosure includes cost of translation of the resettlement plan to Tamil.

^f The estimated temporary impacts based on sample surveys and projections in the draft resettlement plan would be replaced by actual figures based on detailed measurement survey and detailed design, and the resettlement budget adjust accordingly, in the updated resettlement plan. Based on discussions with project preparation engineers, routing of pipelines through high density areas will be avoided as far as possible during detailed design.

77. All land acquisition and resettlement costs will be borne by the government/ULB/PIU. Under TNUFIP, it is suggested that payment will be directly made by PIU to affected persons. The CMSC SRSE/ GIAC will be involved in facilitating the disbursement process and will facilitate opening bank accounts for the affected persons (both permanent and temporary loses) who do not have bank accounts.

IX. INSTITUTIONAL ARRANGEMENTS AND IMPLEMENTATION SCHEDULE

78. The Municipal Administration and Water Supply Department (MAWS) acting through the TNUIFSL will be the state-level executing agency. A program steering committee, headed by Principal Secretary, MAWS, GOTN, will provide overall guidance and strategic directions to the program. A PMU for TNUFIP, headed by the Managing Director, TNUIFSL acting as Program Director will be established within TNUIFSL for overall management, planning, implementing, monitoring, reporting, and coordinating TNUFIP. The Commissioner of Municipal Administration will act as the Deputy Program Director in the PMU. The project ULBs, represented by respective Municipal Commissioners, will be the implementing agencies for works in cities/towns and will establish PIUs headed by a municipal engineer as full-time Project Manager. For sewerage and water supply works in Chennai, CMWSSB, represented by its Managing Director, will be the IA and establish a PIU headed by a superintending engineer as full-time Project Manager. PIUs will be responsible for overseeing implementation of the various projects on a day-to-day basis. ULBs under the Program with less project implementation capacity, may utilize implementation support from the Tamil Nadu Water and Drainage Board (TWADB) to act as PIU. The Project Managers of the PIUs will be supported by technical, financial, safeguards and administrative staff from a CMSC recruited by TNUIFSL. For the capacity development and incentivized reforms components, CMA acting through its Commissioner, will be responsible for carrying out these activities and establish a PIU.

79. A Program Steering Committee, headed by Principal Secretary, MAWS, and Members comprises of: (i) Managing Director, TNUIFSL (Convener); (ii) Commissioner of Municipal Administration; (iii) Managing Director, CMWSSB; (iv) Managing Director, TWADB; and (v) Managing Director, TUFIDCO.

80. **Program Management Unit.** PMU will (i) monitor the project and have overall responsibility for ensuring adoption and compliance of resettlement framework and ADBs SPS. Additionally, PMU will monitor PIUs for: (i) identifying and preparing subprojects; (ii) reviewing resettlement plans prepared by PIU/ULB; (iii) ensure adoption and compliance of resettlement framework in land acquisition and other safeguards; (iv) guide in awareness campaigns and participation programs; (v) organize and operate the program performance monitoring system; (vi) prepare and submit timely reports to ADB; and (vii) design and organize capacity building programs. PMU will be assisted by CMSC in managing and guiding the overall implementation of the Program. PMU SPO will responsible for all land acquisition and resettlement matters from PMU side. PMU SPO will perform responsibilities like: (i) addressing social safeguards issues; (ii) implementing the resettlement framework; (iii) report to Projects Head with respect to land acquisition and resettlement plan implementation in the sub-projects; (iv) monitoring physical and financial progress on land acquisition activities and updating the PMU on the same; (v) monitoring

implementation of safeguards plans (resettlement plan); (vi) guiding the PIUs as and when necessary; and (vii) endorsing and submitting periodic monitoring reports.¹⁸

81. Program Implementation Unit.¹⁹ PIUs will be established in each of the participating ULBs within their structure or at TWADB and in CMWSSB. For Madurai WSS subproject PIU will be established at ULB supported by CMSC. PIU ASO will assist PMU SPO in implementation of the social safeguards at the PIU level. The PIUs will be responsible for implementation of the resettlement plans. PIUs will undertake internal monitoring and supervision and record observations throughout the project period to ensure that the safeguards and mitigation measures are provided as intended. PIUs will be responsible for: (i) conduct briefing to contractors on safeguards requirements including GRM; (ii) implementing and monitoring safeguards compliance activities, public relations activities, gender mainstreaming activities, and community participation activities; (iii) coordinating with district administration and GIAC for land acquisition and resettlement and rehabilitation (R&R) aspects and addressing any problems and/or delays; (iv) monitoring physical and financial progress on land acquisition and R&R activities; (v) organizing monthly meetings with the PIU to review the progress on R&R; and (vi) share all reports relating to land acquisition, alienation, R&R activities etc. and status to PMU.

82. Construction, Management and Supervision Consultant (CMSC). The implementing agency will be assisted by a CMSC social and resettlement safeguards expert (SRSE). The SRSE will: (i) based on final designs, carry out census and socioeconomic surveys/verification surveys for the affected people and update resettlement plan in line with the TNUFIP resettlement framework; (ii) identify requirement for any enter upon permissions (EUPs)/No Objection Certificates (NOCs) for sub-project sites and assist PIUs in obtaining the same prior to start of civil works. Prepare any additional safeguard documentation, if required, such as due diligence reports; (iii) assist PIU in day-to-day implementation of resettlement plan activities and ensure contractors comply with conditions of resettlement framework/resettlement plan; (iv) take proactive action to anticipate and avoid delays in implementation, and ensure gender equality and social inclusion during implementation; (v) assist PIU in conducting public consultation and disclosure activities; (vi) Assist PIU in preparing periodic social safeguard monitoring reports as per project administration manual (PAM) requirements; (vii) under guidance of GIAC, assist PIU in establishing a system and indicators, focusing on gender and vulnerable households, to monitor social safeguards including GRM activities; (viii) support GIAC in conducting training focused on involuntary resettlement safeguards implementation capacity of the PIUs; and (ix) assistance to PIU/PMU in any other social safeguard related tasks.

83. Governance Improvement and Awareness Consultants (GIAC). The scope of service will include, but not be restricted to, implementation, monitoring and reporting of the consultation and participation plan (CPP); gender action plan (GAP), and monitor and guide resettlement plan implementation and lead involuntary resettlement trainings. Specific tasks related to social

¹⁸ The monitoring report will focus on the progress of implementation of the IEE/EIA and EARF, resettlement plan/resettlement framework and IPP/IPPF (if applicable), issues encountered and measures adopted, follow-up actions or corrective actions required, if any, as well as the status of compliance with subproject selection criteria and relevant loan covenants.

¹⁹ If the subproject triggers new LARR, PIU will facilitate land acquisition through District Collector and will provide all details of land acquisition to CMSC SSE/PMU. CMSC SSE will incorporate the same in resettlement plan and check its compliance with resettlement framework/ADB SPS 2009 to make necessary additions (if any). PIU will bear the cost of any deviation or non-compliance or involuntary resettlement impact due to or in anticipation of ADB funded TNUFIP, to comply with the resettlement framework/ADB SPS 2009. Government procedures under RFCTLARR Act will run parallel to the required surveys and preparation/updating of resettlement plan for the subproject as per the agreed resettlement framework. The final compensation will be arrived at and disbursement of payments will take place in accordance with government procedures and as per the agreed resettlement framework for TNUFIP.

safeguards include: (i) monitor and guide PIUs on resettlement plan implementation, with particular reference to significant impacts; (ii) lead involuntary resettlement training and capacity building on involuntary resettlement/ indigenous people safeguards to project PIUs and CMA; (iii) guide PIUs to set up grievance redress mechanisms, record keeping and feedback mechanisms; and (iv) guide PIUs in keeping detailed records of progress and establishing monitoring and reporting systems for resettlement. GIAC will also provide guidance to PIUs on specific requirements for indigenous people plan (IPP) implementation, if Safeguard Requirements 3 triggered.

84. To build the institutional capacity for resettlement plan preparation and implementation, following key training activities will be undertaken. The cost of trainings for all project cities and staff will be borne by Project's capacity building program by PMU. The detailed cost and specific modules will be customized for the available skill set after assessing the capabilities of the target participants and the requirements of the project.

Table 8: Indicative Training Needs Assessment

Description	Target Participants and Venue
1. Introduction and Sensitization to Social/ Involuntary Resettlement/Indigenous Peoples Safeguards (1 day) <ul style="list-style-type: none"> - ADB Safeguards Policy Statement - Government of India and Tamil Nadu applicable social safeguard acts - Incorporation of social/resettlement components under EMP into the project design and contracts - Monitoring, reporting and corrective action planning 	All staff and consultants involved in the project At PMU, Chennai First year of the launch of TNUFIP.
2. Resettlement Plan implementation (2 days; 2 times during implementation with interval of 1 year in-between) <ul style="list-style-type: none"> - Roles and responsibilities - Resettlement plan components and stages in implementation - Construction schedules and timelines - Public relations - Consultations - Grievance redress - Monitoring and corrective action planning - Reporting and disclosure - Timely documentation 	All staff and consultants involved in the subproject All contractors prior to award of contract At each PIU
3. Experiences and best practices sharing (1 day) <ul style="list-style-type: none"> - Experiences on resettlement plan implementation - Issues and challenges - Best practices followed 	All staff and consultants involved in the project All contractors All consultants At PMU Chennai

ADB= Asian Development Bank, EMP= environmental management plan, PIU= program implementation unit, PMU= program management unit, TNUFIP = Tamil Nadu Urban Flagship Investment Program.

Table 9: Institutional Roles and Responsibilities

Activity	Responsible Agency
Subproject Initiation Stage	
Finalization of sites for sub-projects	PIU
Disclosure of proposed land acquisition and sub-project details by issuing Public Notice	PIU
Meetings at community/household level with affected persons	PIU/CMSC
Resettlement Plan Preparation and Updating Stage	
Conducting Census of all affected persons	PIU/ULB
Conducting FGDs/meetings/workshops	PIU/ULB

Activity	Responsible Agency
Computation of replacement values of land/properties proposed for acquisition and for associated assets	PIU/ULB and as per RFCTLARR 2013 for Land Acquisition
Categorization of affected persons for finalizing entitlements	PIU/ULB
Formulating compensation and rehabilitation measures	PIU/ULB
Conducting discussions/meetings/workshops with affected persons and other stakeholders	PIU/ULB
Fixing compensation for land/property with titleholders	As per RFCTLARR 2013 for land acquisition
Finalizing entitlements and rehabilitation packages	PIU/ULB
Disclosure of resettlement plan	PIU
Approval of resettlement plan	PMU/ ADB
Sale deed execution and payment	PIU/ULB
Taking possession of land	PIU/ULB
Resettlement Plan Implementation Stage	
Implementation of proposed rehabilitation measures	PIU/CMSC
Consultations with affected persons during rehabilitation activities	PIU/ CMSC
Grievances redressal	CMSC/PIU/GRC/PMU
Internal monitoring	PMU/PIU/ULB

ADB= Asian Development Bank, CMSC= construction, management, and supervision consultant, FGD= focus group discussion, GRC= grievance redress committee, PIU= program implementation unit, PMU= program management unit, RFCTLARR= The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013, ULB= urban local body

85. Implementation of Resettlement Plan. All proposed subproject utility sites will be secured prior to the contract award and start of civil works. Prior the contract award, for all Tiruppur City Corporation (TCC)/government lands, PIU will confirm that there are no legacy issues related to acquisition of the sites (i.e., year in which land was acquired/obtained, whether acquired in anticipation of ADB funding, whether all compensation has been paid and accepted, and whether there are any pending legal/other issues). This could be in the form of self-certification by the owner department/TCC. This will be submitted to ADB through PMU before contract award and start of civil works. resettlement plan will also be disclosed in English and its Executive Summary in Tamil prior to contract award.

Table 10: Resettlement Plan Implementation Schedule

	2019	2020		2021	2022	2023	2024
	H2	H1	H2				
Setting up of PIU							
Appointment of GIAC							
Setting up of project level GRM							
Awareness generation among affected persons on entitlements, impact avoidance and mitigation measures to be implemented by the contractor							
Conduct detailed measurement surveys, census surveys and issuance of ID cards in sections ready for construction							
Identify Vulnerable affected persons, if any*							
Update draft Resettlement Plan to reflect surveys, consultations, design changes, and due diligence results							
Consultations and disclosure							
Review and approval of updated Resettlement Plan (PMU and ADB)							
Training/capacity building of PMU and PIU safeguards officers, engineers and other staff, CMSC supervision staff and contractor's staff							
Payment of compensation							
Handover of sites and alignments to contractors							
Start of civil works							
Internal monitoring, including surveys of affected persons on entitlements, satisfaction surveys							
Repair/reconstruction of affected facilities, structures, utilities, if any				Immediately, in consultation with other departments, as required			

ADB = Asian Development Bank, CMSC = construction, management, and supervision consultant, GIAC = government improvement and awareness consultant, GRC = grievance redress committee, PIU = program implementation unit, PMU = program management unit.

Note: The cut-off date for non-titleholders, is the date of the start of the census survey. The date of Land Acquisition Notification under Section 11 of the RFCTLARR Act, 2013 is the cut-off-date for titleholders losing land and structures, if any. Endorsement and disclosure of finalized resettlement plans consistent with the resettlement framework to be undertaken.

X. MONITORING AND REPORTING

86. Resettlement plan implementation will be closely monitored by the PMU. PIU will prepare monthly progress reports on implementation of resettlement plan and submit to PMU, documenting actual achievements against targets fixed and identifying reasons for shortfalls, if any. As a part of monitoring, the standard of living of vulnerable households will be assessed pre- and post-resettlement plan implementation. It will be ensured that the standard of living of vulnerable households is improved, at least to the minimum national standard. These reports will feed into the overall monitoring reports for the TNUFIP which will be generated every quarter for the first year of implementation and bi-annually thereafter. Details to be covered under internal monitoring are elaborated in resettlement framework.

87. After the completion of the Program, an end-term impact evaluation to assess the effectiveness of the implementation of the resettlement plan will be carried out. The evaluation will focus mainly on effectiveness of resettlement measures taken to address the identified impacts, including, (i) whether the affected persons facing permanent loss of business/livelihood have been able to enhance or restore their business/livelihood, (ii) how those facing temporary economic impacts have been able to adjust with the implementation plan to continue with their business and that compensation payment was for the actual period of disruption, and (iii) whether compensation and assistance provided to the displaced vulnerable household facing loss of house has led to improved standard of living.

Details of Potential Temporary Impacts

Table A1.1: Raw Water Main

Sl. No.	Name of Business Owner	Type of Business	Type of Structure	Years of Business at present location	Average Monthly Profit	Vulnerability	Age of AP	Caste/Tribe/Community	Total members of the family	Educational status
1	Kavitha	Tea shop	2	1	8,000	-	27	OBC	5	Up to 10th grade
2	Pandian	Tea shop	2	3	8,000	-	32	OBC	4	Up to 10th grade
3	Jothi	Tea shop	2	10	8,000	-	42	OBC	3	Basic reading knowledge
4	Nallu	Petty shop	2	4	10,000	Elderly	66	OBC	2	Illiterate
5	Eswaran P	Tea shop	3	8	10,000	-	40	OBC	4	Up to 10th grade
6	(Absentee)	Mutton shop	1	-	-	-	-	-	-	-
7	Chellaiah	Petty shop	2	15	9,000	Elderly	70	OBC	1	Illiterate
8	Subramani	Petty shop	2	10	6,000	Elderly, SC	72	SC	2	Up to 4th grade
9	Jaganathan	Petty shop	2	6	10,000	Elderly, SC	62	SC	4	Up to 10th grade
10	Tamilselvi	Petty shop	3	7	15,000	SC	52	SC	3	Illiterate
11	Naina Mohammed	Soup stall	2	2	6,000	Elderly	63	OBC	2	Illiterate
12	Selvi	Tiffin stall	2	15	6,000	-	50	OBC	3	Illiterate
13	Muthulakshmi	Petty shop	3	4	4,000	WHH, BPL	38	OBC	2	Illiterate
14	Kamudurai	Hotel	3	1	15,000	-	52	OBC	3	Illiterate
15	Senthilkumaran	Studio	3	3	8,000	-	34	OBC	5	Up to 10th grade
16	Rajendran	Tea shop	3	3	16,000	-	58	OBC	5	Illiterate
17	Ravikumar	Grocery Store	2	28	20,000	-	40	OBC	4	Up to 10th grade
18	Ravichandran	Tea shop	3	20	18,000	-	52	OBC	4	Up to 10th grade
19	Selvam	Chicken Fry	2	10	6,000	-	45	OBC	3	Up to 10th grade
20	Sekar	Chicken Fry	3	30	20,000	-	53	OBC	3	Up to 4th grade
21	Sellakamu M	Grocery Store	2	20	20,000	-	31	OBC	8	Graduation
22	Mariammal	Tea shop	3	30	6,000	WHH, Elderly, SC	80	SC	4	Illiterate
23	Ramesh	Electronics & Service Center	2	10	8,000	SC	39	SC	4	Up to 10th grade
24	Bethaya	Petty shop	2	1	9,000	Elderly	72	OBC	5	Up to 4th grade
25	Pandi	Petty shop	3	1	15,000	-	48	OBC	4	Up to 10th grade
26	Nithya	Fancy Store	3	1	10,000	SC	28	SC	3	Up to 10th grade
27	Natarajan	Vegetable Shop	4	3	15,000	Elderly, SC	62	SC	2	Up to 4th grade
28	Pandiammal	Grocery Store	3	10	15,000	WHH	52	OBC	2	Up to 12th grade
29	Marimuthu	Tender Coconut	2	4	12,000	SC	55	SC	3	Illiterate
30	Subbuthai	Petty shop	2	10	10,000	Elderly	60	OBC	4	Illiterate

Sl. No.	Name of Business Owner	Type of Business	Type of Structure	Years of Business at present location	Average Monthly Profit	Vulnerability	Age of AP	Caste/Tribe/Community	Total members of the family	Educational status
31	Pinniammal	Ragi Porridge and Snacks	2	15	4,500	Elderly, BPL	60	OBC	5	Illiterate
32	Saraswathi	Ragi Porridge and Snacks	2	15	4,500	Elderly, BPL	65	OBC	5	Illiterate
33	Katchammal	Ragi Porridge	2	15	6,000	-	48	OBC	4	Illiterate
34	Jothi	Snacks Shop	2	15	5,000	BPL	39	OBC	5	Illiterate
35	Ochammal	Ragi Porridge	2	15	6,000	-	47	OBC	6	Illiterate
36	Ponnammal	Ragi Porridge	2	16	6,000	WHH, Elderly	70	OBC	3	Illiterate
37	Sumathi	Tiffin stall	2	13	6,000	-	40	OBC	3	Basic reading knowledge
38	Mani S	Snacks Shop	2	12	7,000	WHH	47	OBC	4	Up to 10th grade
39	Kamudurai M	Soup Stall and Snacks	1	2	6,000	-	43	OBC	4	Illiterate
40	Chellammal	Textiles	4	15	9,000	WHH, Elderly	70	OBC	5	Illiterate
41	Selvendran M	Tiffin stall	2	6	6,000	Elderly	70	OBC	2	Up to 10th grade
42	Kasi	Cloth Merchant	2	13	8,000	-	42	OBC	3	Up to 4th grade

Type of structure: 1-Cart/structure on wheels, 2-Extended activities/structure that can be easily dismantled and reconstructed again, 3-Extended activities/structure that requires demolition of platform, steps etc., 4-Shelter not on wheels but can be moved.

Table A2.2: Clear Water Main

Sl. No.	Name of Business Owner	Type of Business	Type of Structure	Years of Business at present location	Average Monthly Profit	Vulnerability	Age of AP	Caste/Tribe/Community	Total members of the family	Educational status
1	Rangaraj	Tea shop	2	20	8,000	Elderly	61	OBC	2	Up to 4th grade
2	Balan	Mutton shop	2	12	20,000	-	40	OBC	4	Illiterate
3	Ramakrishnan	Chicken Fry	2	15	20,000	-	42	OBC	4	Up to 10th grade
4	Ravi	Petty shop	3	30	4,000	BPL	45	OBC	2	Up to 10th grade
5	Amsath Begum	Tea shop	2	25	16,000	-	48	OBC	5	Up to 4th grade
6	Nagarani	Medical Stores	2	4	12,000	-	27	OBC	2	Graduation
7	Senthil	Tea shop	3	45	8,000	-	37	OBC	6	Up to 12th grade
8	Nagadevi	Tea shop	3	20	20,000	-	30	OBC	3	Up to 10th grade
9	Muthukumar	Tea shop	3	5	10,000	Phy Challenged	36	OBC	4	Up to 10th grade
10	Murugesan G	Amman Rice Store	2	3	3,000	BPL	46	OBC	4	Up to 10th grade
11	Murugan	Tea shop	3	45	10,000	Elderly	68	OBC	2	Basic reading knowledge
12	Madasamy	Mutton shop	3	10	20,000	-	45	OBC	5	Up to 10th grade
13	Raja	Grocery Store	2	40	6,000	-	47	OBC	5	Up to 10th grade
14	Annadurai	Tea shop	2	3	12,000	SC	50	SC	3	Up to 10th grade
15	Sudha	Petty shop	2	5	18,000	-	38	OBC	4	Up to 10th grade
16	Thayambu	Bike Workshop	2	9	12,000	-	43	OBC	4	Up to 10th grade

Sl. No.	Name of Business Owner	Type of Business	Type of Structure	Years of Business at present location	Average Monthly Profit	Vulnerability	Age of AP	Caste/Tribe/Community	Total members of the family	Educational status
17	Palpandi	Tea shop	2	3	13,000	-	54	OBC	4	Up to 4th grade
18	Boominathan	Tea and Cooldrinks	2	30	12,000	-	49	OBC	4	Up to 10th grade
19	Kalaiselvi	Tea and Cooldrinks	2	10	9,000	-	40	OBC	3	Up to 10th grade
20	Vaverkhan	Grocery Store	2	15	20,000	-	42	OBC	7	Up to 10th grade
21	Chitra	Grocery Store	3	1	16,000	-	35	OBC	4	Up to 10th grade
22	Karthikeyan	Saloon	3	14	20,000	-	35	OBC	5	Up to 10th grade
23	Valli	Tea and Petty shop	3	1	2,000	WHH, BPL	55	OBC	6	Up to 4th grade

Type of structure: 1-Cart/structure on wheels, 2-Extended activities/structure that can be easily dismantled and reconstructed again, 3-Extended activities/structure that requires demolition of platform, steps etc., 4-Shelter not on wheels but can be moved.

Table A3.3: Feeder Main

Sl. No.	Name of Business Owner	Type of Business	Type of Structure	Years of Business at present location	Average Monthly Profit	Vulnerability	Age of AP	Caste/Tribe/Community	Total members of the family	Educational status
1	Rajamma	Tender Coconut	3	3	5000	BPL, Elderly	60	SC	7	Illiterate
2	Jothi	Fruit Stall	3	35	4000	BPL	50	OBC	2	Illiterate
3	Sankar Ganesh	Fruit Stall	3	5	10000		34	OBC	4	Illiterate
4	Prema	Tender Coconut	3	15	4500	SC, WHH, BPL	45	SC	3	Illiterate
5	Durai	Flower shop	3	4	8000	Elderly	60	OBC	4	Illiterate
6	Krishnaveni	Watermelon	3	1	6000	SC	41	SC	5	Up to 10th grade
7	Rakku	Tender Coconut	3	30	6000	SC	45	SC	4	Up to 4th grade
8	Sundaram	Tender Coconut	3	30	6000	SC	58	SC	4	Illiterate
9	Dhathaniyan	Briyani Stall	3	2	9000	Elderly	64	OBC	2	Up to 10th grade
10	Sivakumar	Sugarcane Juice	3	5	5000	SC, BPL	24	SC	5	Up to 12th grade
11	Periyakaruppi	Tender Coconut	3	5	6000	SC, WHH	52	SC	1	Illiterate
12	Muthulakshmi	Porridge Shop	3	5	6000	WHH	50	OBC	4	Illiterate
13	Kannan	LMKS Cool drinks	3	3	15000		22	OBC	5	Graduation
14	Thamayanthi	Tender Coconut	3	15	4500	SC, BPL	37	SC	4	Illiterate
15	Valli	Flower shop	3	5	15000		48	OBC	3	Up to 4th grade
16	Karthi	Cooldrinks Stall	3	8	6000		25	OBC	3	Up to 10th grade
17	Muruganandam	Helmet Shop	1	10	9000	SC	40	SC	4	Up to 4th grade
18	Devekumar	Cooldrinks Stall	3	10	12000		45	OBC	4	Up to 12th grade
19	Maragatham	Tender Coconut	3	10	6000	SC, WHH, Elderly	66	SC	4	Illiterate
20	Petchiammal	Tender Coconut	3	20	6000	SC	48	SC	7	Illiterate
21	Meena	Flower shop	1	5	6000		55	OBC	3	Basic reading knowledge
22	Seethapathi	Tiffin Stall	1	5	6000		48	OBC	4	Graduation
23	Muthulakshmi	Flower shop	1	8	10000	WHH	48	OBC	6	Basic reading knowledge
24	Pandiammal	Tender Coconut	3	24	6000	SC	48	SC	3	Up to 10th grade
25	Abimannan	Watch Repair Shop	3	16	6000		45	OBC	5	Up to 10th grade
26	Sumathi	Cooldrinks Stall	3	5	6000		38	OBC	4	Up to 10th grade
27	Dhanalakshmi	Watermelon	3	1	8000		26	OBC	6	Up to 10th grade
28	Lakshmi	Tender Coconut	3	3	5000	BPL	37	OBC	4	Up to 4th grade
29	Alagumani	Fruit Stall	3	4	9000		39	OBC	5	Up to 10th grade
30	Devi Bala	Sugarcane Juice	3	7	9000		35	OBC	4	Up to 10th grade
31	Chandrika	Varathan Snacks	1	30	12000	WHH, Elderly	62	OBC	4	Up to 4th grade
32	Pitchai	Sugarcane, Tender Coconut	3	23	12000		40	OBC	8	Illiterate
33	Angusamy	Sugarcane Juice	3	10	12000		56	OBC	2	Up to 10th grade
34	Kannan	Tender Coconut	1	2	15000		45	OBC	4	Basic reading knowledge
35	Pandi	Fruit Stall	3	25	15000		50	OBC	5	Illiterate

Type of structure: 1-Cart/structure on wheels, 2-Extended activities/structure that can be easily dismantled and reconstructed again, 3-Extended activities/structure that requires demolition of platform, steps etc., 4-Shelter not on wheels but can be moved.

Table A4.4: Feeder Network (Sample survey in high, medium and low density areas for 500 m stretch in each)

Sl. No.	Name of Business Owner	Type of Business	Type of Structure	Years of Business at present location	Average Monthly Profit	Vulnerability	Age of AP	Caste/Tribe/Community	Total members of the family	Educational status
1	Baskar	Snacks Vendor	3	7	9000		51	OBC	4	Up to 10th grade
2	Veerayi	Fruits Vendor	1	3	6000	Elderly	60	OBC	5	Illiterate
3	Krishnan	Sugarcane Juice	3	15	9000		41	OBC	4	Up to 4th grade
4	Manoharan	Coconut Vendor	1	2	6000		57	OBC	5	Illiterate
5	Alagar	Tender Coconut Vendor	3	1	6000	SC, Elderly	65	SC	2	Up to 4th grade
6	Sakthivel	Watermelon Vendor	3	20	18000	SC	45	SC	4	Up to 4th grade
7	Palanisamy	Chappel Repair	1	25	6000	SC, Elderly	65	SC	5	Illiterate
8	Palanikumar	Sugarcane Juice	3	15	15000		29	OBC	4	Up to 10th grade
9	Chellammal	Vegetable & Fruits Vendor	1	20	6000	WHH, SC, Elderly	60	SC	1	Illiterate
10	Veerayi	Fruits Vendor	1	30	9000	WHH, Elderly	65	OBC	1	Illiterate
11	Rasammal	Fruits Vendor	1	10	9000	Elderly	60	OBC	2	Illiterate
12	Raman	Porridge Vendor	3	10	15000		55	OBC	5	Up to 4th grade
13	Mohamed	Fancy items Vendor	1	17	4000	Elderly, BPL	65	OBC	6	Up to 4th grade
14	Thiyagarajan	Banana Vendor	3	7	7000		42	OBC	3	Up to 10th grade
15	Karthikraja	Sugarcane Juice	3	30	9000		46	OBC	6	Up to 10th grade
16	Sundari	Flower Vendor	1	10	3000	BPL	50	OBC	6	Illiterate
17	Rajendran	Tender Coconut Vendor	3	3	3000	BPL	50	OBC	3	Illiterate
18	Shanthi	Flower Vendor	1	2	6000		40	OBC	4	Up to 10th grade

Type of structure: 1-Cart/structure on wheels, 2-Extended activities/structure that can be easily dismantled and reconstructed again, 3-Extended activities/structure that requires demolition of platform, steps etc., 4-Shelter not on wheels but can be moved.














Table A5.5: Distribution Network (Sample survey in high, medium and low density areas for 500 m stretch in each)

Sl. No.	Name of Business Owner	Type of Business	Type of Structure	Years of Business at present location	Average Monthly Profit	Vulnerability	Age of AP	Caste/Tribe/Community	Total members of the family	Educational status
1	Amsavalli	Sugarcane Juice	3	30	9000		36	OBC	4	Illiterate
2	Ramar	Sugarcane Juice	3	7	6000		40	OBC	3	Up to 4th grade
3	Rajendran	Sugarcane Juice	3	20	6000		61	OBC	3	Up to 4th grade
4	Irulayi	Vegetable Vendor	1	40	3000	SC, BPL, Elderly	65	SC	2	Illiterate
5	Pitchaikani	Vegetable Vendor	1	25	9000		63	OBC	3	Up to 10th grade
6	Abdulrahim	Banana Leaf Vendor	1	40	3000	BPL, Elderly	65	OBC	5	Up to 4th grade
7	Chinnathai	Greenleaf Vendor	1	50	3000	SC, BPL, Elderly	70	SC	5	Illiterate
8	Pitchaiammal	Vegetable Vendor	1	30	3000	SC, BPL, Elderly	65	SC	2	Illiterate

Sl. No.	Name of Business Owner	Type of Business	Type of Structure	Years of Business at present location	Average Monthly Profit	Vulnerability	Age of AP	Caste/Tribe/Community	Total members of the family	Educational status
9	Kuralarasan	Sugarcane Juice	3	3	6000	SC	27	SC	3	Up to 10th grade
10	Ravi	Tea Shop	3	10	6000		55	OBC	4	Up to 10th grade
11	Kumar	Snacks Vendor	3	10	6000		40	OBC	4	Up to 4th grade
12	Muthumani	Tiffin Centre	3	2	9000	WHH	60	OBC	4	Up to 4th grade
13	Vijayalakshmi	Tender Coconut Vendor	1	15	9000	SC	45	SC	5	Illiterate
14	Samuel Ganesh	Vegetable Vendor	1	20	5000	BPL, Elderly	65	OBC	2	Up to 4th grade
15	Bharathidasan	Tea Shop	1	10	15000		38	OBC	5	Up to 12th grade

Type of structure: 1-Cart/structure on wheels, 2-Extended activities/structure that can be easily dismantled and reconstructed again, 3-Extended activities/structure that requires demolition of platform, steps etc., 4-Shelter not on wheels but can be moved.

Photographs of Affected Persons along the Raw Water Main









01 Kavitha - 97865 10679	02 Pandian	03 Jothi 89408 93054
		
04 Nallu 78679 29590	05 Eswaran P 81247 55227	06 Absentee
		
07 Chellaiah	08 Subramani 84288 77090	09 Jaganathan 63838 07480
		
10 Tamilselvi	11 Naina 80565 59088	12 Selvi 99526 18981
		
13 Muthulakshmi 99439 82649	14 Kamudurai 97877 65509	15 Senthilkumaran
		

Photographs of Affected Persons along the Raw Water Main		
16 Rajendran	17 Ravikumar 95005 45545	18 Ravichandran 87603 22809
		
19 Selvam 76675 30336	20 Sekar 97153 25779	21 Sellakamu M 99655 92997
		
22 Mariammal 90426 30504	23 Ramesh 76677 77420	24 Bethaya
		
25 Pandi 99768 02483	26 Nithya 97517 51053	27 Natarajan 78719 83946
		
28 Pandiammal 86828 10856	29 Marimuthu 91592 48191	30 Subbuthai 74487 14203
		

Photographs of Affected Persons along the Raw Water Main







31 Pinniammal	32 Saraswathi	33 Katchammal 92290 85689
		
34 Jothi	35 Ochammal	36 Ponnammal
		
37 Sumathi	38 Mani S 99762 86008	39 Kamudurai M 96598 04177
		
40 Chellammal 97919 41597	41 Selvendran M 90920 57972	42 Kasi 80987 79570
		







Photographs of Affected Persons along Clear Water Main		
1 Rangaraj 97895 37535	2 Balan 96557 17232	3 Ramakrishnan 97878 49242
		
4 Ravi 95144 21240	5 Amsath Begum 997666 48554	6 Nagarani 81108 96577
		
7 Senthil 84895 47646	8 Nagadevi 80987 77843	9 Muthukumar 80980 02896
		
10 Murugesan G 99769 37841	11 Murugan 98656 24648	12 Madasamy 99422 66987
		
13 Raja 97151 41215	14 Annadurai 86753 66023	15 Sudha 99425 41552
		

Photographs of Affected Persons along Clear Water Main		
16 Thayambu 96263 82002	17 Palpandi 95006 67426	18 Boominathan 88700 37774
		
19 Kalaiselvi 76399 06246	20 Vaverkhan 90036 22820	21 Chitra 87542 85368
		
22 Karthikeyan 99447 93752	23 Valli 99523 81279	
		

Photographs of Affected Persons along Feeder Main		
1. Rajamma-81898 23462	2. Jothi-81898 23462	3. Sankar Ganesh-9047624960
		
4. Prema	5. Durai	6. Krishnaveni-81908 19059
		
7. Rakku-86810 47747	8. Sundaram-99940 20081	9. Dhathaniyan-88075 81688
		
10. Sivakumar-93843 59350	11. Periyakaruppi-7397540652	12. Muthulakshmi-9865495137
		
13. Kannan-93441 73207	14. Thamayanthi-99427 18013	15. Valli-89033 33464
		

Photographs of Affected Persons along Feeder Main		
16. Karthi-86676 44014	17. Muruganandam-8754772726	18. Devekumar-95972 81149
		
19. Maragatham-81898 92206	20. Petchiammal-63798 70367	21. Meena-96679 82836
		
22. Seethapathi-97864 86967	23. Muthulakshmi-6500582181	24. Pandiammal-99439 31191
		
25. Abimannan-98430 81827	26. Sumathi-77083 98027	27. Dhanalakshmi-8190014765
		
28. Lakshmi-97516 95270	29. Alagumani-96006 67016	30. Devi Bala-99948 85060
		





Photographs of Affected Persons along Feeder Main		
31. Chandrika-70948 06638	32. Pitchai-96262 92862	
		
33. Angusamy-84383 23942	34. Kannan-87542 80201	35. Pandi-96984 86472
		

Photographs of Affected Persons along Feeder Network		
Jaihindpuram Main Road, Madurai-High Density		
1. Palanikumar-73688 55934	2. Chellammal-99439 51981	3. Veerayi-90958 35646
		
4. Rasammal-73688 55934	5. Raman-97905 79117	6. Mohamed-82220 05514
		
7. Thiagarajan-99656 70917	8. Karthikraja-81443 28612	9. Sundari-85268 02275

Photographs of Affected Persons along Feeder Network

		
10. Rajendran-97863 26098	11. Shanthi-95972 61878	
		
Anna Nagar 2nd Main Road, SMP Colony, Madurai-High Density		
12. Alagar	13. Sakthivel-99762 22170	14. Palanisamy
		
Balaji Nagar Main Road, Madurai-High Density		
15. Baskar-96595 23623	16. Veerayi	17. Krishnan-91597 14526
		
18. Manoharan-91597 15830		
		

Photographs of Affected Persons along Feeder Network		
Photographs of Affected Persons along Distribution Network		
Munichalai Road, Madurai-High Density		
1. Amsavalli-77083 95533	2. Ramar-95241 69525	3. Rajendran-96595 84997
		
4. Irulayi-90875 90257	5. Pitchaikani-90875 90257	6. Abdulrahim-90875 90257
		
7. Chinnathai	8. Pitchaiammal-99446 51313	
		
Jai Nagar Main Road, Madurai, Madurai-Medium Density		
9. Kuralarasan-84284 91210	10. Ravi-95002 93533	11. Kumar-78452 20306
		
12. Muthumani-88834 88832	13. Vijayalakshmi-9842514893	14. Samuel G.-94891 59496

Photographs of Affected Persons along Feeder Network		
		
Kenneth Cross Road, Madurai, Madurai-Medium Density		
15. Bharathidasan-72000 09501		
		

SAFETY MEASURES FOR PIPELAYING-SAMPLE TEMPLATE

Type of road	Average width (m)	Max. Pipe dia (mm)	Max. width of actual excavation (mm)	Method of excavation	Working width (m) from one edge	Length of single working stretch (m)	Method of traffic management	Remarks
Bituminous	5	300	700	Mechanical (mini digger)	2	200	Flagmen at both ends plus no parking sign for 100m on either end	Night time working may be opted at busy sections with prior permission, stake holder consultation and noise control measures.
	6	-do-	-do-	-do-	-do-	-do-	-do-	-do-
	7.5	-do-	-do-	-do-	-do-	-do-	-do-	-do-
Concrete	2	100	250	Manual	0.5	50	Flagmen at both ends. Only pedestrian traffic will be allowed.	-do-
	3	100	250	Manual	1	50	-do-	-do-
	4	150	350	Manual	1	100	Flagmen at both ends. Pedestrian traffic can be allowed during works. Vehicles will be allowed after day's work by covering the trench with steel plates.	-do-
	5	150	350	Mechanical	2	200	Flagmen at both ends plus no parking sign for 100m on either end	-do-
	6	200	500	Mechanical	2	200	-do-	-do-
	2	50	150	Manual	0.5	50	Flagmen at both ends. Only pedestrian traffic will be allowed.	-do-
Tiles	3	100	250	Manual	0.5	50	-do-	-do-
	1	50	150	Manual	0.5	50	Controlled by general operative. Only pedestrian traffic will be allowed.	
Earthen road	2	50	150	Manual	0.5	50	-do-	

Notes:

- (i) Works will be carried out with due intimation to ULB / PWD and after stakeholder consultations
- (ii) All service providers (electricity, telecom, OFC, cable TV, gas etc.) shall be notified and consulted well in advance to identify bottlenecks and possible solutions.
- (iii) Reinstatement will be carried out in two phase – temporary and final.
- (iv) Special festival, business (local bazar) etc. days will be strictly followed and works causing disturbance will not be carried out on those days.
- (v) No drainage channel shall be disturbed/stopped during construction works. Any drain affected by construction works shall be set right as early as possible and definitely before onset of monsoon.
- (vi) The pedestrian area shall be always kept free from debris / trip hazard
- (vii) Environmental Management Plan (EMP) shall be strictly followed for all works and also dealing with any asbestos cement pipes.

- (viii) Land contamination, if encountered, shall be immediately brought to the notice of the PIU/PMU and remedial measures shall be taken as advised. Disposal of contaminated earth shall be as advised by the PIU/PMU experts.
- (ix) Night time work, if any, shall be carried out after due authorization with adequate safety and security measures. Acoustic hood shall be used on equipment to reduce noise pollution.
- (x) PIU will undertake installation of public announcement of the construction schedule, installation of warning signs before reaching the construction site, and provision of detour if necessary.

SITE VISITS AND CONSULTATIONS

Table A3.1: Details of proposed Overhead Tanks

Sl. No	OHT No.	Proposed OHT Name/Area	Ward No.	OHT Capacity (LL)	Area Required to Construct OHT (in Sqm)	Land Area Available (in Sqm)	Land Detail Survey No.	Classification	Ownership Department	North, South, East, West side bounded details
1	2	Zone 11 Anaiyur Composting Yard - I (Sellur Kanmoi)	2	25.00	855	4089	RS 101 to 105	Side of Compost Yard	MMC	N – Vacant Area E – Vacant Area W – Vacant Area S – Vacant Area
2	3	Zone 16 Sellur Lorry Stand	37	30.00	907	1000	TS No. 1382/2(P)	Corpor-ation Lorry Stand	MMC	N – Lorry Stand E – Institution W – Residential S – Vaigai River
3	4	Zone 12 Anaiyur Composting Yard - II (Singarayar Colony)	2	25.00	855	1960	TS No. 3865	Vacant Site	MMC	N – Residential E – Residential W – Residential S – Residential
4	6	Zone 32 SMP Colony	33	10.00	415	5026	TS No. 38/7 to 15	Vacant Site	MMC	N – Residential E – Exist Sewage Sump W – Residential S – Vaigai River
5	7	Zone 20 K K Nagar - Central Veg. Market	44	12.00	452	3862	TS No. 2236, 2737, 11/10	Vacant Site	MMC	N – Vacant Area E – Market W – Petrol Bunk S – Residential
6	10	Zone 40 Arapalayam Two Wheeler Parking	15	12.00	452	1814	TS No. 970	Vacant Site	MMC	N – Vaigai River E – Existing OHT W – Vaigai River S – Residential









Sl. No	OHT No.	Proposed OHT Name/Area	Ward No.	OHT Capacity (LL)	Area Required to Construct OHT (in Sqm)	Land Area Available (in Sqm)	Land Detail Survey No.	Classification	Ownership Department	North, South, East, West side bounded details
7	12	Zone 36 VKP Nagar	75	20.00	707	4500	TS No. 16/14	Vacant Site	MMC	N – Vacant Area E – Vacant Area W – Temple S – Vacant Area
8	13	Zone 34 Kochadai	22	25.00	855	4800	TS No. 1/1V/15	Vacant Site	MMC	N – Vaigai River E – Vacant Area W – Residential S – Existing OHT
9	14	Zone 66 TVS Park-I	77	25.00	855	4771	TS.No. 88, 89	TVS Nagar Park	MMC	N – Commercial Building E – Commercial Building W – School S – Industry
10	15	Zone 64 TVS Park II (Kambar School)	77	25.00	855	4771	TS.No. 88, 89	TVS Nagar Park	MMC	N – Residential E – Commercial Building W – School S – Industry
11	16	Zone 67 Muthupatty	93	20.00	707	1000	Rs No. 440/2, 2	Vacant Site	MMC	N – Existing Pumping Station E – Commercial Building W – Vacant Land S – Residential
12	17	Zone 47 Thideer Nagar	85	30.00	907	1800		Vacant Site	MMC	N – Residential E – Residential W – Residential S – Residential









Sl. No	OHT No.	Proposed OHT Name/Area	Ward No.	OHT Capacity (LL)	Area Required to Construct OHT (in Sqm)	Land Area Available (in Sqm)	Land Detail Survey No.	Classification	Ownership Department	North, South, East, West side bounded details
13	19	Zone 48 Valai Thoppu	69	25.00	855	2080	TS No. 2597	Vacant Site	MMC	N – Residential E – Railway Track W – Commercial Building S – Commercial Building
14	20	Zone 45 AVSS HOSPITAL Area	57	20.00	707	5284	TS No. 11, V/17	Vacant Site	MMC	N – Vaigai River E – Residential W – Corporation Land S – Residential
15	21	Zone 52 Meenakshi Nagar	53 & 55	15.00	531	2860	TS No. 118	Vacant Site	MMC	N – Vaigai River E – Service Station W – Residential S – Residential
16	23	Zone 73 Muniyandi Kovil	75 & 100	4.00	201	1156	TS No. 482 XXII – 620	Existing Toilet&Vacant Site	MMC	N – Vacant Area E – Vacant Area W – Temple S – Vacant Area
17	24	Zone 69 Muthuramalingapuram OHT	100	5.00	201	2236	TS No. 35/1A	Vacant Site	MMC	N – EB Sub Station E – Residential W – Vacant Area S – Private Land
18	25	Zone 1 Semparuthi Nagar	23	18.00	615	2881	TS No. 187/15, 187/6	Vacant Site	MMC	N – Vacant Area E – Residential W – Residential S – Vacant Area
19	29	Zone 6 Indira Nagar (Old Composting Yard)	1	15.00	531	2795	Ts No. 73/4, 74/2	Side of VilangudiKanmoi	MMC	N – Industry E – Vacant Area W – VilangudiKanmoi

Sl. No	OHT No.	Proposed OHT Name/Area	Ward No.	OHT Capacity (LL)	Area Required to Construct OHT (in Sqm)	Land Area Available (in Sqm)	Land Detail Survey No.	Classification	Ownership Department	North, South, East, West side bounded details
										S – Vilangudi Kanmoi
20	30	Zone 7 Park Town	5	13.00	491	1591	TS No. 3865	Meena-kshi Nagar Park	MMC	N – Residential E – Existing OHT W – Residential S – Vacant Area
21	32	Zone 23 E.B Colony	24	18.00	615	1088	TS No. 79/4	Vacant Site	MMC	N – Residential E – Vacant Area W – Residential S – Residential
22	34	Zone 25 Santhanam Nagar (Bharath Nagar)	25	20.00	707	1591	TS No. 132/1	Vacant Site	MMC	N – Residential E – Residential W – Residential S – Vacant Area
23	35	Zone 22 Island Nagar	48	12.00	452	1110	TS No. 51/2	Vacant Site	MMC	N – Residential E – Vacant Area W – Residential & Temple S – Aathikulam Kanmoi
24	37	Zone 24 Poriayar Nagar 8th Cross Street	25	7.00	314	1657	TS No. 158 (P)/160 (P) B	Vacant Site	MMC	N – Temple E – Kannanendhal Kanmoi W – Residential S – Residential
25	39	Zone 29 Shenbagathottam (Anna Nagar LIG Colony)	33 & 34	25.00	855	3150	TS No. 42	Corp Park	MMC	N – Residential E – Residential W – Residential S – Park


Sl. No	OHT No.	Proposed OHT Name/Area	Ward No.	OHT Capacity (LL)	Area Required to Construct OHT (in Sqm)	Land Area Available (in Sqm)	Land Detail Survey No.	Classification	Ownership Department	North, South, East, West side bounded details
26	41	Zone 54 Chinna Anupanandi Housing	56	15.00	531	1470	RS No. 198	Vacant Site	MMC	N – Residential E – Vacant Area W – Vacant Area S – Vacant Area
27	42	Zone 53 Gurunathar Koil	58	12.00	452	1591	TS No. 103/1	Vacant Site	MMC	N – Urban Health Centre E – Vacant Area W – Temple S – Residential
28	43	Zone 57 MMC COLONY -I	94	15.00	531	19360	TS No. 386	Vacant Site	MMC	N – Residential E – Vacant Area W – Proposed OHT S – Vacant Area
29	44	Zone 58 M.M.C Colony- II	94	10.00	415	19360	TS No. 386	Vacant Site	MMC	N – Residential E – Proposed OHT W – Residential S – Vacant Area
30	45	Zone 56 Villapuram	61	10.00	415	3957	RS No. 411	Inside of Avaniya-puram WS Pumping Station	MMC	N – Corporation Building E – Residential W – Industry S – Industry
31	47	Zone 60 Vellakkal	94	11.00	415	7400	TS No. 156	Vacant Site	MMC	N – Vacant Area E – Vacant Area W – Vacant Area S – Corp Pump Station





Sl. No	OHT No.	Proposed OHT Name/Area	Ward No.	OHT Capacity (LL)	Area Required to Construct OHT (in Sqm)	Land Area Available (in Sqm)	Land Detail Survey No.	Classification	Ownership Department	North, South, East, West side bounded details
32	48	Zone 75 Harveepatti	97	10.00	415	1455	TS No. 151	Vacant Site	MMC	N – Park E – Corporation Office W – Residential S – Residential
33	49	Zone 81 Kurinji Nagar	98	5.00	201	4080	TS No. 105, 106	Vacant Site	MMC	N – Vacant Area E – Vacant Area W – Residential S – Residential
34	50	Zone 77 Balaji Nagar	99	5.00	201	2284	TS No. 120	Vacant Site	MMC	N – Water Body E – Residential W – Residential S – Residential
35	51	Zone 70 Moolakarai Sump (Muthuramalingapura m - Same Site)	100	3.00	113	680	TS No. 44, 45	Vacant Site	MMC	N – Vacant E – Vacant W – Vacant S – Existing Sump
36	53	Zone 27 Ulaganeri & High Court (12 LL)	28	12.00	452	2444	RS No. 1 (Vandiyur 1 st Pit))	Vacant Site	MMC	N – Residential E – Residential W – Vandiyur Pond S – Vandiyur Pond
37	54	Zone 28 Pandiyan Nagar	29	25.00	855	1184	TS No. 21	Vacant Site	MMC	N – Residential E – Vacant Area W – Residential S – Water Body

Overhead Tank (OHT) Site Photographs – Madurai	
OHT-2 Anaiyur Composting Yard-I (Sellur Kanmoi)	OHT-3 Sellur Lorry Stand
	
OHT-4 (site changed) Anaiyur Composting Yard-I (Sellur Kanmoi)	OHT-6 SMP Colony
	
OHT-7 K K Nagar - Central Veg. Market	OHT-10 Arapalayam Two Wheeler Parking
	
OHT-12 VKP Nagar, Madakulam	OHT-13 Kochadai
	
OHT-14	OHT-15

Overhead Tank (OHT) Site Photographs – Madurai	
TVS Park, Sathya Sai Nagar	TVS Park, Sathya Sai Nagar
	
OHT-16 Muthupatty	OHT-17 Thideer Nagar
	
OHT-19 Valai Thoppu	OHT-20 AVSS Hospital, behind MPS, Santhaipeitai
	
OHT-21 Meenakshi Nagar	OHT-23 (site changed) Muniyandi Kovil
	

Overhead Tank (OHT) Site Photographs – Madurai	
OHT-24 Muthuramalingapuram	OHT-25 Semparuthi Nagar
	
OHT-29 Indira Nagar	OHT-30 Park Town
	
OHT-32 (site changed) E.B Colony	OHT-34 Bharath Nagar
	
OHT-35 Island Nagar	OHT-37 (site changed) Poriyalar Nagar 8th Cross Street
	

Overhead Tank (OHT) Site Photographs – Madurai	
OHT-39 Shenbagathottam	OHT-41 Chinna Anupanandi Housing
	
OHT-42 Gurunathar Koil	OHT-43&44 Note: Both OHTs are proposed at the same location. MMC Colony
	
OHT-45 Villapuram	OHT-47 Vellakkal
	
OHT-48 Harveepatti	OHT-49 Kurinji Nagar
	

Overhead Tank (OHT) Site Photographs – Madurai	
OHT-50 Balaji Nagar	OHT-51 Moolakarai Sump
	
OHT-53 Ulaganeri	OHT-54 Pandiyan Nagar
	

SITE SPECIFIC CONSULTATIONS AROUND OVERHEAD TANKS (OHT) - Madurai		
OHT 14&15 - TVS Nagar Park, Sathya Sai Nagar		
		
		
<ul style="list-style-type: none"> The site identified for two OHTs is within a park which is frequently used by nearby residents. People participated in consultation expressed willingness to construct OHTs as it will help improve water problem in their area. However, it was advised not to demolish public toilet within premises which is useful for women, children and elderly people. Corporation will provide footprint of OHTs-to the scale confirming their exact locations within the premises. Public toilet is located at one corner and is operated on pay-and-use basis by a self-help-group (Veerakali Amman). The SHG has signed a contract with Corporation, which is renewable on yearly basis. Earlier, this park was used by TVS school which is located nearby. Discussions with school principal and other staff indicated that earlier the park was maintained by the school, but they no longer use the park or maintain it. The school has its own school playground. 		
OHT 19 - Valai Thoppu		
		
<ul style="list-style-type: none"> The site was used as a park 3-4 years ago, but later Corporation started dumping solid waste at the site. Dumping of solid waste was stopped after continuous opposition from residents, however, the park infrastructure is not yet restored back. The site is currently used for tying animals (5-6 nos.). The cattle owners did not express any dissatisfaction regarding the proposed facility location during the consultation and will move their cattle to nearby locations. Adequate space is available for development of park and construction of OHTs. Residents welcomed the idea of having OHT within this site. However, indicated that the site should be cleaned properly before the start of work as it is creating health and hygiene issues in the area. Corporation will provide footprint of OHT-to scale confirming its exact location within the premises and consider the development of park parallelly. 		

SITE SPECIFIC CONSULTATIONS AROUND OVERHEAD TANKS (OHT) - Madurai

OHT 21 - Meenakshi Nagar



- The site is located adjacent to the river, place which is currently used by nearby residents to tie their cattle. Some of these people are washer men and indicated that alternate access to the river is available. They have blocked this route by tying animals to prevent illegal sand mining from the river.
- All participants expressed support for construction of OHT at identified location and indicated that they all will be shifting as their houses will be demolished soon for a new flyover. OHT site is not a part of the flyover route and is not located very close to it. Participants also indicated that they have received compensation for new housing. Corporation will provide footprint of OHT-to the scale confirming exact location within the identified site and without disturbing the community's access to river.

OHT 23 - Muniyandi Kovil



- The site identified is designated as a park site, however no park is developed yet. The surrounding area is sparsely developed and has an ayurvedic factory close-by. The site has one old public toilet (built by corporation) which is not in use. It is proposed to demolish the same and build OHT.
- Nearby residents welcomed the construction of OHT which can help solve water scarcity in their area. Corporation will provide footprint of OHT-to scale, confirming its exact location within the identified site.

OHT 25 - Semparuthi Nagar



- The identified site is designated as a park site, located on the outskirts of the city within a developing residential area. No park is developed yet. All participants welcomed the construction of OHT as currently there is no municipal supply in the area. People buy water for drinking. Residents also expressed that Corporation should also develop park parallelly as they are proposing to use the park site for municipal work.
- Corporation will provide footprint of OHT-to scale confirming the exact location within the identified site and that there is remaining land available for development of park.

SITE SPECIFIC CONSULTATIONS AROUND OVERHEAD TANKS (OHT) - Madurai		
OHT 32 - EB Colony		
		
		
<ul style="list-style-type: none"> The identified site is Corporation land and has permanent bus stand cum shopping complex within it. This needs to be demolished for OHT construction. Bus stand has two shops (barber and general store) on rent while an additional shop (ironing) with temporary material is constructed within remaining bus stand shed. Affected businesses are currently not paying any rent to the Corporation though they have been operating at the location for 6-10 years. They indicated willingness to shift and required adequate notice to vacate. They indicated that they may get similar properties on rent in the vicinity but shifting may affect their business for some time. A detailed socio-economic survey of three Affected persons is conducted, and they were informed that they will be compensated as per the project policies. Corporation will provide footprint of OHT- to the scale drawing to show OHT fits into identified site. The bus stand is no more used as bus stop and need not be reconstructed. 		
OHT 34 - Bharath Nagar		
		
<ul style="list-style-type: none"> The site visit and consultation were proposed to confirm if there is any site change. The site selected is Corporation land and already has an OHT within the premises. Nearby residents welcomed construction of OHT within same premises. 		
OHT 35 - Island Nagar		

SITE SPECIFIC CONSULTATIONS AROUND OVERHEAD TANKS (OHT) - Madurai

- Consultation was conducted with the affected person whose house was demolished for the construction of OHT. A detailed socio-economic survey is conducted to compensate losses and it was informed to the affected persons that he will be adequately compensated as per the project policy.
- Behind the identified site is a temple constructed by a lady who is widow and stays alone in a rented house nearby. Apart from her small catering business, this temple is her additional source of income. Construction of OHT may create access loss to this temple and hence can affect her income. It was advised that Corporation will leave 2m access road from the main road till the temple as the remaining land is adequate for the construction of OHT. Measurements were taken on the site to confirm this. Corporation will provide footprint of OHT-to the scale drawing to show OHT within identified site and giving access to the temple.

OHT 37 - Poriyalar Nagar 8th Cross Street

- The site is within Madurai Metropolitan Development Authority (MMDA) layout and is classified as a common area. The site is used as a playground and there is another park/children's play area within the same layout. A few residents, staying adjacent to the site, strongly opposed the construction of OHT. The reasons stated were that the soil is not good quality and it may affect their view, as they have thoughtfully selected house site next to open area. According to them it will affect resale value of their house.
- Other residents from the same colony including the Residents' Welfare Association Committee members had a different opinion and welcomed the construction of OHT. According to them, adequate space is available for both OHT and playground. However, they advised to fence the OHT space properly, for children's safety .
- It was advised to conduct additional consultations with all residents including those who have expressed dissent, get their consent and attach in the resettlement plan. During the consultations, the Corporation will also provide footprint of OHT-to scale drawing to show the OHT within the identified site and the remaining area for the playground.

OHT 41 - Chinna Anupanandi Housing

SITE SPECIFIC CONSULTATIONS AROUND OVERHEAD TANKS (OHT) - Madurai

- The site is Corporation land, and used as playground. The site already has one OHT and a new OHT will be constructed adjacent to it. The playground is used by nearby government school (AHM School) with around 1,500 students for all their sports and other activities as they do not have any play area within the school campus. Discussions with school staff indicated that there should not be a problem as playground is a huge area and OHT will require only small area on one side. They welcomed the construction of OHT as it will be beneficial to the residents and school as well.
- The nearby residents also welcomed the construction of OHT. Corporation will provide footprint of OHT-to scale drawing to show the location of OHT within the identified site and the remaining area for the playground.

OHT 42 - Gurunathar Koil

- The identified site is Corporation land and has a government primary health center and an existing OHT. Initially, it was proposed to construct the new OHT in a corner, which has a temple behind. It was hence advised that new OHT should be constructed alongside of the existing one as it may visually disturb the temple. Corporation will provide footprint of OHT-to the scale drawing to show OHT within identified site.
- Primary health center workers indicated that the area is trespassed by people and used for dumping of garbage as well. They expressed that the entire site should be properly fenced with only one access. OHT area should also be bifurcated properly. Health workers welcomed the construction of OHT as the area faces acute water shortage.

OHT 47 – Vellakkal

SITE SPECIFIC CONSULTATIONS AROUND OVERHEAD TANKS (OHT) - Madurai

- Site visit and consultation was conducted to confirm final site location for the OHT and inform the nearby residents about the same.
- There is always scarcity of water in this area as Corporation supply is only once in 5-7 days. Almost all residents purchase water by paying Rs. 15-35 per pot (15 litres) depending upon private vendor and season.
- All nearby residents in the area welcomed the construction of OHT at the proposed site as it will guarantee regular supply to the areas. They were ready to extend any support and expressed that there will not be any disturbance to their daily activities due to proposed construction. They also indicated that the site proposed for OHT belongs to Corporation and has been lying vacant from many years.

OHT 48 – Harveepatti

- The site identified is a park site and is frequently used by nearby residents and school children, a busy park area. The park already has two OHTs. In a circular shape park, one part is children's play area (kho-kho, kabbadi, cricket), one part has benches mainly used by senior citizens, one side has OHT and trees and one side has children's play instruments.
- All participants welcomed the OHT construction but advised that the location should be changed within the site so as not to disturb the kids play/playground area. It was advised that the new OHT should be constructed adjacent to the existing OHT, this may require cutting of branches of 1-2 trees.
- Participants also indicated that OHT area should be separated with proper fencing as currently many children go there and it is risky to play in that area, and sometimes they climb on OHT staircase too. Corporation will provide footprint of OHT-to scale drawing to show the OHT within the identified site/adjacent to the existing OHT.

OHT 50 - Balaji Nagar

SITE SPECIFIC CONSULTATIONS AROUND OVERHEAD TANKS (OHT) - Madurai

- The identified site is a park site and is frequently used by nearby residents. Participants welcomed the construction of OHT on one side which is not used by anyone as it has a defunct well. This place is also used for keeping solid waste related carts/equipment. Residents also expressed the need for a tap/water connection for gardening and watering as the park is very dry and there is no shade and more trees need to be planted.
- Corporation will provide footprint of OHT- drawing to scale, to show the location of the OHT within the identified site.

ESTIMATION OF TEMPORARY IMPACTS

The total length of clear water mains, raw water mains and feeder mains (100%) was surveyed for potential temporary economic impacts. In addition, transect walks and surveys of businesses along sample stretches of feeder network and distribution network alignment were undertaken for estimation of temporary impacts in representative road sections in areas where such pipelines are likely to be proposed. The total length of proposed feeder network alignment in Madurai is 95 km, of which inventory of loss and business surveys were conducted for three 500 m stretches (total 1.5 km) in high, medium and low-density areas, respectively. Likewise, the total length of proposed distribution network alignment in Madurai is 200 km, of which inventory of loss and business surveys were conducted for three 500 m stretches (total 1.5 km) in high density, medium density and low-density areas, respectively.

Transect walks were conducted using a standard format for recording details at 10m intervals and a checklist to gather socio-economic details on affected persons and businesses. Transect walks were conducted by the survey team along with PIU engineers and PPTA social safeguards specialist along proposed pipeline lengths, as explained in the paragraph above.

Based on the data gathered from the transect walks and business surveys and confirmation with project preparation engineers and concerned PIU officials, the extent of temporary impacts were estimated/projected for the entire stretch of feeder network, as also for the total length of distribution network, based on inputs from local engineers on length of high density/high impact roads, medium density/medium impact roads and low density/low impact roads. The engineers also provided an estimate of the potential duration of impact for different diameters of pipes, which was used for the purpose of computation of compensation in the draft resettlement plan budget. The actual compensation to each affected person will be based on the entitlement matrix provisions for temporary impacts. Information captured through transect walks and business surveys is presented in Chapter III Socioeconomic Information and Profile, of the Resettlement Plan.

The following format is recommended for a survey of businesses to determine income loss during Detailed Measurement Survey. For any other type of loss, the sample format for Inventory of Loss Survey provided in the resettlement framework may be used.

CHECKLIST FOR TRANSECT WALKS - SOCIO-ECONOMIC SURVEY OF AFFECTED BUSINESSES / SAMPLE FORM FOR SURVEY OF BUSINESSES UNDER DETAILED MEASUREMENT SURVEY




Date of Survey	Serial No.				
Name of road	Address/Location:				
Name of affected person					
Father/ Mother's name					
Type of business/hawker					
Status	Owner		Tenant		
	If owner: Titled		Non-titled		
	Mobile		Permanent		
Description of structure					
Since when operating in					
Frequency of operation in a week	Daily	2-3 days/week	1 day/week	Half day	Full day
Person(s) employed if any	No.				

Maintenance / Rent	Rs. per annum or month,	
Investment (recurring)	Rs./ month	
Average profit per day	Rs.	
Salaries paid to employees	Rs./month	
Highest profits recorded in	Hours (AM/PM) _____ Weekend/Weekday (specify days) _____	
Will employee(s) be	Yes/No	
Whether any affected person is	BPL/WHH/disabled/backward community/IP/elderly/child worker/non-titleholder	
No. of dependents of owner		
No. of dependents of		
Whether road RoW used	Parking/Display of wares/Storage/Other purpose, specify	
Type(s) of distress likely		
Views/Concerns		

Note: BPL=below poverty line; WHH=woman headed household / Chief Wage Earner is a woman; IP=indigenous peoples; ROW=right of way

LAND RECORDS AND CERTIFICATIONS

1. Permission to Draw Water

018532 ABSTRACT

Water Resources Department – Combined Water Supply Schemes- Drawal of water by Tamil Nadu Water Supply and Drainage Board to Theni, The Nilgiris, Dindigul, Madurai and Coimbatore Districts from Government Sources- Schemes Recommended by the Technical Sub-Committee involving drawal of water of 1 MGD and above – Approved by the Water Utilisation Committee – Permission Granted- Orders- issued.

G.O (4D) No.6 **Dated : 23.7.2018**
விளம்பி, ஆடி 7
திருவள்ளூர் ஆண்டு 2049

Public Works (W2) Department

Read:-

1. G.O. (Ms) No. 700, Public Works Department, dated 18.10.1996.
2. G.O.(Ms) No.242, Public Works Department, dated 28.11.2006.
3. From the Engineer-in-Chief, Water Resources Department Chennai Letter No. S7(?) / 72908/OT-V/1996, dated 18.12.2017.

Read also:-

ORDER:-

In his letter third read above the Engineer-in-Chief, Water Resources Department, Chennai has forwarded the proposal of water supply schemes, involving drawal of water of 1 MGD (Million Gallon per Day) and above from Government sources which were already approved in the 40th Technical Sub-Committee meeting and recommended to place before the Water Utilisation Committee, for consideration and clearance.

2. Based on this, The Water Utilization Committee meeting held on 20.12.2017 under the Chairmanship of the Principal Secretary to Government, Public Works Department approved the proposals submitted by the Tamil Nadu Water Supply and Drainage Board and Madurai Corporation which were recommended by the Technical Sub-committee in its 40th meeting.

3. After careful examination, the Government have decided to accept the recommendations of the Water Utilization Committee and permit the Tamil Nadu Water Supply and Drainage Board in Theni, The Nilgiris, Dindigul and Coimbatore Districts and Madurai Corporation to draw water from the respective sources, as detailed below subject to the usual terms and conditions which are appended to this order.

- (i) for drawal of 2.08 mgd of surface water from the pickup weir on the downstream side of Vaigai Dam in Theni District for providing CWSS to Vadugapatty Town Panchayat and 57 other Rural Habitations in Peiryakulam Union and Horticulture College in Theni District Battlagundu Town, Panchayat in Dindigul District.
- (ii) for drawal of 12.74 mld of surface water from Emerald Reservoir in The Nilgiris District for providing Combined Water Supply Scheme (CWSS) to Coonoor Municipality, Wellington Military Station and Pasteur Institute of India, Coonoor.
- (iii) for drawal of 1.42 mgd (6.46 mld) of surface water from Keel Gundar River through a leading channel on the upstream side of proposed check dam in Keel Gundar River for providing Water Supply Improvement Scheme (WSIS) to Kodaikanal Municipality, in Dindigul District.
- (iv) for drawal of 125mld (27.50mgd/51.09cusecs), for dedicated Water Supply Scheme for Madurai Corporation from Mullai Periyar River at Lower Camp being the intermediate stage requirement as of the year 2034, subject to the conditions that the Madurai Corporation to design the Scheme for drawal of Water from Mullai Periyar River in holistic manner such that waste water generated in Madurai Corporation has to be collected, treated and reused to avoid reduction in water supply to irrigation and subject to the usual terms and conditions stipulated by Chief Engineer, Water Resources Department, Madurai region.
- (v) for a quantum of 178.30 mld from Bhavani barrage – I at Samayapuram being the intermediate stage requirement as of the year 2035 for Water Supply Improvement Scheme to Expanded Coimbatore Corporation including newly merged areas with River Bhavani as source.
- (vi) wherever intermediate water requirement is approved by Water Utilisation Committee, Tamil Nadu Water Supply and Drainage Board or other organizations may approach Water Utilisation Committee afresh at the appropriate time regarding review and approval for their ultimate water requirement.

4. The Engineer-in-Chief, Water Resources Department, and Chief Engineer (General), Chennai and respective Regional Chief Engineers are also directed to permit the Tamil Nadu Water Supply and Drainage Board in Theni, The Nilgiris, Dindigul and Coimbatore Districts and the Madurai Corporation to draw the specified quantity of water from the specified places subject to the terms and conditions stipulated in the annexure to this order. Water charges shall be levied in accordance with the orders in force.

(By order of the Governor)

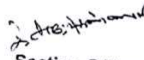
S.K. Prabakar
Principal Secretary to Government

To
The Additional Chief Secretary and
Commissioner of land Administration, Chepauk, Chennai-5.

3

The Engineer-in-Chief, Water Resources Department, and
 Chief Engineer (General), Public Works Department, Chennai-5.
 The Chief Engineer, Water Resources Department,
 Coimbatore Region, Coimbatore.
 The Chief Engineer, Water Resources Department,
 Madurai Region, Madurai.
 The Managing Director,
 Tamil Nadu Water Supply and Drainage Board, Chennai - 5.
 The District Collectors,
 Theni District, The Nilgiris District, Dindigul District,
 Madurai District and Coimbatore Districts
 The Commissioner, Corporation of Madurai, Madurai
 The Additional Chief Secretary to Government,
 Industries Department, Secretariat, Chennai - 9.
 The Principal Secretary to Government,
 Municipal Administration & Water Supply Department,
 Secretariat, Chennai - 9.
 The Agriculture production, Commissioner and Principal Secretary to Government,
 Agriculture Department, Secretariat, Chennai - 9.
 The Chief Engineer, State Ground & Surface Water Resources Data Centre,
 Water Resources Department, Chennai - 113.
 The Chief Engineer, Plan Formulation, Chennai-5
 The Chief Engineer, Design Research and Construction Support,
 Water Resources Department, Chennai - 5.
 The Commissioner of Agriculture, Chennai - 5.
 The Engineering Director, Tamil Nadu Water Supply and Drainage Board, Chennai - 5.
 The Chief Engineer, Operations and Maintenance, Chepauk, Chennai-5.
 The Chief Engineer and Director, Institute of Water Studies,
 Water Resources Department, Taramani, Chennai - 113.
Copy to:
 The Hon'ble Chief Minister's Office, Chennai - 9.
 The Resident Audit Officer,
 Office of the Principal Accountant General
 (General and Social Sector Audit),
 Tamil Nadu Secretariat, Chennai-9.
 The Principal Accountant General (Audit-I), Chennai - 18.
 Stock File /Spare Copy

// Forwarded by order//


 Section Officer

Annuxure of G.O. (4D) No.6, Public Works (W2) Department, Dated 23.7.2018

**Conditions for drawal of water from Government sources by the TWAD Board/
Madurai Corporation**

1. The Technical and Economical – viability of the scheme will be left to the Tamil Nadu Water Supply and Drainage Board (TWAD)/ Madurai Corporation.
2. The present drawal should not affect the existing water supply to the nearby villages etc.,
3. The construction of collection wells cum pump house should not obstruct the free flow of water in the river and the location should be decided in consultation with the Chief Engineer, Water Resources Department of the concerned Region.
4. The proposed tapping point for the present proposal should be 500 metre away from the abstractions area in the River near the existing collection wells, if any available for the water supply scheme.
5. No damages should be caused to the riverbanks during the process of laying pipelines across the river. If any damages are caused, it should be rectified by the TWAD Board/ Madurai Corporation at their cost.
6. Free flow of water in the river should be ensured.
7. Laying of pipe lines should be done at least 1.5 m below the deepest bed level of the river.
8. Necessary protective works for the riverbanks on either side should be made where the pipelines cross the river.
9. The construction works in the river should be executed only in the presence of the field officers of Water Resources Department, PWD.
10. The TWAD Board, Municipality, Panchayats, etc.,/ Madurai Corporation should not come up with any request for special release of water for recharging the bed of the river during non-flow season.
11. The TWAD Board, Municipality, Panchayat etc., / Madurai Corporation have to pay necessary royalty charges (fixed by the Government from time to time) for the industrial and commercial demands.
12. Measuring devices (water meter) must be provided by the TWAD Board/ Madurai Corporation to calculate the quantity of water drawn out of the above source.

5

- Approaches for checking the water meter must be provided by the TWAD Board/ Madurai Corporation.
13. The proposed drawal quantity of water should not be exceeded in future without the approval of the Water Utilisation Committee and the Government.
 14. An agreement is to be executed by the TWAD Board/ Madurai Corporation with Water Resources Department, Public Works Department for drawal of water.
 15. Concurrence of the District Collector should be obtained before commencement of the scheme.
 16. Resolution of the local body should be obtained before commencement of the scheme.
 17. Necessary treatment plants should be established with adequate infrastructure for collection of sewage and sullage and treated effluent of accepted standards should be allowed to be discharged anywhere within the sub basin for ground water recharging with separate recharging structures.

S.K. Prabakar
Principal Secretary to Government

// True copy//


Section Officer

2. Stakeholder Consultation at Intake

Minutes of meeting for "Dedicated Water Supply Scheme for Madurai Corporation from Mullai Periyar at Lower Camp" held at Uthamapalyam Town Panchayat office on 13.03.2018.

Officers Present:

Sl.No.	Name	Designation
1	Thiru.P.Manivannan	Deputy Commissioner Madurai Corporation
2	Thiru.A. Mathuram	City Engineer, Madurai Corporation
3	Thiru J.Balasanmugam	Thasildhar, Uthamapalayam Taluk, Theni District
4	Thiru. M.Suruli	Head Quarters Thasildhar, Uthamapalayam Taluk, Theni District
5	Thiru S.Ram Kumar	VAO, Mela Gudalur(South)
6	Thiru.M.Asokan	Village Assistant Mela Gudalur(South)
7	Thiru.B.Karutha pandiyan	AEE/VWS, Madurai Corporation
8	Thiru.P.Mani	JE, Pannaipatti, WTP, Madurai Corporation

Farmers present:

Sl.No.	Name	Address/Place
1	Thiru P.Gopal	Lower Camp
2	Thiru.VethaMuthu	Lower Camp
3	Thiru.R.S.Paramaraj	Gudalur
4	Thiru.P. Murugesan	Gudalur
5	Thiru. Veerbabu	Gudalur
6	Thiru. Asokan	Lower Camp

The meeting started with a welcome by Thiru.P. Manivannan, Deputy Commissioner of Madurai Corporation. The City Engineer, Madurai Corporation has explained the importance of the "Dedicated Water Supply Scheme for Madurai Corporation from Mullai Periyar at Lower Camp" and explains the Madurai City Population growth, facilities available, existing drinking water details etc, and the Project Area. At the outset of presentation the following points have been discussed.

- The project head works located in the private land near Lower Camp in Mullai Periyar River and land acquisition has to be made. The City Engineer has requested the land owner to give land for construction of intake well and other components of the project with good opinion.
- The City Engineer further explained the pipeline alignment of the project , the land owner, Thiru Veerbabu has requested the pipeline alignment to be fixed without affecting agricultural land of the farmers
- All the farmers presented in the meeting and have requested that less numbers of farmers were attended in the meeting; hence the meeting proposed to convened at Gudalur on 17.03.18 for explaining the project details and getting good opinion from farmers.
- It is was decided to convene the public hearing meeting for implementing Dedicated Water Supply Scheme for Madurai Corporation from Mullai Periyar at Lower Camp with farmers meeting at Gudalur on 17.03.18 for further discussion.

At the outset of discussion Thiru.A.Mathuram, City Engineer, Madurai Corporation thanked everyone for attending the meeting and expressing their views and suggestions for the implementation of the project.


City Engineer
Madurai Corporation

Minutes of meeting for “Dedicated Water Supply Scheme for Madurai Corporation from Mullai Periyar at Lower Camp” held at Gudalur Municipality office Conference on 17.03.2018.

Officers Present:

Sl.No.	Name	Designation
1	Thiru.P.Manivannan	Deputy Commissioner Madurai Corporation
2	Thiru.A. Mathuram	City Engineer, Madurai Corporation
3	Thiru J.Balasanmugam	Thasildhar, Uthamapalayam Taluk, Theni District
4	Thiru. M.Suruli	Head Quarters Thasildhar, Uthamapalayam Taluk, Theni District
5	Thiru S.Ram Kumar	VAO, Mela Gudalur(South)
6	Thiru.M.Asokan	Village Assistant Mela Gudalur(South)
7	Thiru.B.Karutha pandiyan	AEE/VWS, Madurai Corporation
8	Thiru.P.Mani	JE, Pannaipatti, WTP, Madurai Corporation

Farmers / Public Present:

S.I.No:	Name	Designation
1.	C. Dravidamani	Advisor, Makkal Mantram
2.	V.Krishnamurthy	Assistant president, Makkal Mantram
3.	P.A. Mahindra	Makkal Mantram
4.	P.K.R.	N.S.K. & Farm Manager
5.	K.P.M. Matharsha	President, Makkal Mantram
6.	K.S. Veerbabu	All Farmers Association
7.	K. Shajahan	Secretary, Association for City welfare Service
8.	K. Prakhas	Farmer
9.	S. Prabhakaran	Reporter, Dinamani

10.	S.S.Murugan	Reporter, Dinathanthi , Malaimazhar
11.	P.Pandikumar	Reporter, Danthi TV
12.	N.Senthil kumar	Natural Farmers Association, Theni District
13.	M.Natarajan	Gudalur
14.	C. Silambarasan	General Secretary for Youth, Theni District
15.	D.Raju	Farmers Association
16.	N.Jeyapal	Farmer – Treasurer
17.	V. Kodiarasan	Farmer
18.	N. Mohamed Ibrahim	Gudalur
19.	K. Sangappan	Gudalur
20.	R. Karnan	Gudalur
21.	M.Senkuttuvan	Gudalur
22.	S. RamKumar	VAO, Mela Gudalur(South)
23.	Tmt.C.Saroja	Lower Camp

The meeting started with a welcome by Thiru.P. Manivannan, Deputy Commissioner of Madurai Corporation. The City Engineer, Madurai Corporation has explained the importance of the "Dedicated Water Supply Scheme for Madurai Corporation from Mullai Periyar at Lower Camp" and explain the Madurai City Population growth, facilities available, existing drinking water details etc, and the Project Area. At the outset of presentation the following points have been discussed.

1.The Following Members have stated in the Meeting about water shortage in the Theni District due to Implementation of "Dedicated Water Supply Scheme for Madurai Corporation. They have raised the same queries about water drawal from the Periyar Dam and whether it will affect the irrigation facilities of the farmer in the Theni District

1. Senguttuvan, Deputy Secretariat, All former association Theni District
2. Rajiv, District President, All farmer association Theni District
3. Senthilkumar, Deputy President, All farmer association Theni District
4. V.Krishnamoorthy, Public Association Gudalur
5. P.A Gajendran, Public Association Gudalur
6. K.P Matharsha, President Public Association Gudalur
7. Dhiravidamani, Public Association Gudalur
8. Subramanian, Public Association Gudalur

9. Veerbabu, All farmer association, Gudalur
10. Shajahan, All farmer association, Gudalur
11. Pudhurasu, Tamilnadu Consumer Organiser

The City Engineer Madurai Corporation has replied that in the Periyar Dam 100 cusecs is being released everyday during drought period for the drinking water demand of Madurai Corporation, but only 50 cusecs is being realized in Vaigai Dam the remaining quantity has been vanished as water loss and illegal tapping, to avoid this only 50 cusecs is proposed to draw from lower camp. This quantity will not affect the drinking water demand of the local bodies in between lower camp and vaigai dam.

2. In the Meeting Tmt.Saroja, The land owner of Proposed Head Works has agree to give her land for construction of intake wells and other components.

At the outset of discussion Thiru.A.Mathuram, City Engineer, Madurai Corporation thanked everyone for attending the meeting and putting forward their suggestions for the implementation of the project.


17/3/18
City Engineer
Madurai Corporation

தேனி மாவட்டம் கூடலூர் நகராட்சி அலுவலக கூட்டறங்கில் மதுரை மாநகராட்சி துணை ஆணையாளர் மற்றும் தலைமை பொறியாளர் அவர்களின் முன்னிலையில் குடிநீர் திட்டம் சம்பந்தமாக 17-03-2018-ம் தேதி நடைபெற்ற ஆய்வுக்கூட்டத்தில் வரப்பெற்ற ஆட்சேபணை / கருத்துகள் விவரம்.

1. செங்குட்டுவன், அனைத்து விவசாயிகள் சங்கம், மாநில துணைச்செயலாளர்

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்வதற்குப் ஆட்சேபணை தெரிவித்தும், மேலும், இதற்கு பதிலாக வைகை அணையில் இருந்து எடுத்துக்கொள்ளுமாறும் கோரியுள்ளார்.

2. ராஜீவ், தேனி மாவட்ட விவசாய சங்க நிர்வாகத் தலைவர்.

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்வதற்குப் ஆட்சேபணை தெரிவித்தும், மேலும், இதற்கு பதிலாக வைகை அணையில் இருந்து எடுத்துக்கொள்ளுமாறும் கோரியுள்ளார்.

3. செந்தில்குமார், தேனி மாவட்ட விவசாய சங்கத் தலைவர்.

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்வதற்குப் ஆட்சேபணை தெரிவித்தும், மேலும், இதற்கு பதிலாக வைகை அணையில் இருந்து எடுத்துக்கொள்ளுமாறும் கோரியுள்ளார்.

4. ராஜீவ், தேனி மாவட்ட விவசாய சங்கத் தலைவர்.

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்வதற்குப் ஆட்சேபணை தெரிவித்தும், மேலும், இதற்கு பதிலாக வைகை அணையில் இருந்து எடுத்துக்கொள்ளுமாறும் கோரியுள்ளார்.

5. வி.கிருஷ்ணமூர்த்தி, மக்கள் மன்றம், கூடலூர்.

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்வதற்குப் ஆட்சேபணை தெரிவித்தும், மேலும், இதற்கு பதிலாக வைகை அணையை தூர்வாரி அதிலிருந்து குடிநீருக்கு எடுத்துச் செல்லுமாறு கோரியுள்ளார்.

6. பி.எ.கெஜேந்திரன், மக்கள் மன்றம், கூடலூர்.

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்லும் திட்டத்தை கைவிடுமாறு ஆட்சேபனை தெரிவித்தும், மேலும், இதற்கு பதிலாக வைகை அணையை தூர்வாறி அதிலிருந்து குடிநீருக்கு எடுத்துச் செல்லுமாறு கோரியுள்ளார்.

7. கே.பி.மதாளா, தலைவர், மக்கள் மன்றம், கூடலூர்.

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்லும் போது இம்மாவட்டத்தில் நீர்ப்பற்றாக்குறையு ஏற்படுவதுடன் நிலத்தடி நீர்மட்டமும் குறைந்து விடும் என ஆட்சேபனை தெரிவித்துள்ளார்.

8. திராவிடமணி, மக்கள் மன்றம், கூடலூர்.

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்லும் போது இம்மாவட்டத்தில் நீர்ப்பற்றாக்குறையும் ஏற்படுவதுடன் விவசாய நிலங்களையும் கருத்தில் கொண்டு இத்திட்டத்தினை கைவிட கோரி ஆட்சேபனை தெரிவித்தும், இதற்கு கட்டும் எதிர்ப்பு தெரிவித்துள்ளார். மேலும் இதற்கு மறுபரிசீலனை செய்து வைகை அணையிலிருந்து குடிநீர் கொண்டு செல்லுமாறும் கோரியுள்ளார்.

9. சுப்பிரமணியன், மக்கள் மன்றம், கூடலூர்.

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்லும் போது இம்மாவட்டத்தில் நீர்ப்பற்றாக்குறையும் ஏற்படுவதுடன் விவசாய நிலங்களையும் கருத்தில் கொண்டு இத்திட்டத்தினை கைவிட கோரி ஆட்சேபனை தெரிவித்தும், இதற்கு கட்டும் எதிர்ப்பு தெரிவித்துள்ளார். மேலும் இதற்கு மறுபரிசீலனை செய்து மேலக்காலில் இருந்து குடிநீர் கொண்டு செல்லுமாறும் கோரியுள்ளார்.

10. வீரபாபு, அனைத்து விவசாய சங்கம், கூடலூர்.

முல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்லும் போது இம்மாவட்டத்தில் நீர்ப்பற்றாக்குறையும் ஏற்படுவதுடன் விவசாய நிலங்களையும் கருத்தில் கொண்டு இத்திட்டத்தினை கைவிட கோரி ஆட்சேபனை தெரிவித்தும், மேலும், இதற்கு பதிலாக வைகை அணையை தூர்வாறி அதிலிருந்து குடிநீருக்கு எடுத்துச் செல்லுமாறு கோரியுள்ளார்.

11. ஷாஜகான், அனைத்து விவசாய சங்கம், கூடலூர்.

மூல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்லும் போது இம்மாவட்டத்தில் நீர்ப்பற்றாக்குறையும் ஏற்படுவதுடன் விவசாய நிலங்களையும் கருத்தில் கொண்டு இத்திட்டத்தினை கைவிட கோரி ஆட்சேபனை தெரிவித்தும், மேலும், இதற்கு பதிலாக வைகை அணையை தூர்வாறி அதிலிருந்து குடிநீருக்கு எடுத்துச் செல்லுமாறு கோரியுள்ளார்.

12. புதுராசா, தமிழ்நாடு நுகர்வோர் ஒருங்கிணைப்பாளர், கூடலூர்.

மூல்லைப்பெரியாற்றிலிருந்து குழாய் மூலமாக குடிநீர் எடுத்துச்செல்லும் போது இம்மாவட்டத்தில் நீர்ப்பற்றாக்குறையும் ஏற்படுவதுடன் விவசாய நிலங்களையும் கருத்தில் கொண்டு இத்திட்டத்தினை கைவிட கோரி ஆட்சேபனை தெரிவித்தும், மேலும், இதற்கு பதிலாக வைகை அணையை தூர்வாறி அதிலிருந்து குடிநீருக்கு எடுத்துச் செல்லுமாறு கோரியுள்ளார்.

③

Madurai Corporation

Dedicated Water Supply Scheme for Madurai Corporation.

Meeting :

Date... 13.03.2018 **Time.....**

Venue :

Mullai Periyar meeting Hall

Sl. No.	Name	Designation	Signature
1	Mr. V. S. S. S. S. S.	...	...
2	...	...	...
3	P. S. S. S. S.	...	...
4	...	...	...
5	M. S. S. S.	...	...
6	S. S. S. S. S.	...	...
7	R. S. S. S. S.	...	...
8	P. S. S. S. S.	...	...
9	S. S. S. S.	...	...
10	P. S. S. S. S.	...	...
11	B. Karutha Pandiyar	AEK/VWS	...
12	A. M. M. M. M.	CB/Mdu. Corp	...

Madurai Corporation

சென்னை மாநகராட்சி நிர்வாக அலுவலகம்


Meeting:

Date: 17/3/18, Time: 12:00 AM.

Venue: மாநகராட்சி அலுவலகம்

Sl. No.	Name	Designation	Signature
1	C. Davidamani	மேன்மைப் பேரவைத் தலைவர்	
2	V. சிவசுப்பிரமணியன்	மேன்மைப் பேரவைத் தலைவர்	V. S.
3	Dr. A. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	Dr. A. S. Srinivasan
4	P. K. Panabathur	மேன்மைப் பேரவைத் தலைவர்	P. K. Panabathur
5	K. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	K. S. Srinivasan
6	K. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	K. S. Srinivasan
7	K. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	K. S. Srinivasan
8	K. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	K. S. Srinivasan
9	K. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	K. S. Srinivasan
10	S. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	S. S. Srinivasan
11	P. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	P. S. Srinivasan
12	N. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	N. S. Srinivasan
13	M. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	M. S. Srinivasan
14	C. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	C. S. Srinivasan
15	R. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	R. S. Srinivasan
16	N. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	N. S. Srinivasan
17	M. S. Srinivasan	மேன்மைப் பேரவைத் தலைவர்	M. S. Srinivasan

3. Documents Rhttps://www.tourism-of-india.com/tourist-visa-on-arrival-in-india.htmlrelated to Negotiated Settlement

<p>Madurai Corporation Aringar Anna Maligai Tallakulam, Madurai – 625 002</p>		<p>Ph : 0452-2530521 to 0452-2530526</p>
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Dr. Aneesh Sekhar, I.A.S.,
Commissioner

Ref. No.: Ma.Po. 3/034843 /2019 Dated. 18.02.19

To

Dr.S. Rajmohan
Chairman, Madurai CII
Sivagami Nagar, C.S. Nagar,
Madurai.

Sir,

Sub: Madurai Corpyration – AMRUT Scheme – Dedicated Water Supply Scheme for Madurai Corporation from Mullai Periyar at Lower Camp, Package 1 – Land Acquisition from Pumping Station – Details of Land – Sending – Reg.

Ref: G.O. (MS) No. 51, MA & WS (MC 2) Department, Dated. 23.05.2018.

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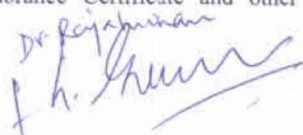
Under AMRUT Scheme, Dedicated Water Supply Scheme for Madurai Corporation is proposed for which the Detailed Project Report has been approved for Rs. 1020.00 Crore.

Construction of Head works at Raw Water Pumping Main for providing Dedicated Water Supply to Madurai City Municipal Corporation from Mullai Periyar to Lower Camp is the work proposed in Package 1.

For providing head works, a private land belongs to Tmt.C. Saroja w/o. Late.A. Chinnathambi of Lower Camp was identified. The details of the lands are

❖ Revenue Village	: Melakoodalur South
❖ Taluk	: Uthamapalayam
❖ District	: Theni
❖ S.F. No.	: 2400/2A & 2401/1
❖ Total Extent	: 1.93 Acre (or) 0.78.0 Ha

The guideline value details, Encumbrance Certificate and other copy of documents were collected.



Email: Rajamohan@envirocareindia.com
Mob: 9843052103

The land owner Tmt.C. Saroja has given consent for selling the land for the purpose Construction of head works for Raw Water Pumping Main.

Hence, it is requested to initiate the deed for the procurement of the proposed land detailed above for the purpose of housing the head pumping station in the Dedicated Water Supply Scheme for Madurai Corporation from Mullai Periyar at Lower Camp.


Commissioner

Encl:

The Copies of the land records.

Copy submitted to

The Chairman and Managing Director
Tamilnadu Urban Infrastructure Financial Services Limited (TNUIFSL)
No. 19, T.P. Scheme Road,
Raja Annamalaipuram, Chennai.

..2..

தேனி மாவட்டம், உத்தமபாளையம் தாலுகா மேலகூடலூர் தெற்கு லோயர் கேம்பர் புலன் எண். 2400/2A.-2401/1 பட்டா எண். 1544-ல் 193 ஏக்கர் அளவுள்ள மனையிடத்தில், மாநகராட்சி மூலம் குடிநீர் பிரதானக் குழாய் அமைக்கும் பொருட்டு ஏற்கனவே 1வது பார்ட்டியால் சம்மதம் தெரிவிக்கப்பட்டுள்ளது.

மேற்படி குடிநீர் பிரதானக் குழாய் அமைக்கும் பொருட்டு 2வது பார்ட்டி 1வது பார்ட்டிக்கு மொத்தமாக இழப்பீட்டுத் தொகையாக ரூ. 8,50,000/- (ரூபாய் எட்டு இலட்சத்து ஐம்பதாயிரம் மட்டும்) வீதம் 193 ஏக்கர் நிலத்திற்கு 16,40,500/- (ரூபாய் பதினாறு இலட்சத்து நான்காயிரத்து ஐந்துநூறு மட்டும்) வரங்க முடிவு செய்யப்பட்டுள்ளது. மேலும் அவற்றில் முதற்கட்டமாக அட்டவான்ஸ் தொகையாக ரூ. 1,00,000/- (ரூபாய் ஒரு இலட்சம் மட்டும்) 27.02.2019 நாளாகிய இன்று 2வது பார்ட்டி மூலம் 1வது பார்ட்டிக்கு வழங்கப்பட்டுள்ளது. மீதமுள்ள தொகை 2வது பார்ட்டி 1வது பார்ட்டிக்கு செலுத்தி கிரையப் பத்திரம் 2வது பார்ட்டியின் சொந்த செலவில் 15 தினங்களுக்குள் கிரையம் செய்து கொள்ள வேண்டியது.



1வது பார்ட்டி
C. S. Srinivasan

சாட்சிகள்:

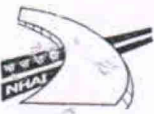
1) A M Kaleel Rehman.

2) 22/2/19
A M Kaleel Rehman

CITY ENGINEER
MADURAI CORPORATION

2வது பார்ட்டி
for CII Chairman,
R. Anbalagan.

4. NHAI permission to lay pipeline

	<p>भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (राष्ट्रक परिवहन और राजमार्ग मंत्रालय) NATIONAL HIGHWAYS AUTHORITY OF INDIA (Ministry of Road Transport and Highways) उप महाप्रबंधक (संरक्षणीय) सड़क परियोजना निर्देशक के कार्यालय परियोजना कार्यान्वयन इकाई Office of the Deputy General Manager cum Project Director Project Implementation Unit प्लॉट नं. 1, ऐश्वर्याम हाइट्स, इंदिरा नगर, सेनमनाईकनपट्टी (पो), थडिकोम्बु रोड, दिंदीगुल - 624 004, तमिलनाडु Plot No. 1, Aishwaryam Heights, Indira Nagar, Sennamanaickenpatti (Po), Thadikombu Road, Dindigul - 624 004, TN.</p>	<p>टेली फोन / Tele Fax: +91-451-2460609 वेबसाइट / Website: http://www.nhai.gov.in E-mail: dindigulpiu@nhai.org</p>
<p>NHAI/PIU/Dindigul/DTK/NH-45E & 220/2018/ 302</p>		<p>Date: 17.05.2018</p>
<p>To The Regional Officer, Madurai Region, National Highways Authority of India, Madurai.</p>		
<p>Sir,</p>		
<p>Sub: NHAI, PIU, Dindigul - Two laning with paved shoulders of Dindigul - Theni section from Km.2.750 to Km.73.400 of NH-45(E) and Kumuli - Theni section from Km.215.500 to Km.273.600 of NH-220 in the State of Tamil Nadu - Permission for laying water supply pipe line along in NH-220 from Km.223+700 to Km.227+600 (LHS), Km.227+600 to Km.231+800 (LHS), Km.231+800 to Km.235+200 (LHS), Km.235+200 to Km.242+600(LHS), Km.242+600 to Km.246+300 (LHS), Km.246+300 to Km.250+600 (RHS), Km.250+600 to Km.254+400 (LHS), Km.254+400 to Km.257+900 (LHS), Km.257+900 to Km.269+633 (LHS) and Km.80+435 to Km.82+410 (RHS) and crossing at Km.246+300, Km.250+600 and Km.80+435 - Submitted for approval - Reg.</p>		
<p>Ref: 1) The Commissioner, Madurai Corporation Lr.No.Ma.Po.4/907/2017-18 dated 28.03.2018. 2) This Office Lr.No.NHAI/PIU/DGL/11014/10/2018/127A dated 31.03.2018. 3) The Acting Team Leader, M/s.ICT Pvt. Ltd., Lr.No.ICT/DTK/TL/PD/1174 dated 06.04.2018. 4) The Commissioner, Madurai Corporation Lr.No.Ma.Po.4/21387/2017 dated 03.05.2018.</p>		
<p>***</p>		
<p>I submit to state that the proposal for seeking permission for laying of water supply pipeline along the aforesaid Project Highway at Km.223+700 to Km.227+600 (LHS), Km.227+600 to Km.231+800 (LHS), Km.231+800 to Km.235+200 (LHS), Km.235+200 to Km.242+600(LHS), Km.242+600 to Km.246+300 (LHS), Km.246+300 to Km.250+600 (RHS), Km.250+600 to Km.254+400 (LHS), Km.254+400 to Km.257+900 (LHS), Km.257+900 to Km.269+633 (LHS) and Km.80+435 to Km.82+410 (RHS) and crossing at Km.246+300, Km.250+600 and Km.80+435 has been preferred by the Commissioner & Special Officer, Madurai Corporation, Madurai vide ref. 1st cited.</p>		
<p>Corporate Office: G-5&6, Sector - 10, Dwarka, New Delhi - 110 075. Tel: 011 - 2507 4100 / 2507 4200 Website: www.nhai.org</p>	<p>Regional Office: Plot No: 3, Surya Towers, 2nd Floor, 1st East Street. K.K. Nagar, Madurai - 625 020, Tamilnadu. Telefax : 0452-2587750 Email: romadurai@nhai.org</p>	

2. The proposal has been scrutinized the proposal in the light of Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and submit the following for kind approval.

- i. A plan showing the above mentioned NH stretch with the proposed Pipeline location, cross section of Pipeline Trench have been appended in the proposal.
- ii. 3 Nos. of crossing at Km.246+300, Km.250+600 and Km.80+435 of road is proposed in this proposal.
- iii. The water supply pipeline is proposed to be laid 1.20 m below road level as per norms.
- iv. It is also stated that there is no alternate route available for laying the water supply pipeline other than the proposed route.
- v. The Commissioner, Madurai Corporation has submitted an agreement in the prescribed format to be executed in case the approval is accorded.
- vi. The Commissioner, Madurai Corporation has submitted the necessary undertakings in the prescribed format as mentioned in the Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.

3. The license fee has been calculated in line with the MoRTH policy guidelines dt. 22.11.2016 as detailed below:

LICENSE FEES FOR PUBLIC UTILITY (Pipe line) (Rs./Sqm/Month)								
(Utilized NH Land area × Prevailing Circle Rate of land per unit area) / (10×12)								
S.N	Village	Chainage		Side	Length (L) (M)	Dia. of Pipe (D) (m)	Utilized NH land area (D×L) (Sq.m)	Prevailing Circle rate of land per unit area (sq.m) (Rs.)
		From	To					
1.	Melagudalur	223+700	227+600	Along the road (LHS)	3900	1.422	5545.8	66.25
2.	Melagudalur	227+600	231+800	Along the road (LHS)	4200	1.422	5972.4	66.25
3.	Kilagudalur	231+800	234+100	Along the Road (LHS)	2300	1.219	2803.7	1080
4.	Kambam	234+100	235+200	Along the Road (LHS)	1100	1.219	1340.9	1445
5.	Kambam	235+200	237+800	Along	2600	1.219	3169.4	1445

				the Road (LHS)					
6.	Uttamapura m	237+800	242+400	Along the Road (LHS)	4600	1.219	5607.4	2165	101167
7.	Pudupatti	242+400	242+600	Along the Road (LHS)	200	1.219	243.8	940	1910
8.	Pudupatti	242+600	244+400	Along the road (LHS)	1800	1.219	2194.2	940	17188
9.	Hanumantan patti	244+400	246+300	Along the Road (LHS)	1900	1.219	2316.1	70.4	1359
10.	Hanumantan patti	246+300	247+200	Along the road (RHS)	900	1.219	1097.1	70.4	644
11.	Uthamapalay m	247+200	250+600	Along the road (RHS)	3400	1.219	4144.6	99.4	3433
12.	Uthamapalay am	250+600	251+700	Along the road (LHS)	1100	1.219	1340.9	99.4	1110
13.	Karungatank ulam	251+700	254+400	Along the road (LHS)	2700	1.219	3291.3	2165	59380
14.	Karungatank ulam	254+400	254+700	Along the road (LHS)	300	1.219	365.7	2165	6598
15.	Chinnamanur	254+700	257+900	Along the road (LHS)	3200	1.219	3900.8	1515	49248
16.	Chinnamanur	257+900	258+900	Along the road (LHS)	1000	1.219	1219	1515	15390
17.	Seelayampat ti	258+900	263+200	Along the road (LHS)	4300	1.219	5241.7	1515	66176
18.	Kottur	263+200	267+200	Along the road (LHS)	4000	1.219	4876	84.5	3433
19.	Upparapatti	267+200	269+633	Along the road (LHS)	2433	1.219	2965.8	58	1433
20.	Veerapandi	80+435	81+700	Along the road (RHS)	1265	1.219	1542	2165	27820
21.	Upparapatti	81+700	82+410	Along	710	1.219	865.4	58	418

			the road (RHS)					
22.	Hanumantan patti	246+300	Crossing	30	1.422	42.66	70.4	25
23.	Uthamapalay am	250+600	Crossing	30	1.422	42.66	99.4	35
24.	Upparapatti	80+435	Crossing	30	1.422	42.66	58	21
Total Amount per Month								44,26,92

4. The amount of Performance Bank Guarantee has been calculated in line with the MoRTH policy guidelines dt. 22.11.2016 as detailed below:

Restoration charges for pipe line along the road :

Km.223+700 to Km.227+600	-	3900 m
Km.227+600 to Km.231+800	-	4200 m
Km.231+800 to Km.235+200	-	3400 m
Km.235+800 to Km.242+600	-	7400 m
Km.242+600 to Km.246+300	-	3700 m
Km.246+300 to Km.250+600	-	4300 m
Km.250+600 to Km.254+400	-	3800 m
Km.254+400 to Km.257+900	-	3500 m
Km.257+900 to Km.269+633	-	11733 m
Km.80+435 to Km.82+410	-	1975 m
Total length of land to be utilized	-	47908 m
Rate of performance BG	-	Rs.100 / m
Amount (47908 × 100) (A)	-	Rs.47,90,800/-

Restoration Charges for pipe line across the road

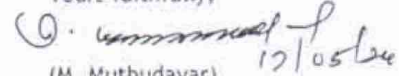
Crossing at Km.246+300, Km.250+600 & Km.80+435	-	3 Nos.
1 lakh Per Crossing (3 × 1,00,000) (B)	-	Rs.3,00,000/-
Total (A+B)	-	Rs.50,90,800/-
Centage Charges @ 23.5 %	-	Rs.11,96,338/-

5. In view of above, it is requested that the permission for laying of water supply pipeline along NH at Km.223+700 to Km.227+600 (LHS), Km.227+600 to Km.231+800 (LHS),

Km.231+800 to Km.235+200 (LHS), Km.235+200 to Km.242+600(LHS), Km.242+600 to Km.246+300 (LHS), Km.246+300 to Km.250+600 (RHS), Km.250+600 to Km.254+400 (LHS), Km.254+400 to Km.257+900 (LHS), Km.257+900 to Km.269+633 (LHS) and Km.80+435 to Km.82+410 (RHS) and crossing at Km.246+300, Km.250+600 and Km.80+435 may please be approved.

Encl: Proposal - 2 nos.

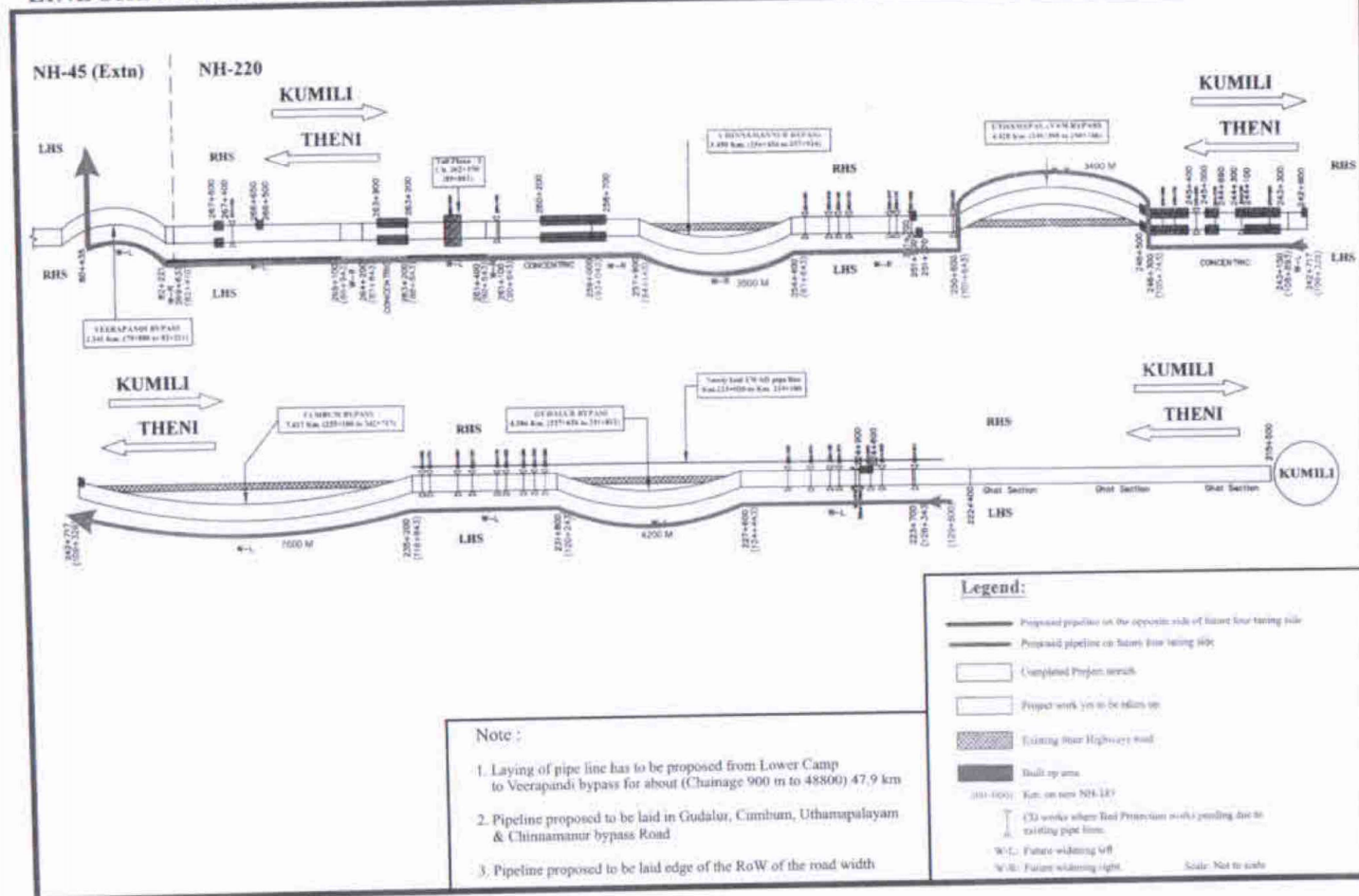
Yours faithfully,

 12/05/20

(M. Muthudayar)
Deputy General Manager (Tech)
Cum
Project Director

MADURAI CORPORATION

LINE SKETCH SHOWING WATER PIPELINE PROPOSED ALONG NHAI ROAD BY MADURAI CORPORATION



5. Self-certification for Clear Water, Raw Water Alignments and Overhead Tank Sites

Madurai Corporation
Aringar Anna Maligai
Tallakulam,
Madurai – 625 002



Ph : 0452-2530521 to
0452-2530526

S. Arassu, B.E., M.B.A.,
City Engineer

Dated. 04.05.2019

Madurai Dedicated Water Supply Scheme

Subject: Certification / Undertaking related to avoidance of permanent impacts during laying of Raw Water pipeline under Madurai Water Supply Scheme (TNUFIP)

The details of the Raw Water pipeline alignment are provided below:

Sl. No	Starting Location	Starting Chainage	End Location	End Chainage	Dia of Pipeline	Avail - able RoW	Ownership (NHAI/ NH /SH/ODR/Rural road/Corporation etc.)
1	2	3	4	5	6	7	8
1	Headworks at Lower Camp	LS 0 M	NHAI Road	LS 900 M	1100mm MS Pipe	3.00	TWAD Board
2	NHAI Road at Lower Camp	LS 900 M	Veerapandi Bye Pass	LS 48800 M	1100mm MS Pipe	4.00	National Highway Authority of India
3	Veerapandi Bye Pass	LS 48800 M	Aranamanai Pudur Junction at Theni (Koduvilarpatti Road)	LS 56200 M	1100mm MS Pipe	3.00	State Highway
3	Koduvilarpatti Road	LS 56200 M	Aranmanai Pudur	LS 58700 M	1100mm MS Pipe	3.00	State Highway
4	Railway Crossing - Aranmanai Pudur	--	Theni Road Junction LC No. 68	--	1100mm MS Pipe	--	Southern Railway
5	Aranmanai Pudur	LS 58700 M	Kanavilaku	LS 67340 M	1100mm MS Pipe upto 61000 M 1050 mm MS Pipe from LS 61000 M	3.00	National Highway

Sl. No	Starting Location	Starting Chainage	End Location	End Chainage	Dia of Pipeline	Avail - able RoW	Ownership (NHAI/ NH /SH/ODR/Rural road/Corporation etc.)
1	2	3	4	5	6	7	8
6	Kanavilaku	LS 67340 M	Vaigai Dam Roundana	LS 74740 M	1050 mm MS Pipe	3.00	State Highway
7	Vaigai Dam Roundana	LS 74740 M	Vaigai Dam Pickup Weir	LS 76740 M	1050 mm MS Pipe	3.00	Public Works Department, WRO
8	Vaigai Dam Pickup Weir	LS 76740 M	WTP at Pannaipatti	LS 95740 M	1050 mm MS Pipe	3.00	Madurai Corporation

CERTIFICATION

We confirm that where permanent/semi-permanent structures are identified within the available shoulder length/right of way, the pipe line of 1100mm & 1050mm dia will be laid in the blacktop portion/ within carriage way to avoid permanent social impacts.

For this, we will obtain necessary permissions from respective road authorities prior to the start of civil works. We will include such permissions in the updated resettlement plan.

We also confirm that any unavoidable permanent impacts identified during project implementation will be addressed in the updated resettlement plan in accordance with the agreed Resettlement Framework for TNUFIP.

Any change in the above details, alignment, designs etc., will be included in the updated Resettlement Plan.


 City Engineer
 Madurai Corporation

Madurai Corporation
Aringar Anna Maligai
Tallakulam,
Madurai – 625 002



Ph : 0452-2530521 to
0452-2530526

S. Arassu, B.E., M.B.A.,
City Engineer

Dated. 04.05.2019

Madurai Dedicated Water Supply Scheme

Subject: Certification / Undertaking related to avoidance of permanent impacts during laying of Clear Water pipeline under Madurai Water Supply Scheme (TNUFIP)

The details of the Clear Water pipeline alignment are provided below:

Sl. No	Starting Location	Starting Chainage	End Location	End Chainage	Dia of Pipeline	Available RoW	Ownership (NHAI/ NH /SH /ODR/ Rural road/ Corporation etc.)
1	2	3	4	5	6	7	8
1	WTP at Pannaipatti	LS 0 M	Mattaparai Junction	LS 24000 M	1400 mm MS Pipe	3.00	Public Works Department
2	Mattaparai Junction	LS 24000 M	Karupatti Railway Station	LS 29000 M	1400 mm MS Pipe	3.00	State Highway
3	Karupatti Railway Station LC No. 341 - Km 470/600	--	Karupatti Railway Station LC No. 341 - Km 470/700	--	1400 mm MS Pipe	--	Southern Railway
4	Karupatti Railway Station	LS 29000 M	Nedunkulam Railway Station	LS 35000 M	1400 mm MS Pipe	3.00	Public Works Department, WRO
5	Nedunkulam Railway Station LC No. 349 - Km 476/5	--	Nedunkulam Railway Station LC No. 349 - Km 476/6	--	1400 mm MS Pipe	--	Southern Railway
6	Nedunkulam	LS 35000 M	Thatchampathu	LS 36000 M	1400 mm MS Pipe	3.00	State Highway
7	Thatchampathu	LS 36000 M	Thenur	LS 38000 M	1400 mm MS Pipe	3.00	State Highway
8	Thenur	LS 38000 M	Samayanallur	LS 44000 M	1400 mm MS Pipe	3.00	State Highway

Sl. No	Starting Location	Starting Chainage	End Location	End Chainage	Dia of Pipeline	Available RoW	Ownership (NHAI/ NH /SH /ODR/ Rural road/ Corporation etc.)
1	2	3	4	5	6	7	8
9	NHAI Road (Samayanallur Fourline Crossing)	LS 44000 M	NH 7 Road (Samayanallur Fourline Crossing)	LS 44350 M	1400 mm MS Pipe	3.00	National Highway Authority of India
10	Vaigai River Bund Service Road Samayanallur	LS 44350 M	Thekkathir Bridge	LS 54435 M	1400 mm MS Pipe	3.00	Public Works Department, WRO

CERTIFICATION

We confirm that where permanent/semi-permanent structures are identified within the available shoulder length/right of way, the pipe line of 1400mm dia will be laid in the blacktop portion/ within carriage way to avoid permanent social impacts.

For this, we will obtain necessary permissions from respective road authorities prior to the start of civil works. We will include such permissions in the updated resettlement plan.

We also confirm that any unavoidable permanent impacts identified during project implementation will be addressed in the updated resettlement plan in accordance with the agreed Resettlement Framework for TNUFIP.

Any change in the above details, alignment, designs etc., will be included in the updated Resettlement Plan.


City Engineer
Madurai Corporation

Madurai Corporation
Aringar Anna Maligai
Tallakulam,
Madurai – 625 002



Ph : 0452-2530521 to
0452-2530526

S. Arassu, B.E., M.B.A.,
City Engineer

Dated. 04.05.2019

Madurai Dedicated Water Supply Scheme

Subject: Certification / Undertaking related to land ownership of proposed 37 overhead tanks (OHTs).

The details of the proposed 37 OHTs are provided below:

Sl. No	OHT No.	Name / Location	Zone No.	Ward No.	SR Capacity (LL)	Area Available (in Sqm)	Area Required (in Sqm)	Ownership	Survey No.	Land use Classification
1	2	3	4	5	6	7	8	9	10	11
I	FROM MULLAI PERIYAR									
1	25	Zone 1 Semparuthi Nagar	1	23	18.00	2881	615	MMC	TS No. 187/15, 187/6	Vacant Site
2	4	Zone 12 Anaiyur Composting Yard - II (Singarayar Colony)	1	2	25.00	1960	855	MMC	TS No. 3865	Vacant Site
3	2	Zone 11 Anaiyur Composting Yard - I (Sellur Kanmoi)	1	2	25.00	4089	855	MMC	RS 101 to 105	Side of Compost Yard
4	29	Zone 6 Indira Nagar (Old Composting Yard)	1	1	15.00	2795	531	MMC	Ts No. 73/4, 74/2	Side of Vilangudi Kanmoi
5	30	Zone 7 Park Town	1	5	13.00	1591	491	MMC	TS No. 3865	Meenakshi Nagar Park

SL No	OHT No.	Name / Location	Zone No.	Ward No.	SR Capacity (LL)	Area Available (in Sqm)	Area Required (in Sqm)	Ownership	Survey No.	Land use Classification
1	2	3	4	5	6	7	8	9	10	11
6	32	Zone 23 E.B Colony	2	24	18.00	1088	615	MMC	TS No. 79/4	Vacant Site
7	37	Zone 24 Poriayar Nagar 8th Cross Street	2	25	7.00	1657	314	MMC	TS No. 158 (P)/160 (P) B	Vacant Site
8	34	Zone 25 Santhanam Nagar (Bharath Nagar)	2	25	20.00	1591	707	MMC	TS No. 132/1	Vacant Site
9	35	Zone 22 Island Nagar	2	48	12.00	1110	452	MMC	TS No. 51/2	Vacant Site
10	3	Zone 16 Sellur Lorry Stand	2	37	30.00	1000	907	MMC	TS No. 1382/2(P)	Corporation Lorry Stand
11	6	Zone 32 SMP Colony	2	33	10.00	5026	415	MMC	TS No. 38/7 to 15	Vacant Site
12	39	Zone 29 Shenbagathottam (Anna Nagar LIG Colony)	2	33 & 34	25.00	3150	855	MMC	TS No. 42	Corp Park
13	7	Zone 20 K K Nagar - Central Veg. Market	2	44	12.00	3862	452	MMC	TS No. 2236, 2737, 11/10	Vacant Site
14	10	Zone 40 Arapalayam Two Wheeler Parking	1	15	12.00	1814	452	MMC	TS No. 970	Vacant Site
15	13	Zone 34 Kochadai	1	22	25.00	4800	855	MMC	TS No. 1/1V/15	Vacant Site
16	12	Zone 36 VKP Nagar	4	75	20.00	4500	707	MMC	TS No. 16/14	Vacant Site
17	24	Zone 69 Muthuramalin gapuram OHT	4	100	5.00	2236	201	MMC	TS No. 35/1A	Vacant Site
18	51	Zone 70 Moolakarai Sump (Muthuramalin gapuram - Same Site)	4	100	3.00	680	113	MMC	TS No. 44, 45	Vacant Site

Sl. No	OHT No.	Name / Location	Zone No.	Ward No.	SR Capacity (LL)	Area Available (in Sqm)	Area Required (in Sqm)	Ownership	Survey No.	Land use Classification
1	2	3	4	5	6	7	8	9	10	11
19	23	Zone 73 Muniyandi Kovil	4	75 & 100	4.00	1156	201	MMC	TS No. 482 XXII – 620	Existing Toilet & Vacant Site
20	50	Zone 77 Balaji Nagar	4	99	5.00	2284	201	MMC	TS No. 120	Vacant Site
21	48	Zone 75 Harveepatti	4	97	10.00	1455	415	MMC	TS No. 151	Vacant Site
22	49	Zone 81 Kurinji Nagar	4	98	5.00	4080	201	MMC	TS No. 105, 106	Vacant Site
23	14	Zone 66 TVS Park-I	4	77	25.00	4771	855	MMC	TS.No. 88, 89	TVS Nagar Park
24	15	Zone 64 TVS Park II (Kambar School)	4	77	25.00	4771	855	MMC	TS.No. 88, 89	TVS Nagar Park
25	16	Zone 67 Muthupatty	4	93	20.00	1000	707	MMC	Rs No. 440/2, 2	Vacant Site
26	45	Zone 56 Villapuram	3	61	10.00	3957	415	MMC	RS No. 411	Inside of Avaniya-puram WS Pumping Station
27	43	Zone 57 MMC COLONY -I	4	94	15.00	19360	531	MMC	TS No. 386	Vacant Site
28	44	Zone 58 MMC Colony-II	4	94	10.00	19360	415	MMC	TS No. 386	Vacant Site
29	47	Zone 60 Vellakkal	4	94	11.00	7400	415	MMC	TS No. 156	Vacant Site
30	19	Zone 48 Valai Thoppu	3	69	25.00	2080	855	MMC	TS No. 2597	Vacant Site
31	41	Zone 54 Chinna Anupanandi Housing	3	56	15.00	1470	531	MMC	RS No. 198	Vacant Site
32	42	Zone 53 Gurunathar Koil	3	58	12.00	1591	452	MMC	TS No. 103/1	Vacant Site
33	17	Zone 47 Thideer Nagar	4	85	30.00	1800	907	MMC	TS No. 1467	Vacant Site

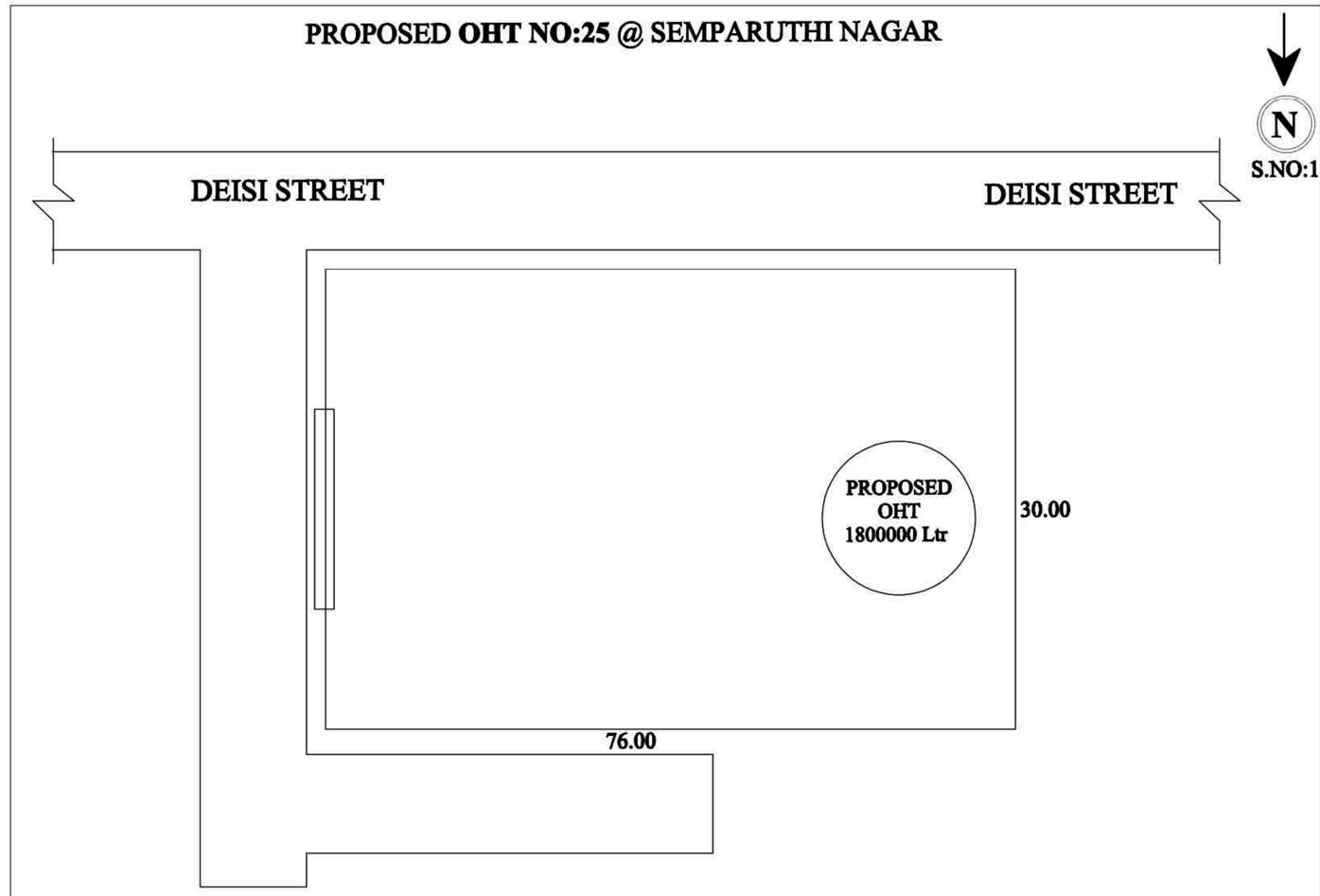
Sl. No	OHT No.	Name / Location	Zone No.	Ward No.	SR Capacity (LL)	Area Available (in Sqm)	Area Required (in Sqm)	Ownership	Survey No.	Land use Classification
1	2	3	4	5	6	7	8	9	10	11
34	20	Zone 45 AVSS HOSPITAL	3	57	20.00	5284	707	MMC	TS No. 11, V/17	Vacant Site
35	21	Zone 52 Meenakshi Nagar	3	53 & 55	15.00	2860	531	MMC	TS No. 118	Vacant Site
II	FROM MELUR CWSS									
36	54	Zone 28 Pandiyan Nagar	2	29	25.00	1184	855	MMC	TS No. 21	Vacant Site
37	53	Zone 27 Ulaganeri	2	28	12.00	2444	452	MMC	RS No. 1 (Vandiyur 1st Pit))	Vacant Site

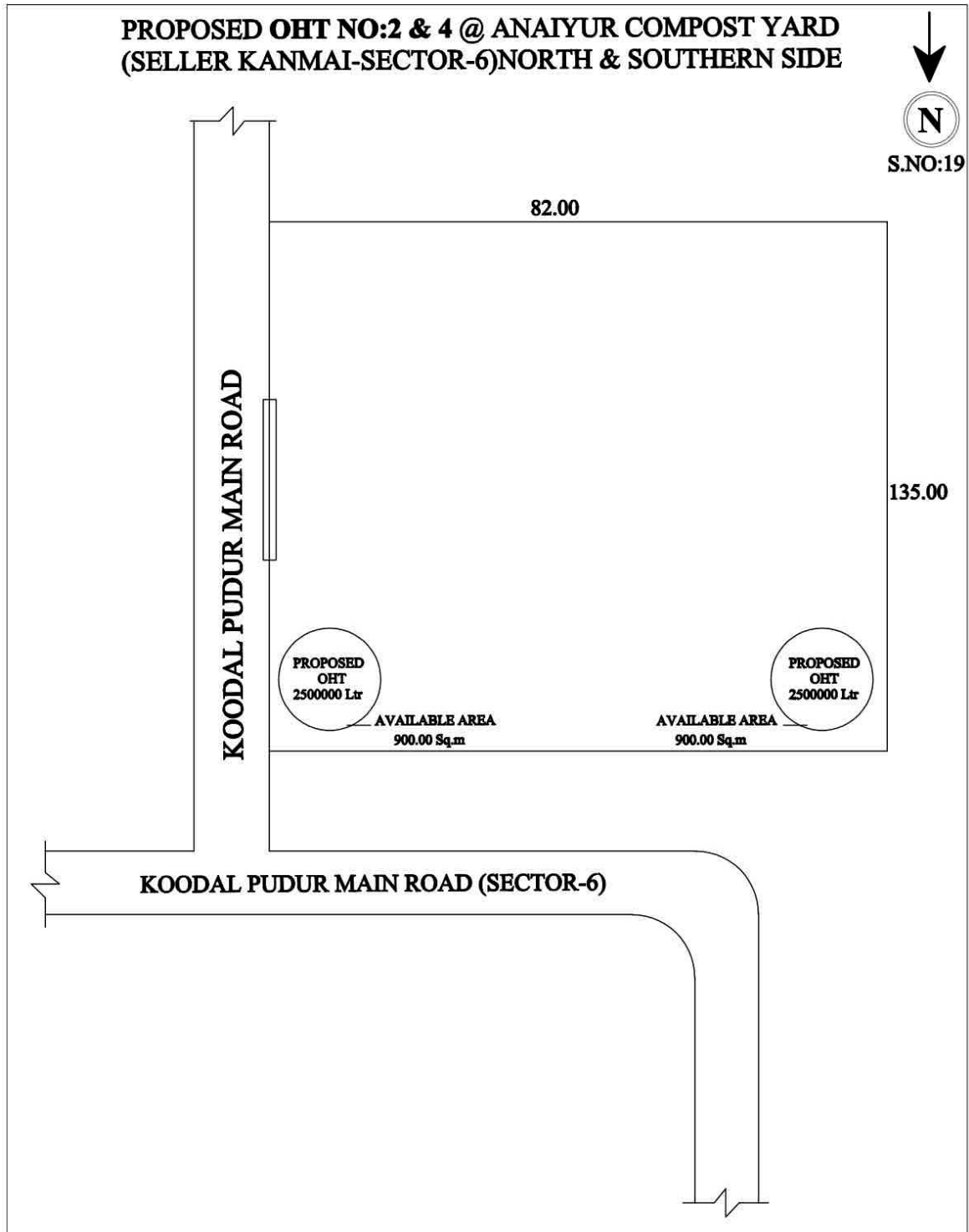
CERTIFICATION

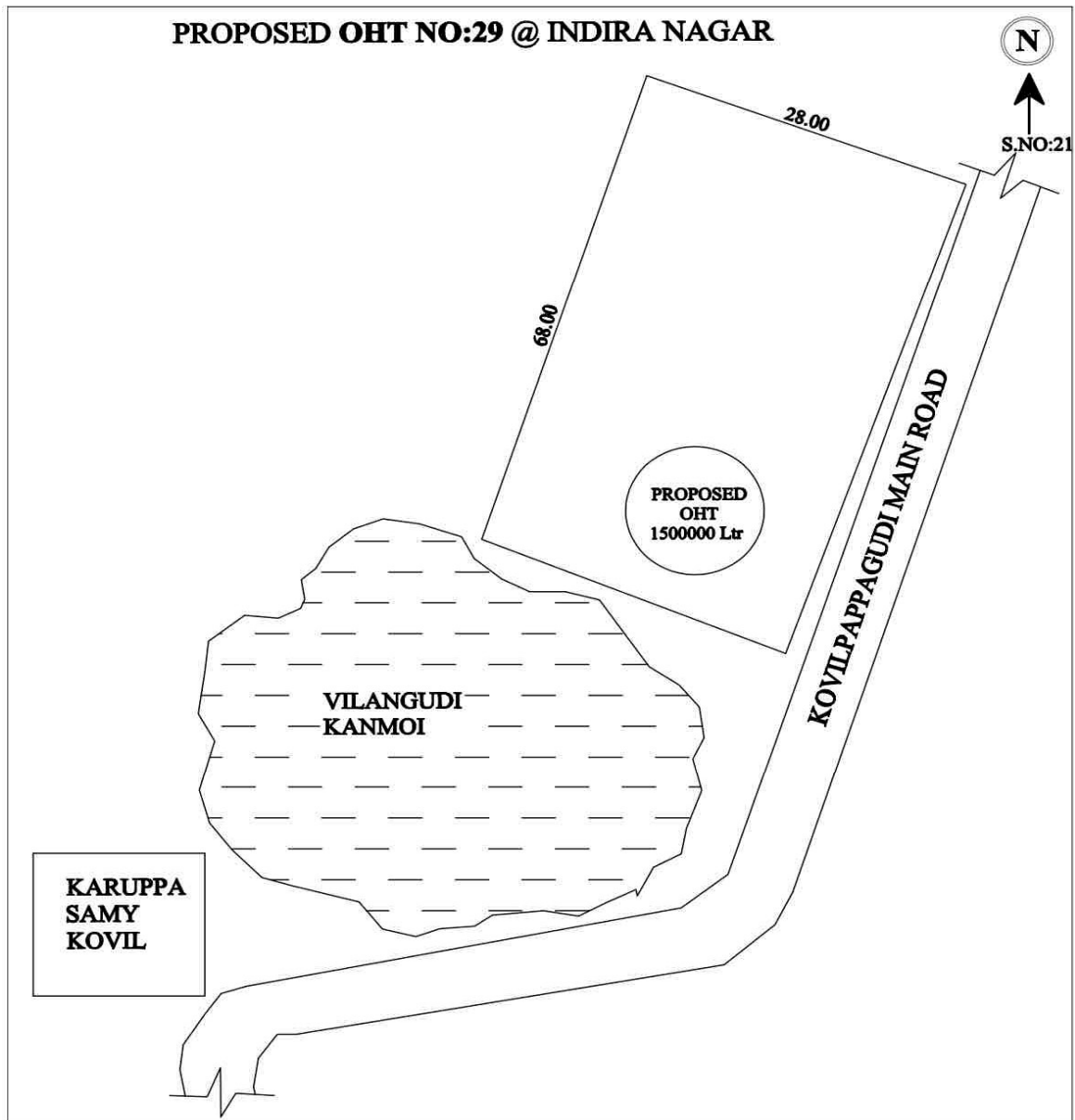
We certify that all the sites identified for proposed 37 overhead tanks (OHTs) are under possession of Madurai Corporation and free of any encumbrances. Land ownership documents (extracts of FMB, Adangal & etc.) of all sites will be provided in the updated Resettlement Plan.

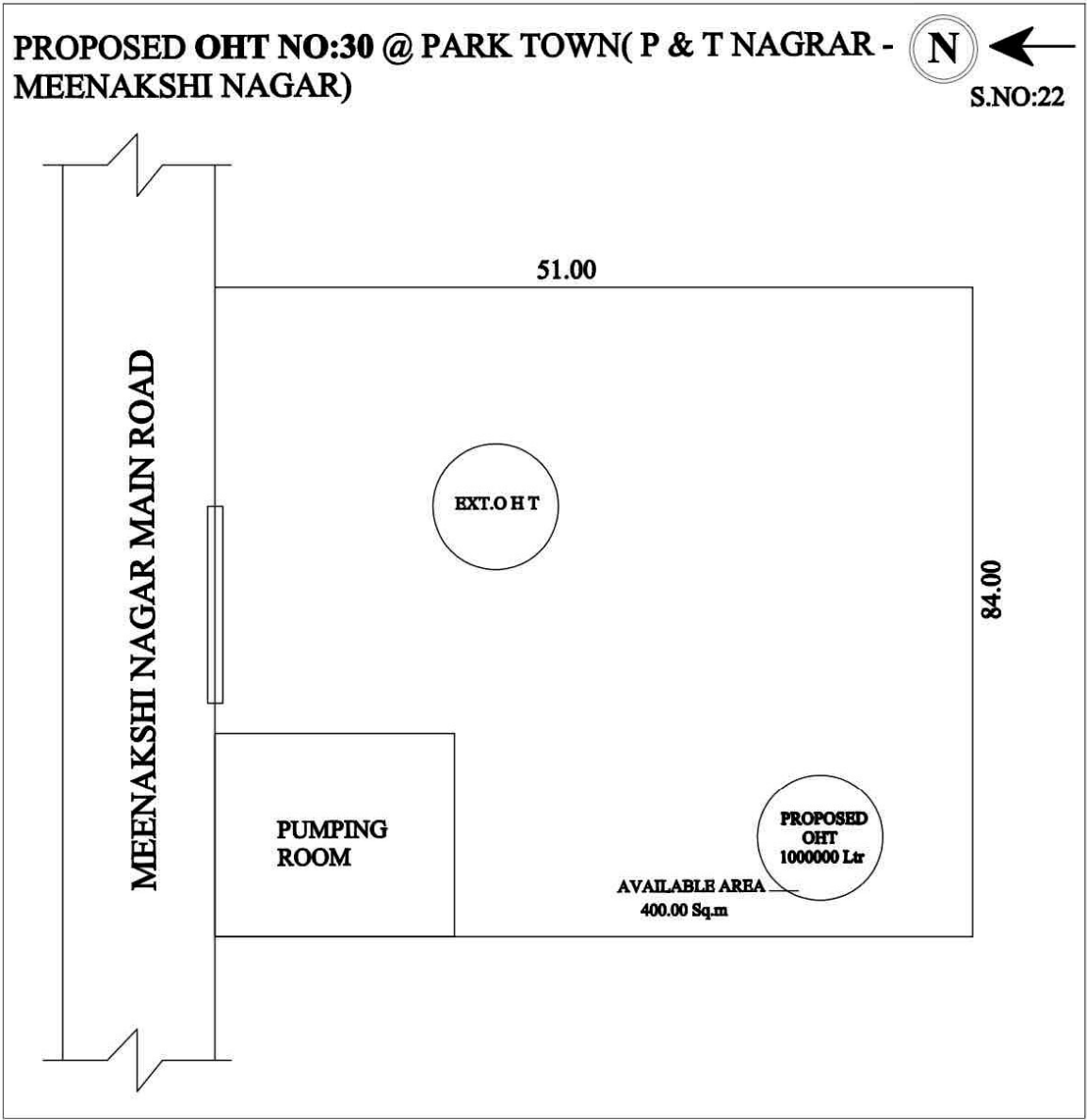

City Engineer
Madurai Corporation

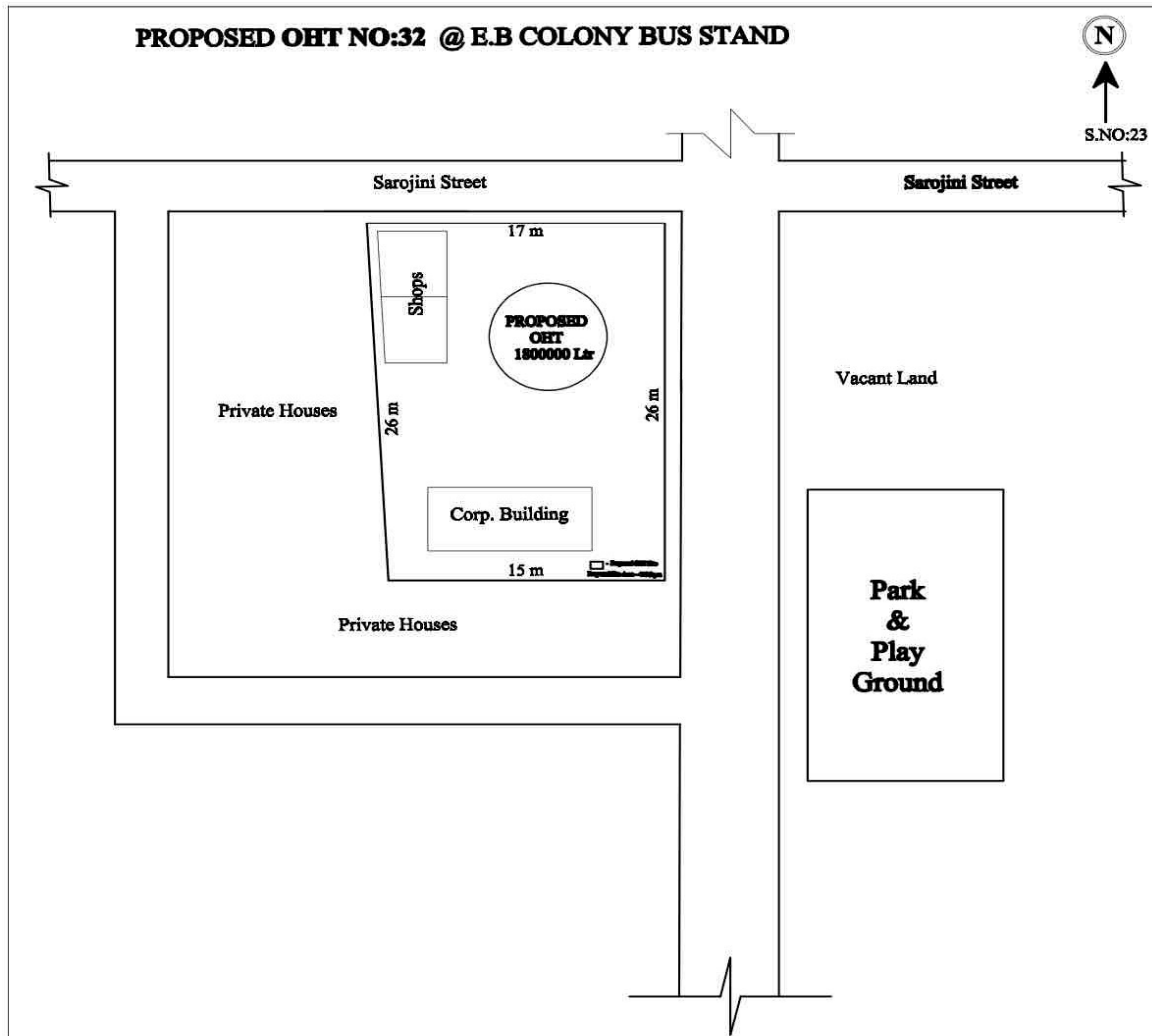
6. Layout Plans for Overhead Tank (OHT) Sites

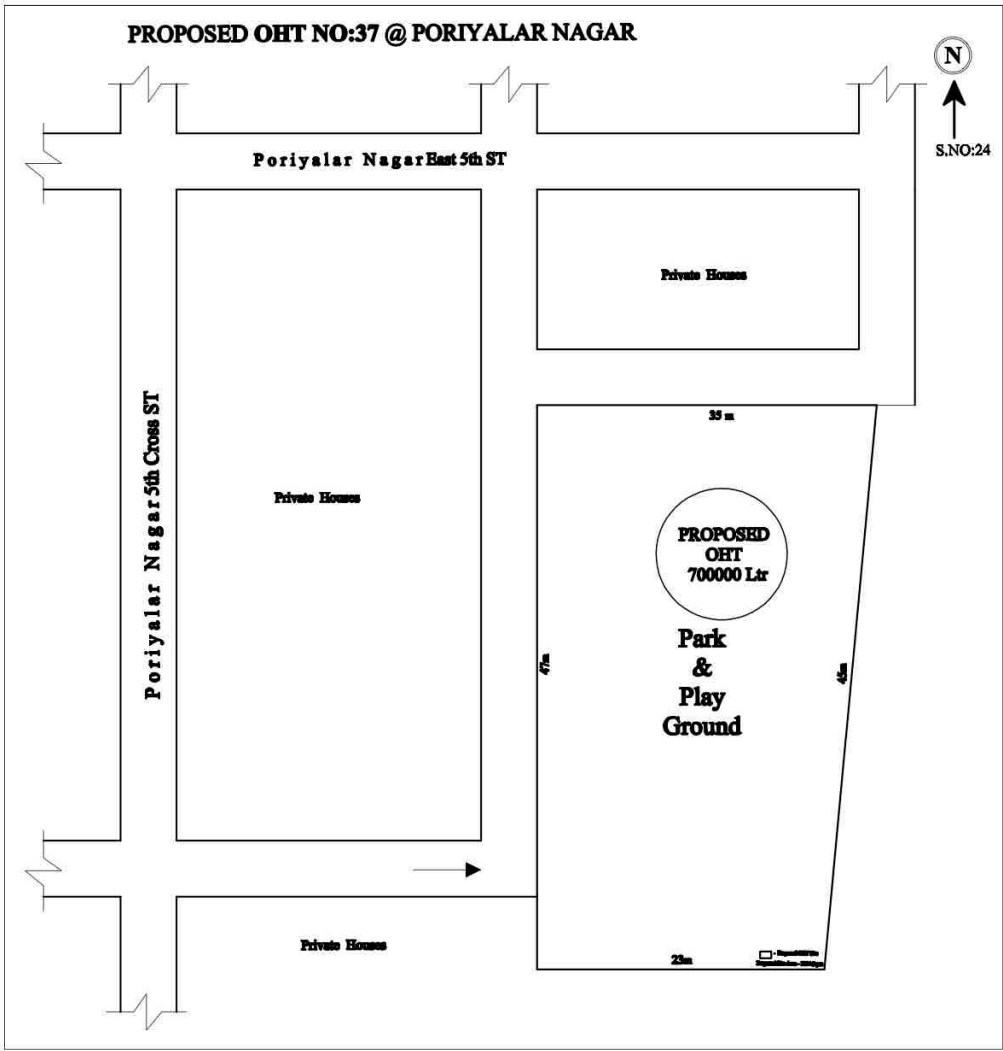


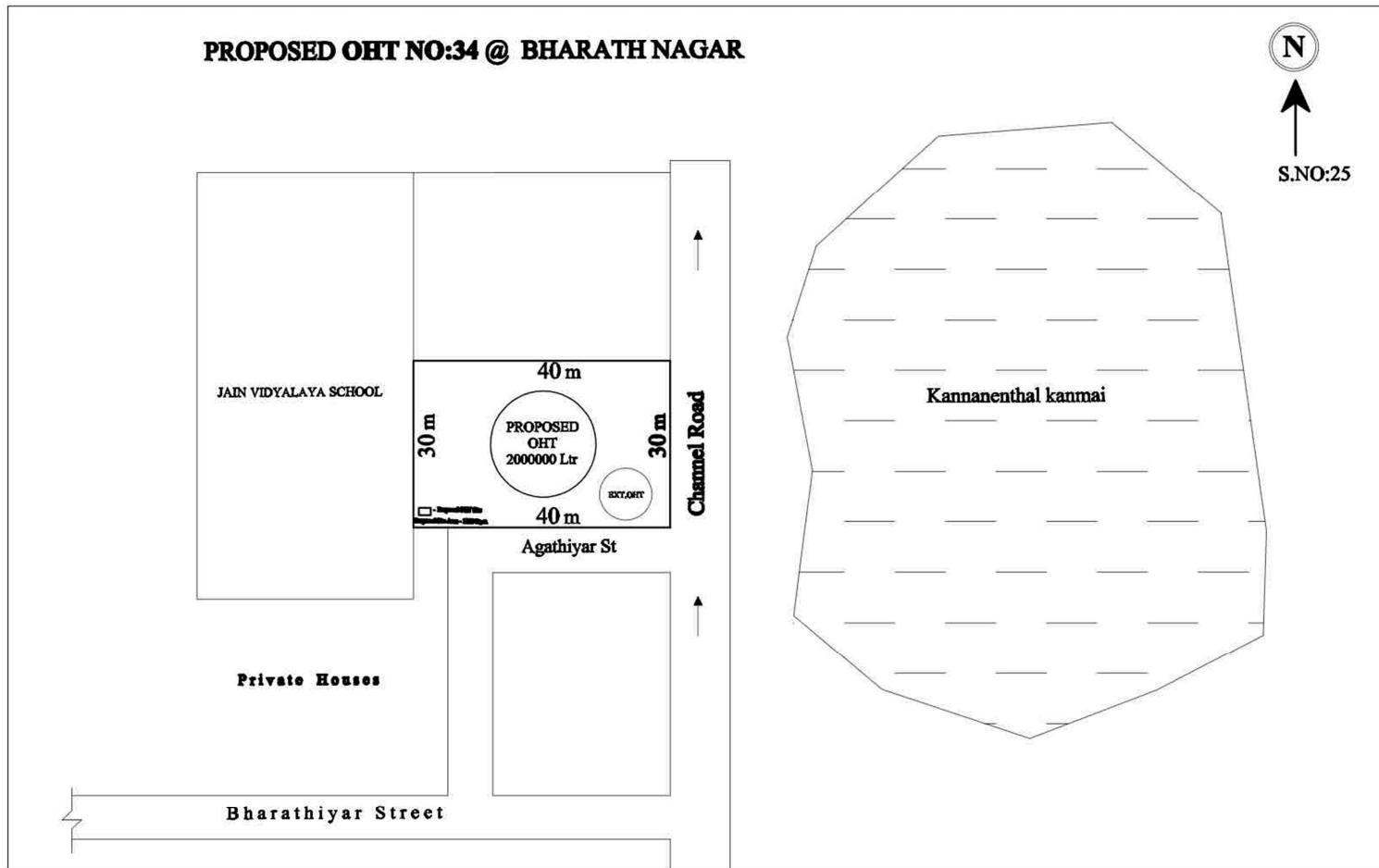


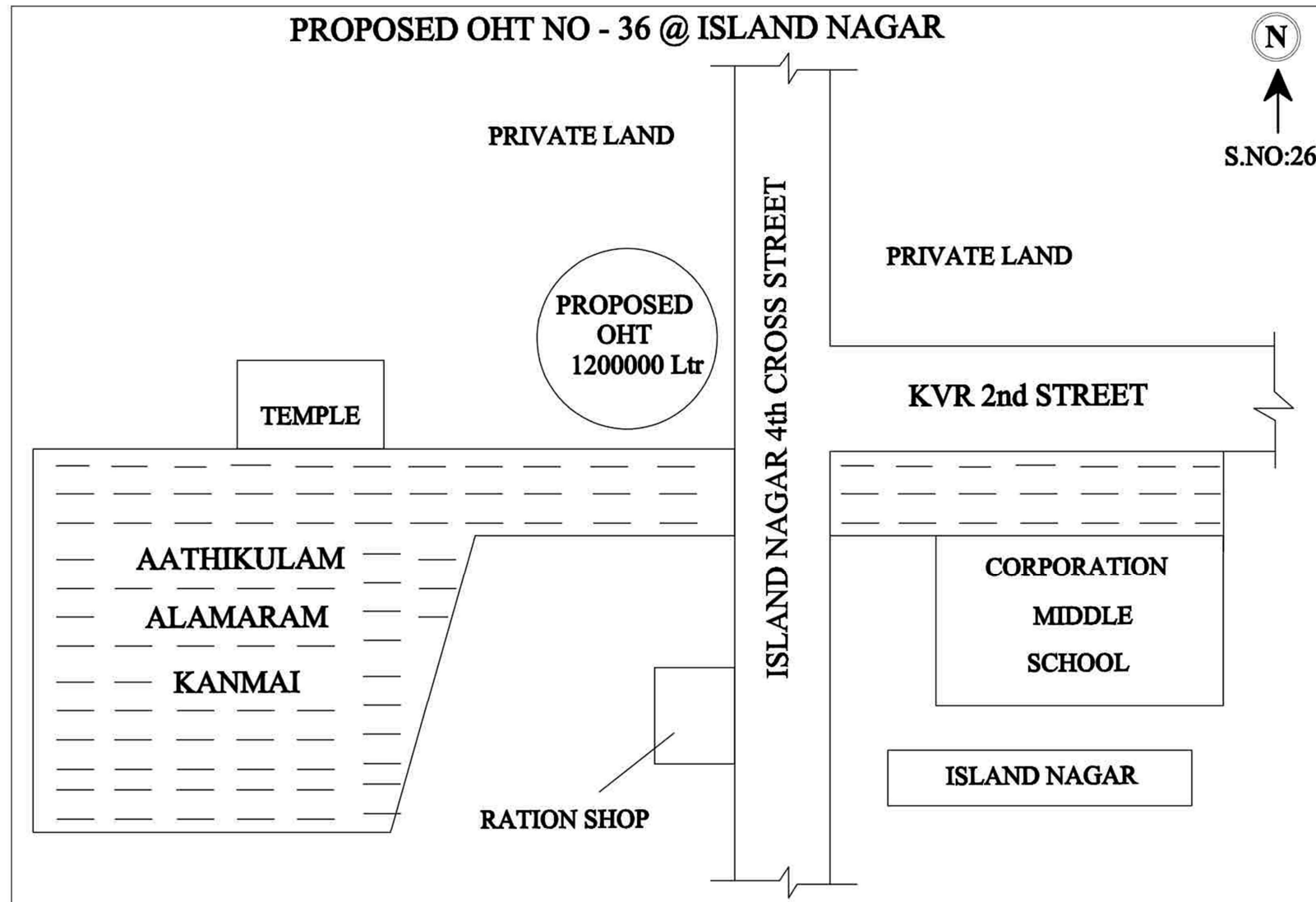


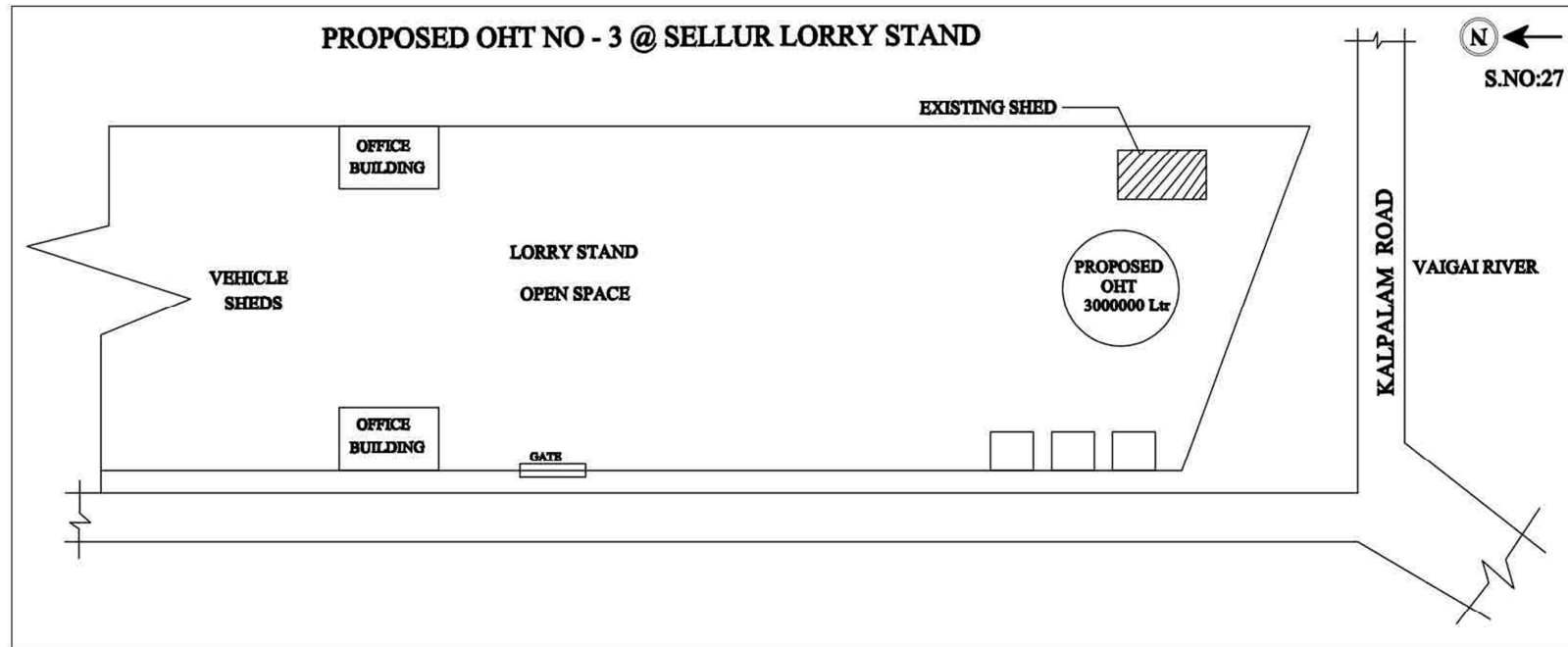


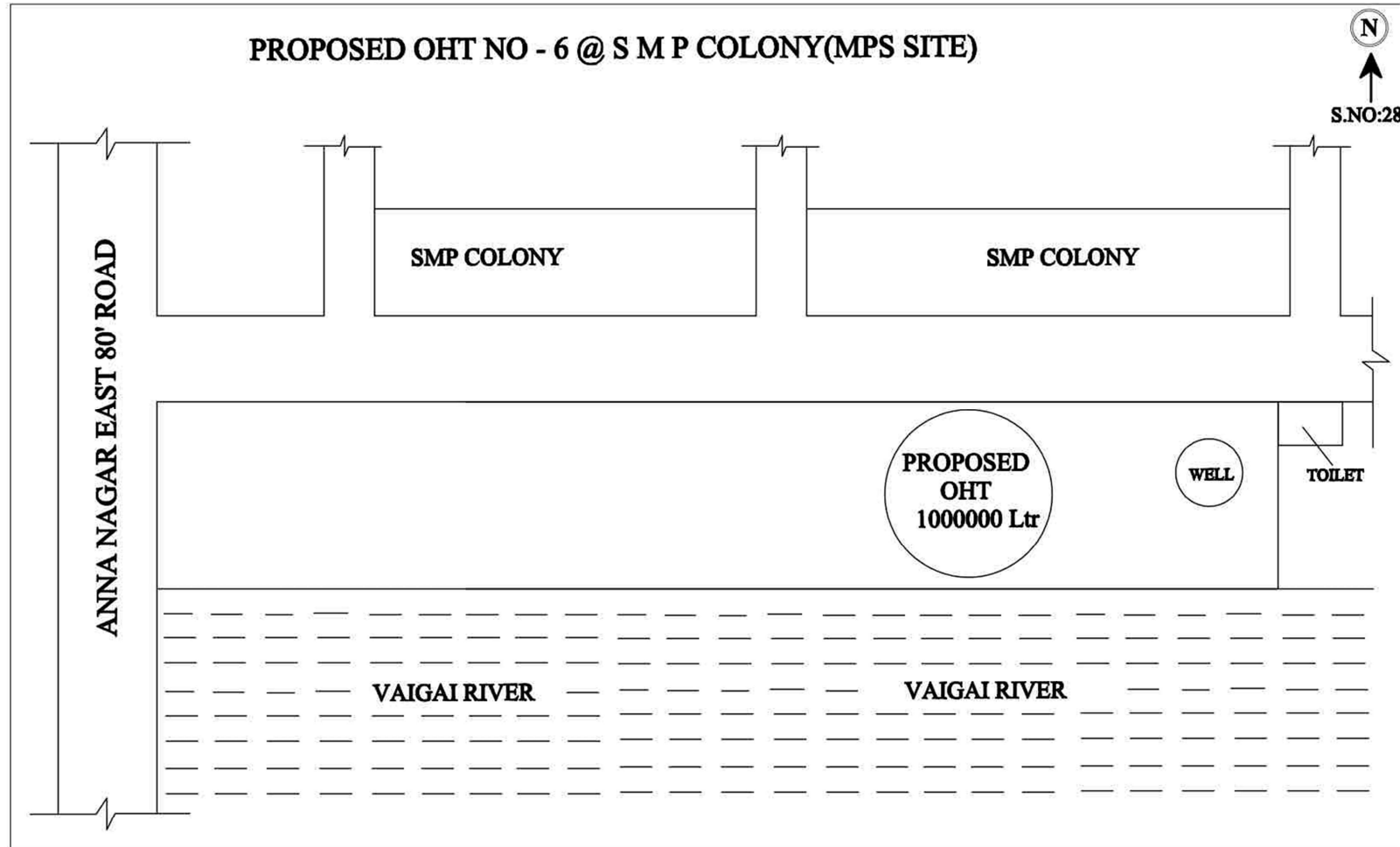


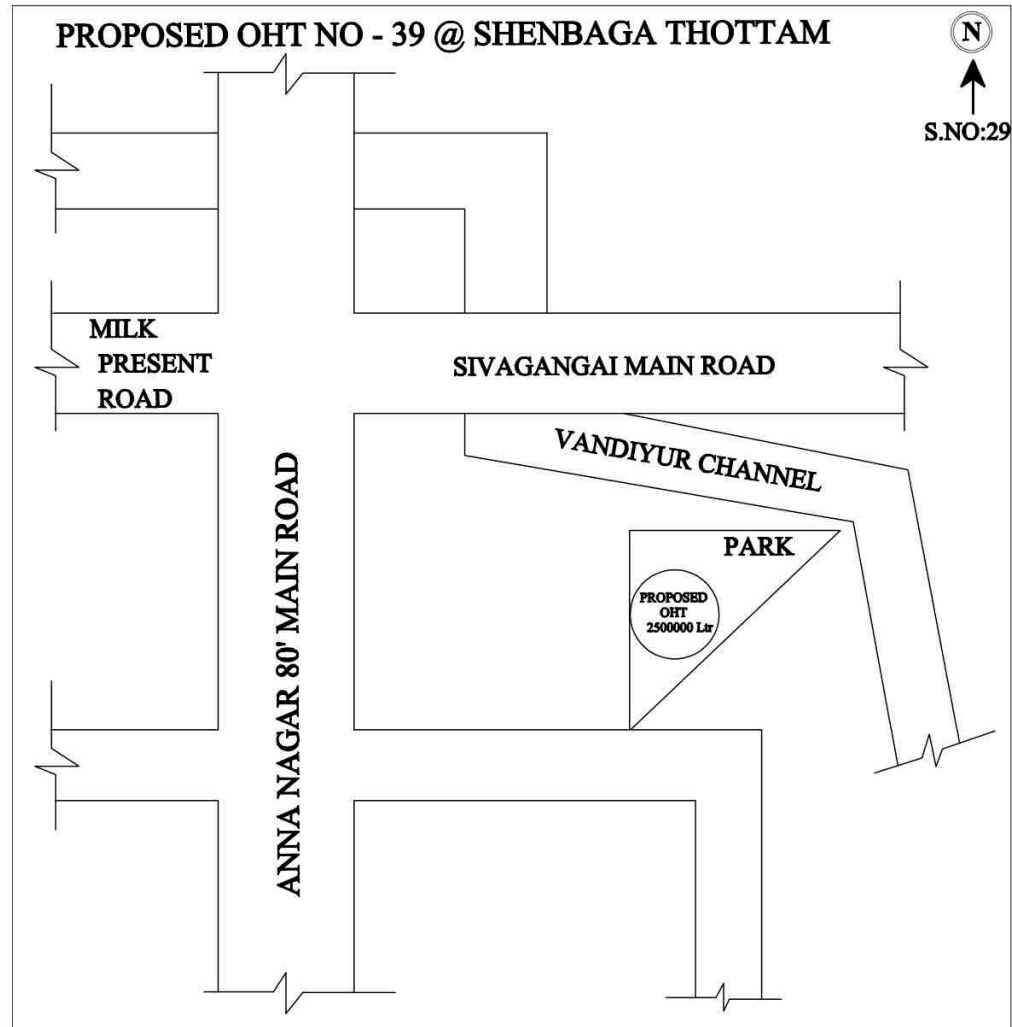


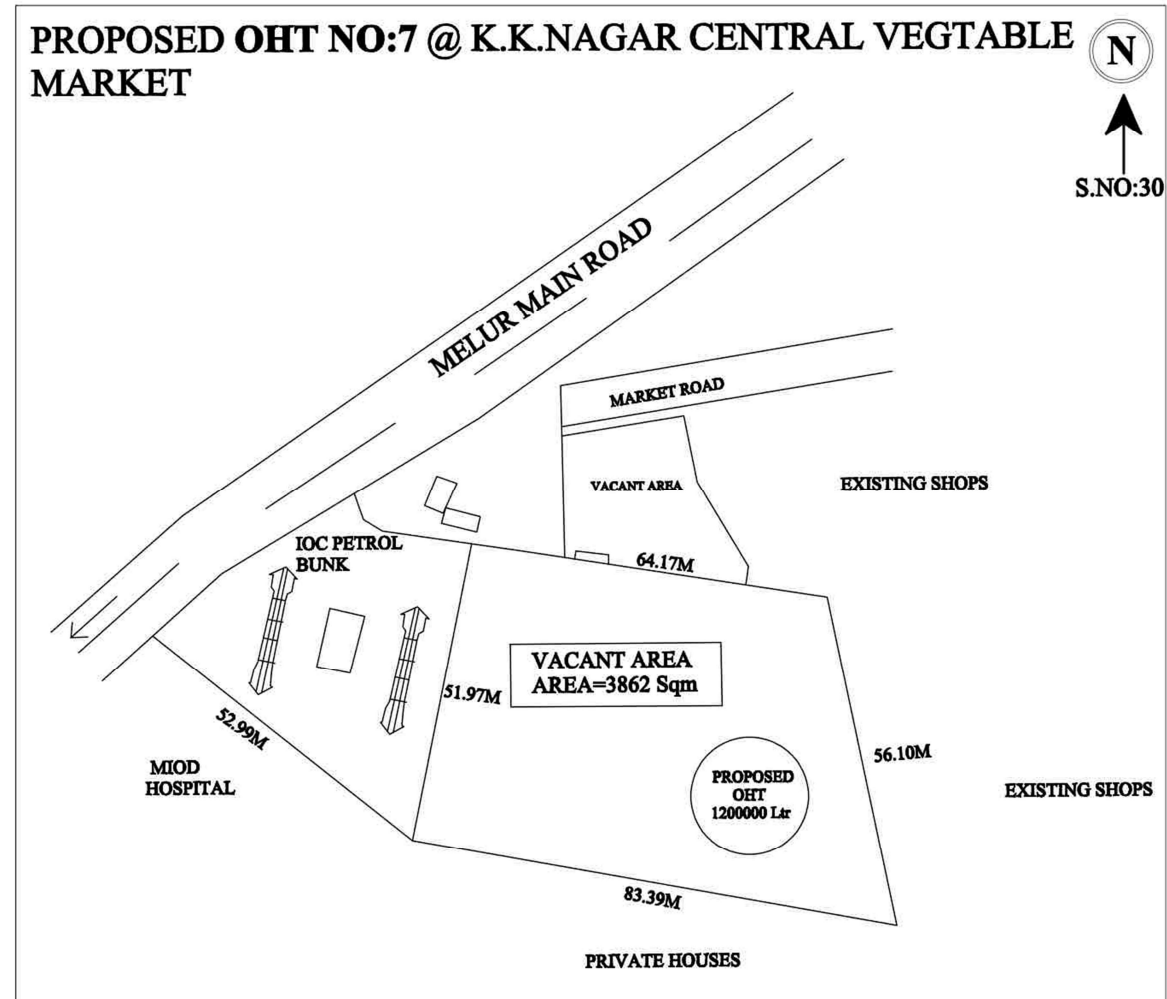


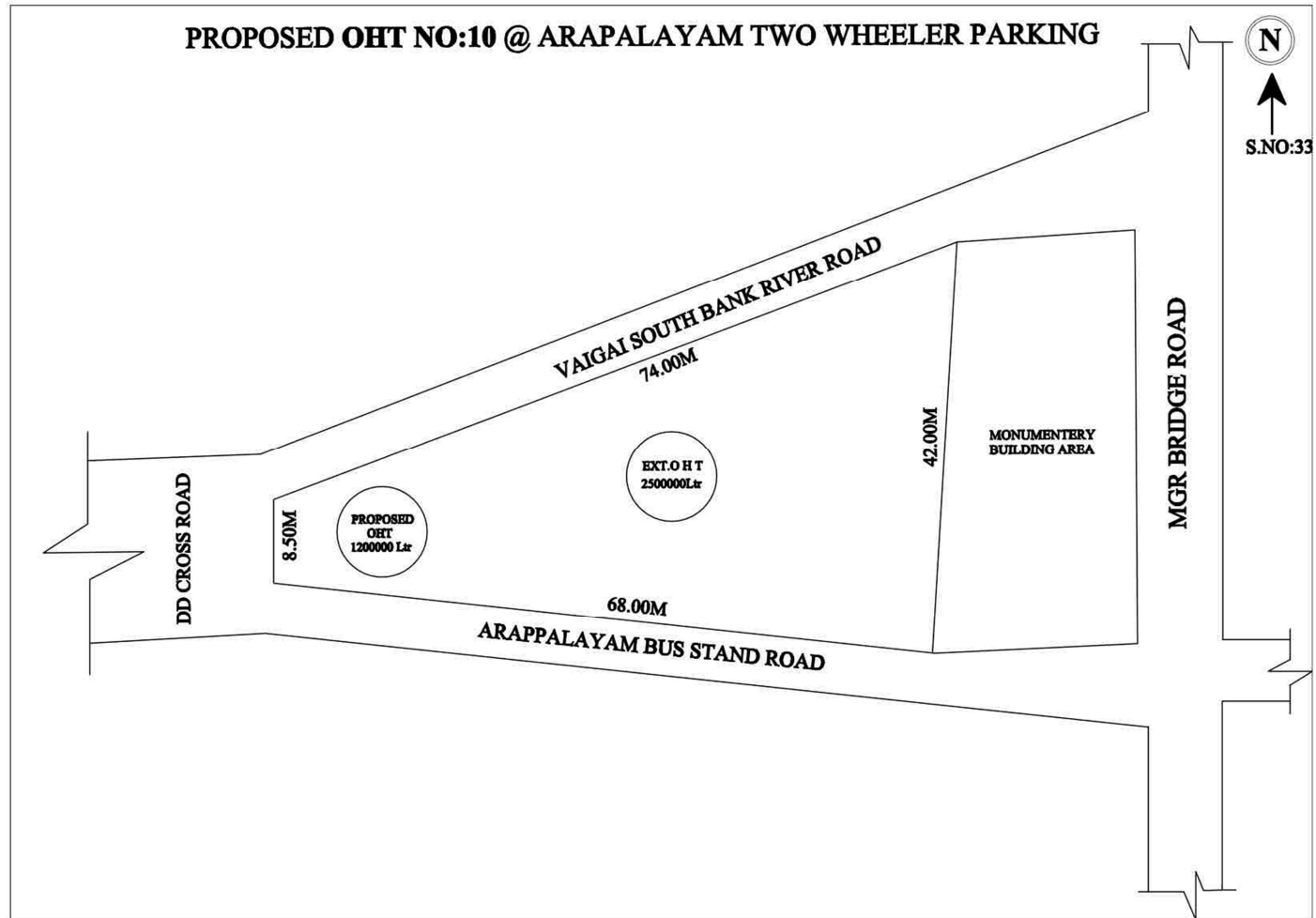


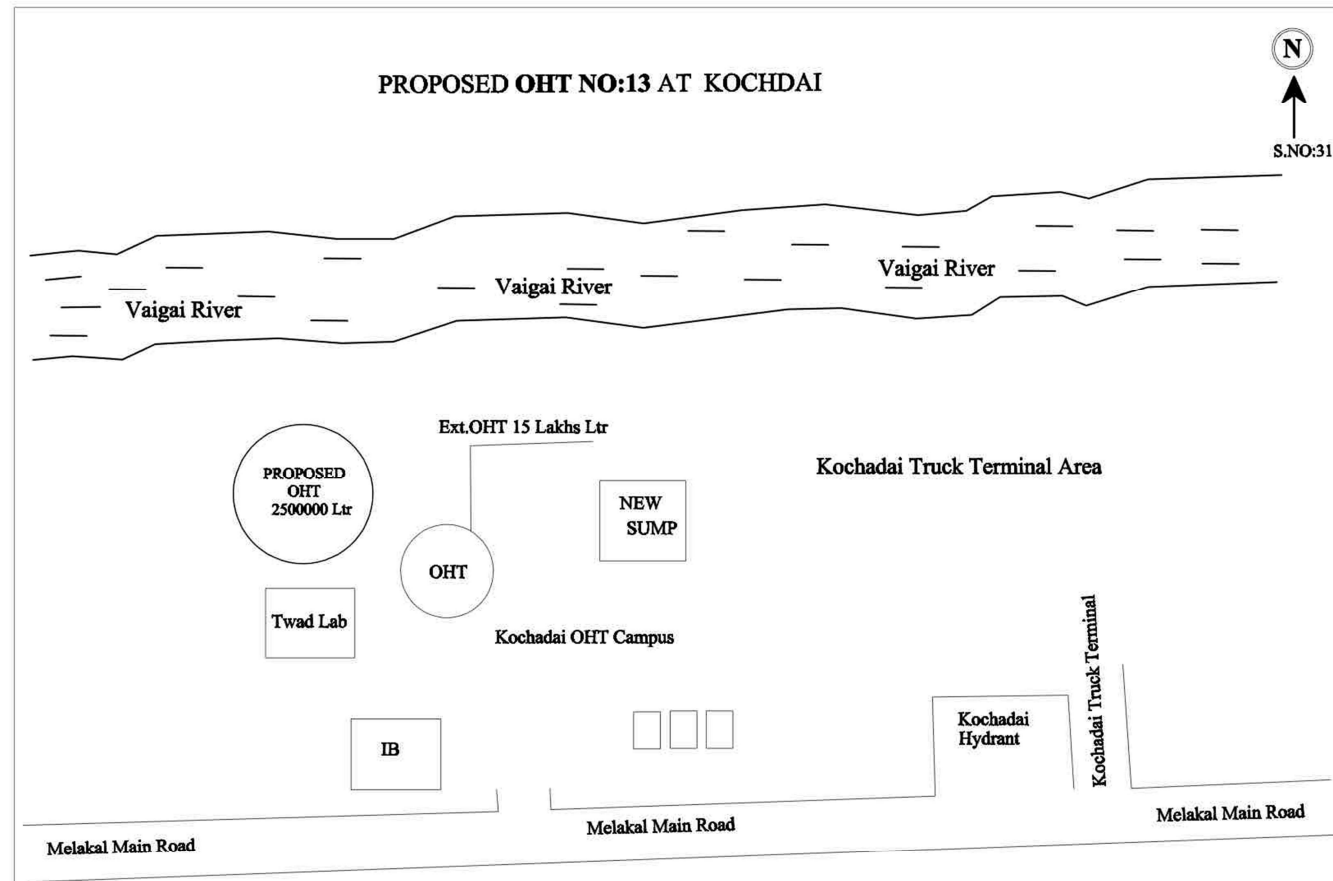


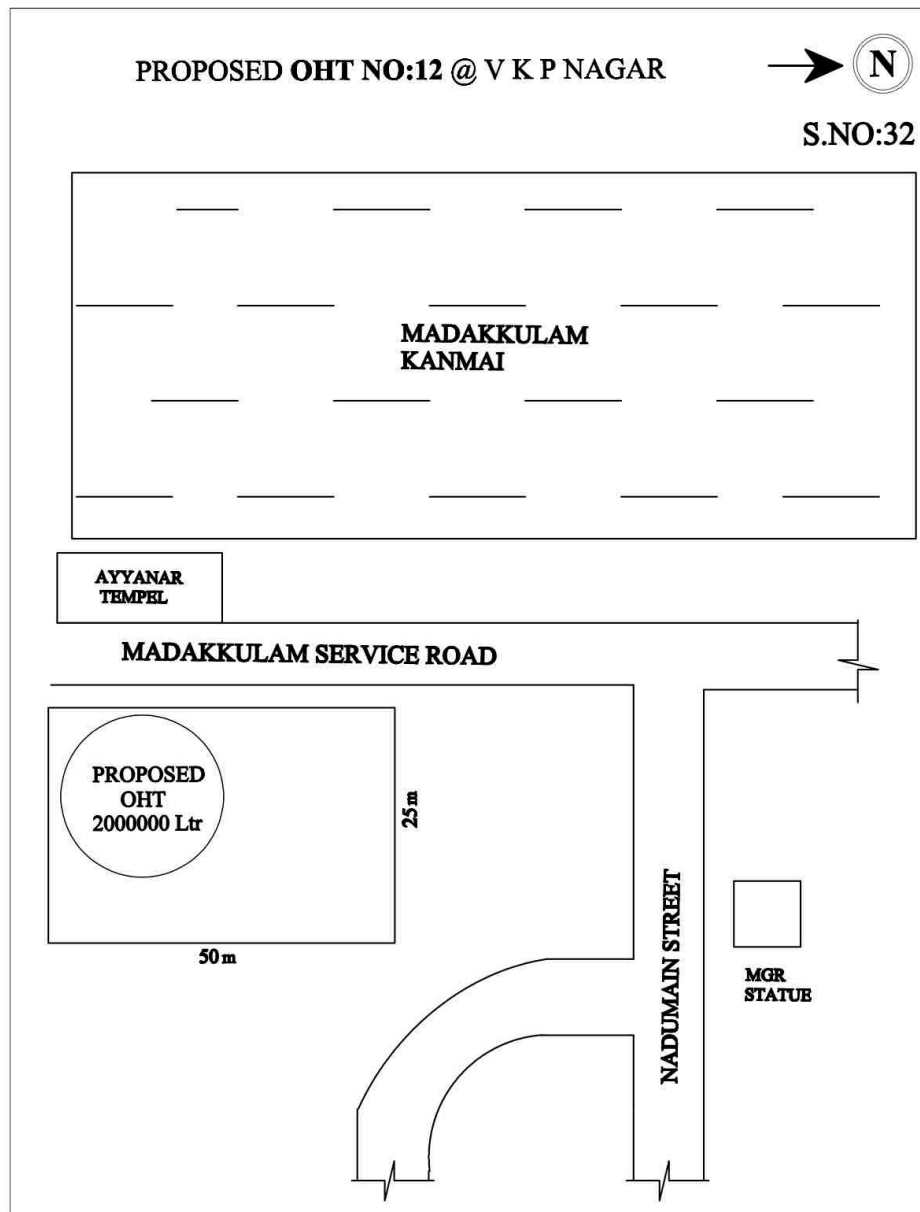


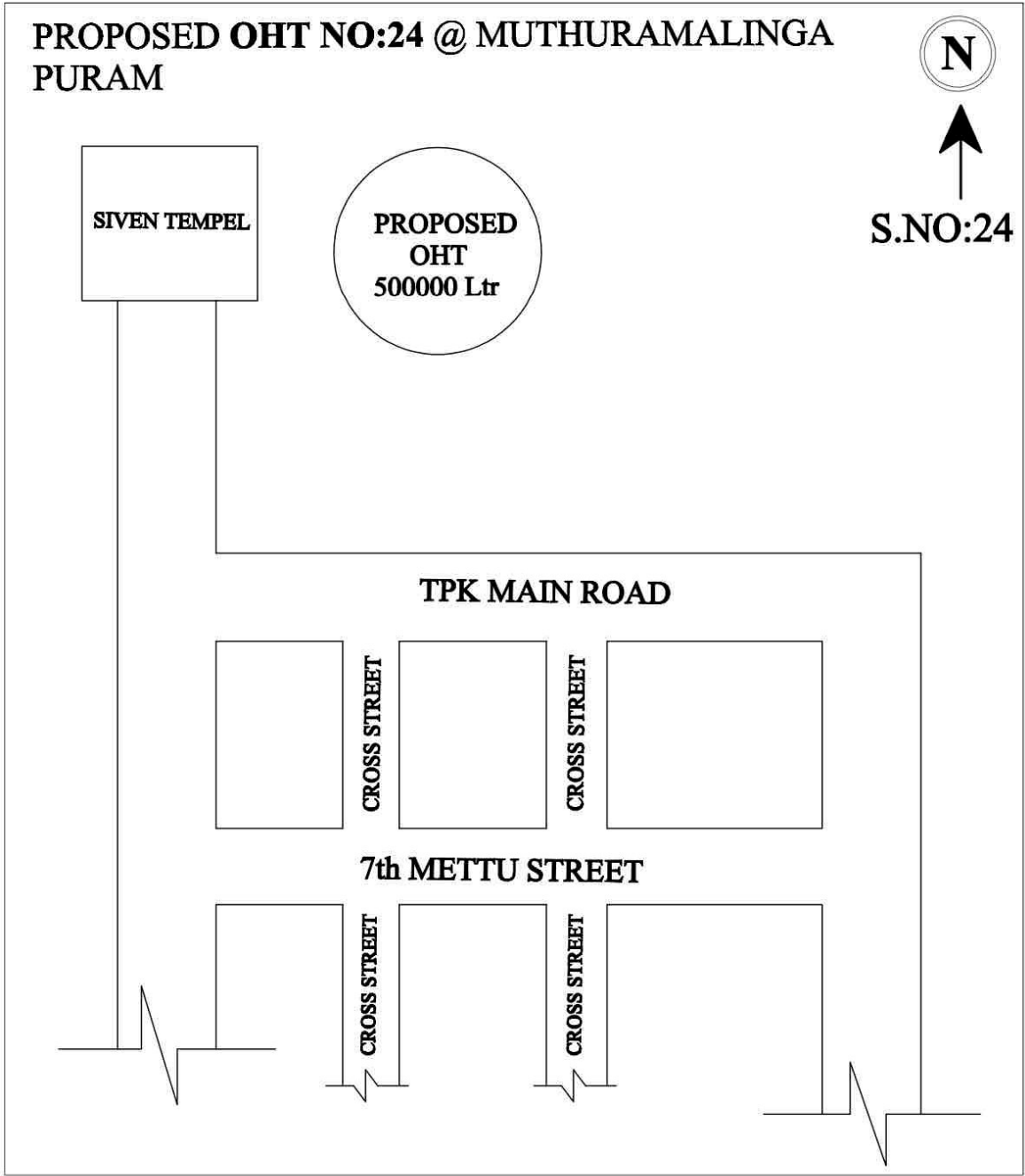


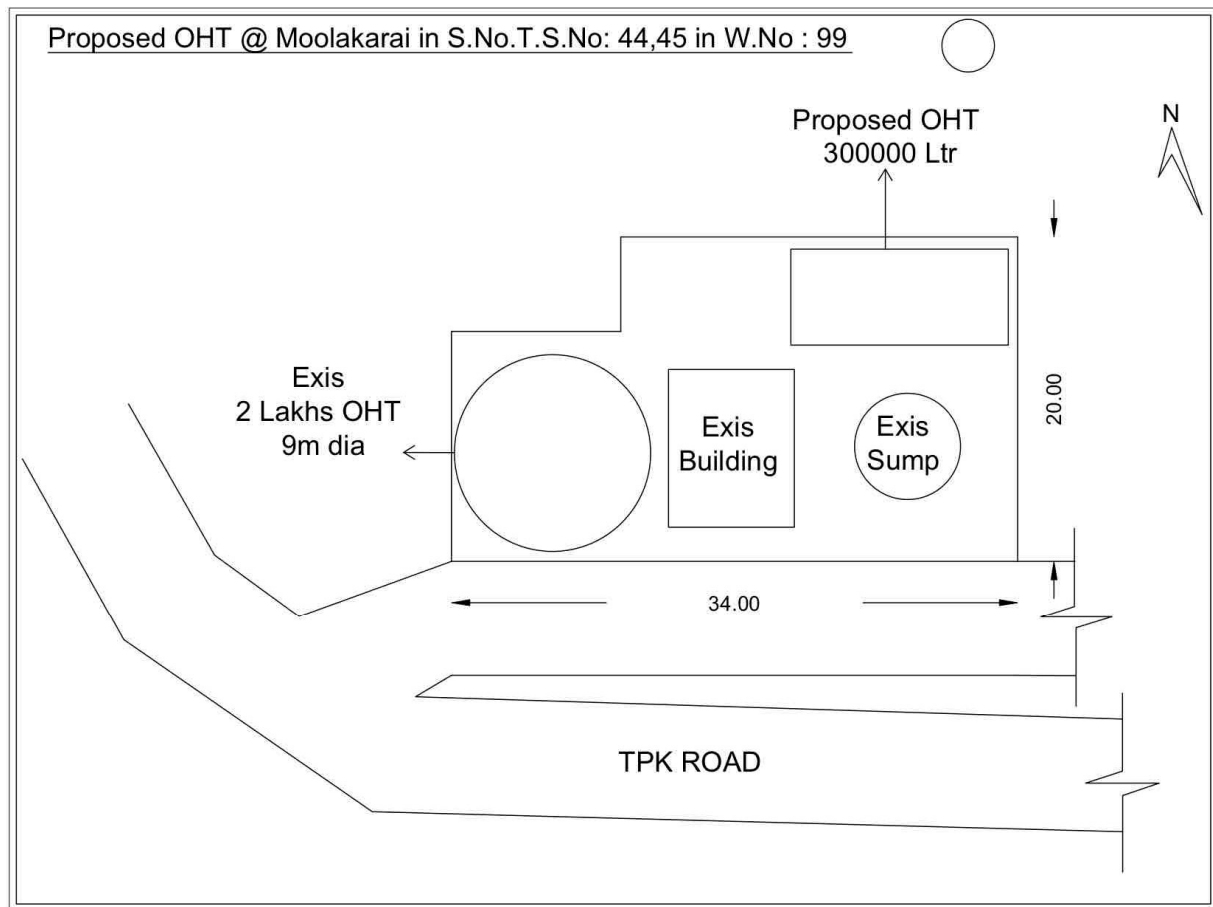


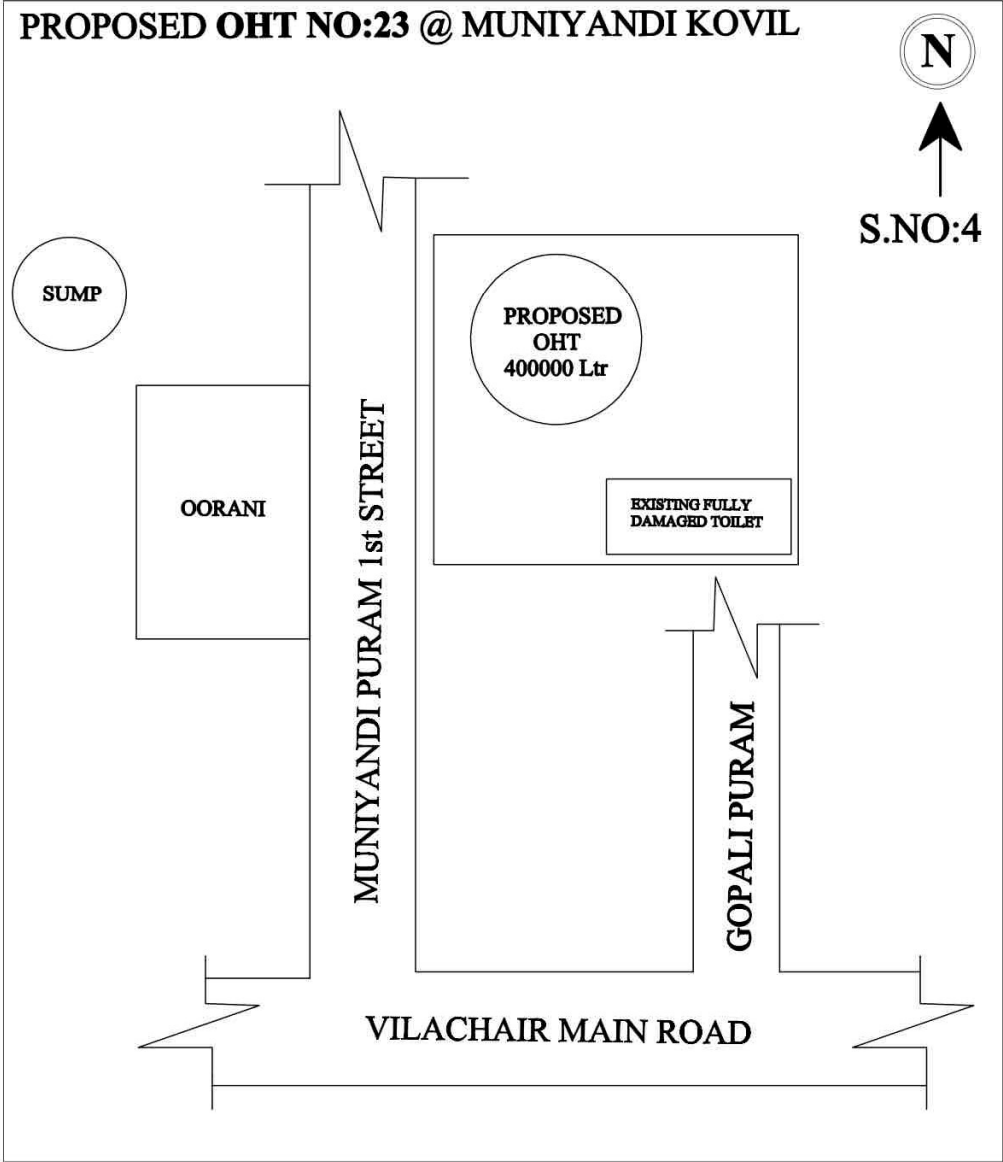


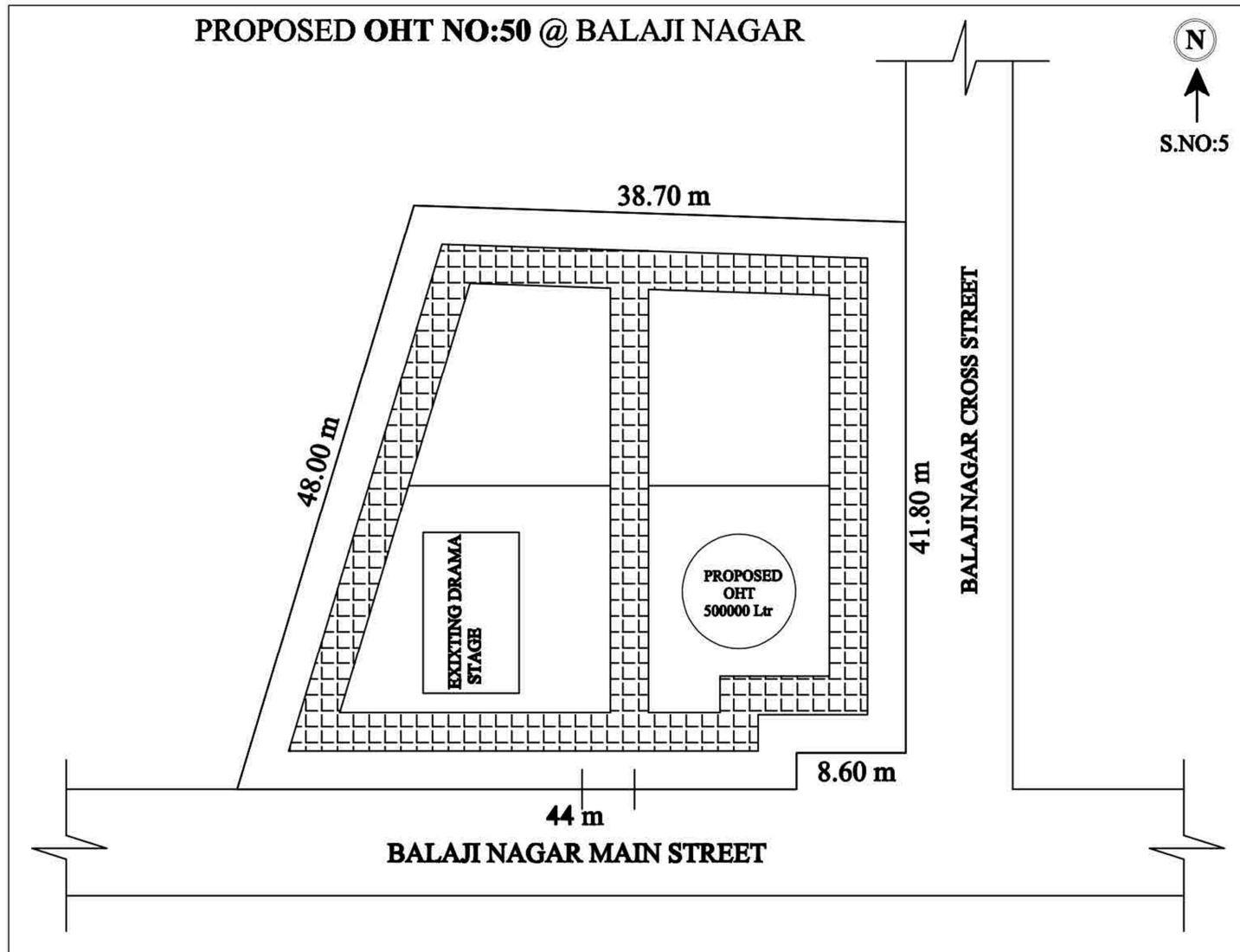


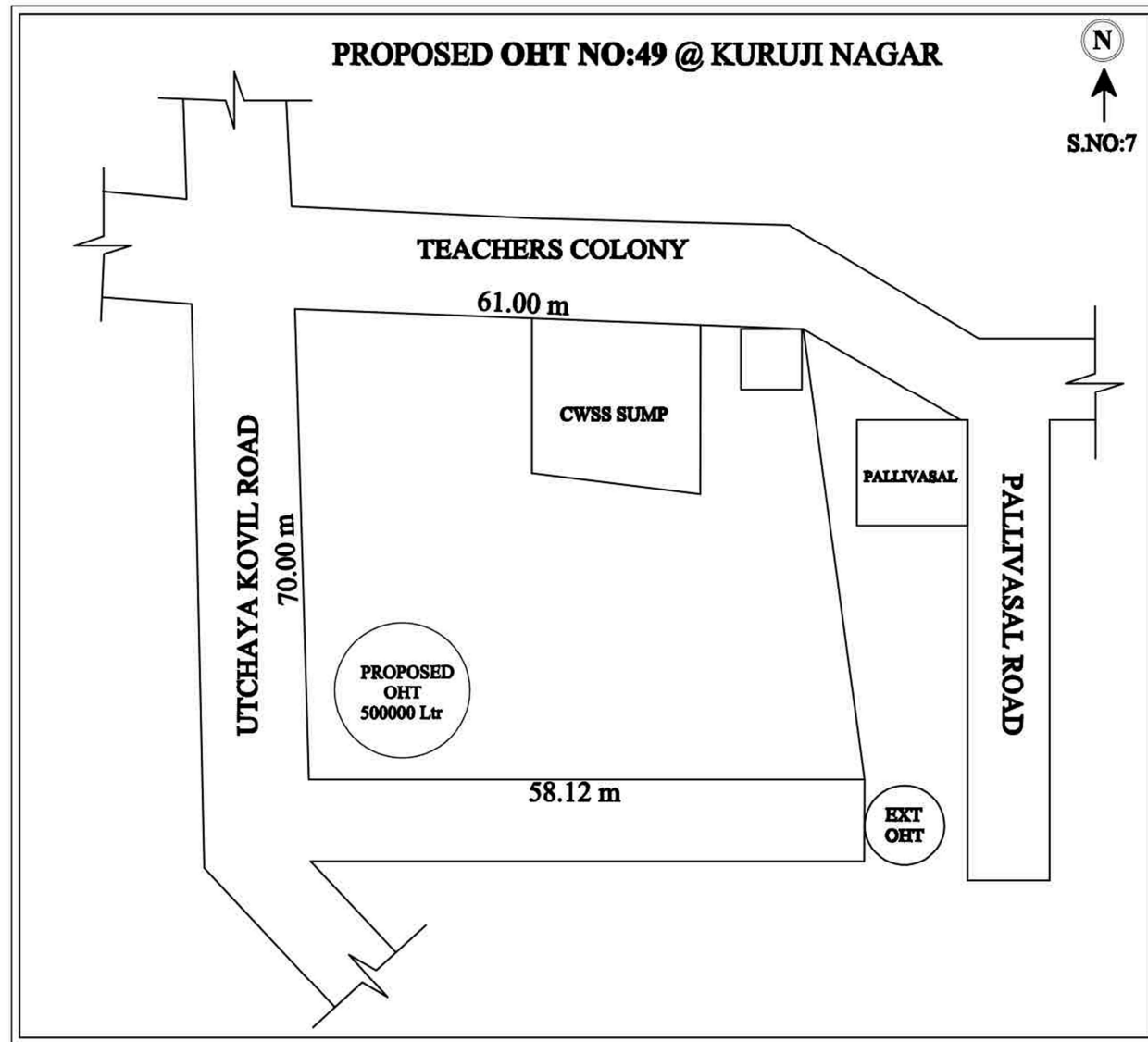


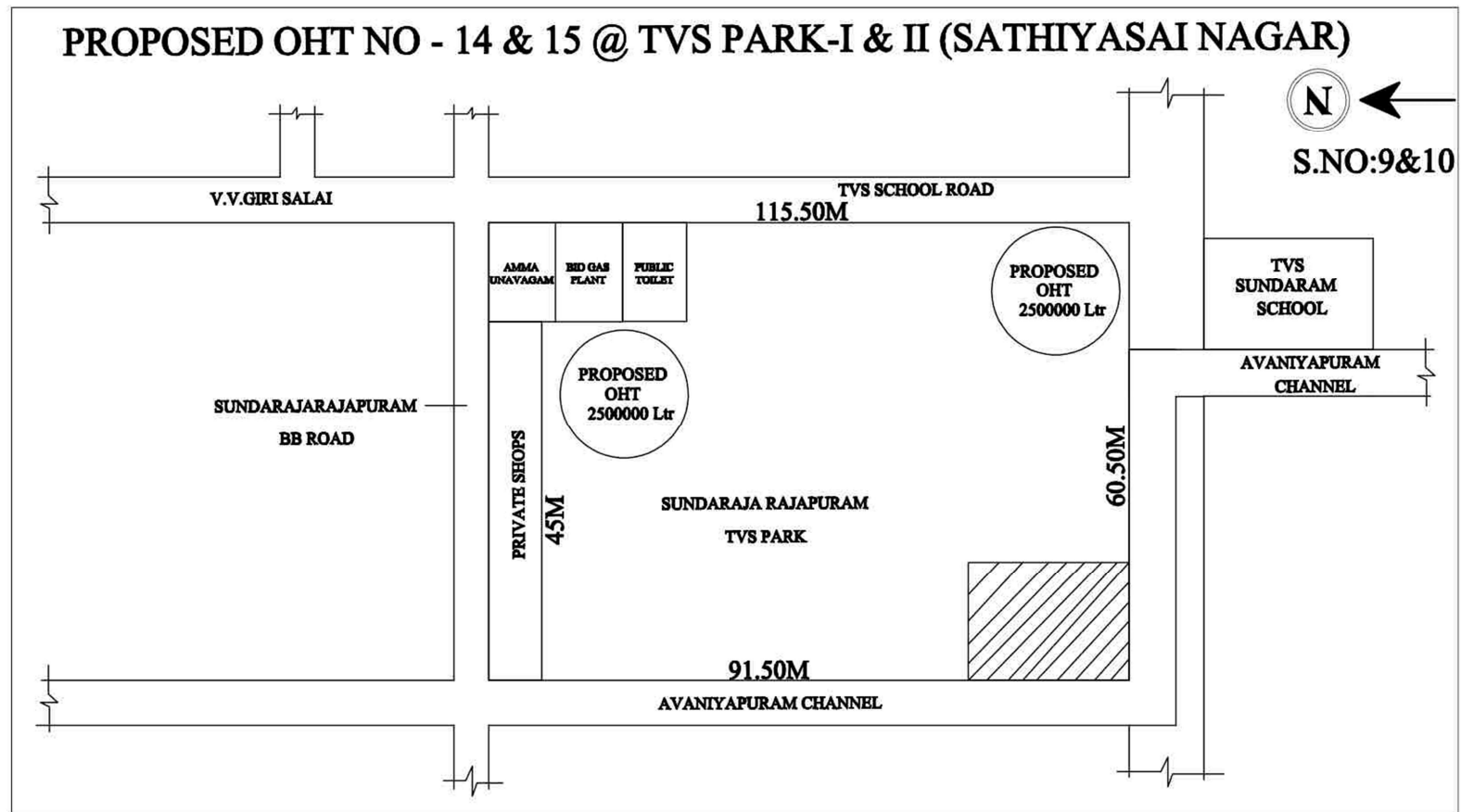


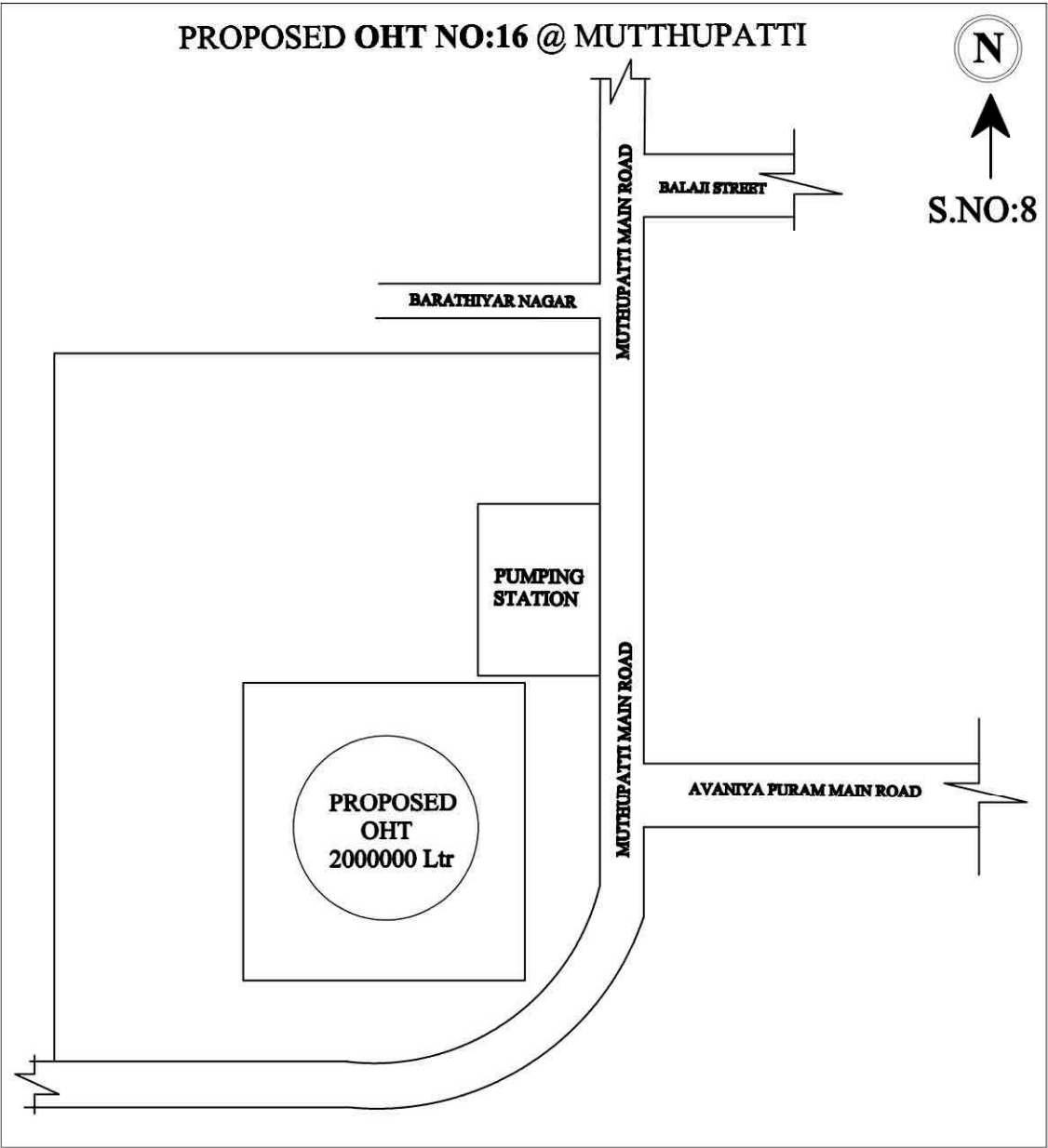


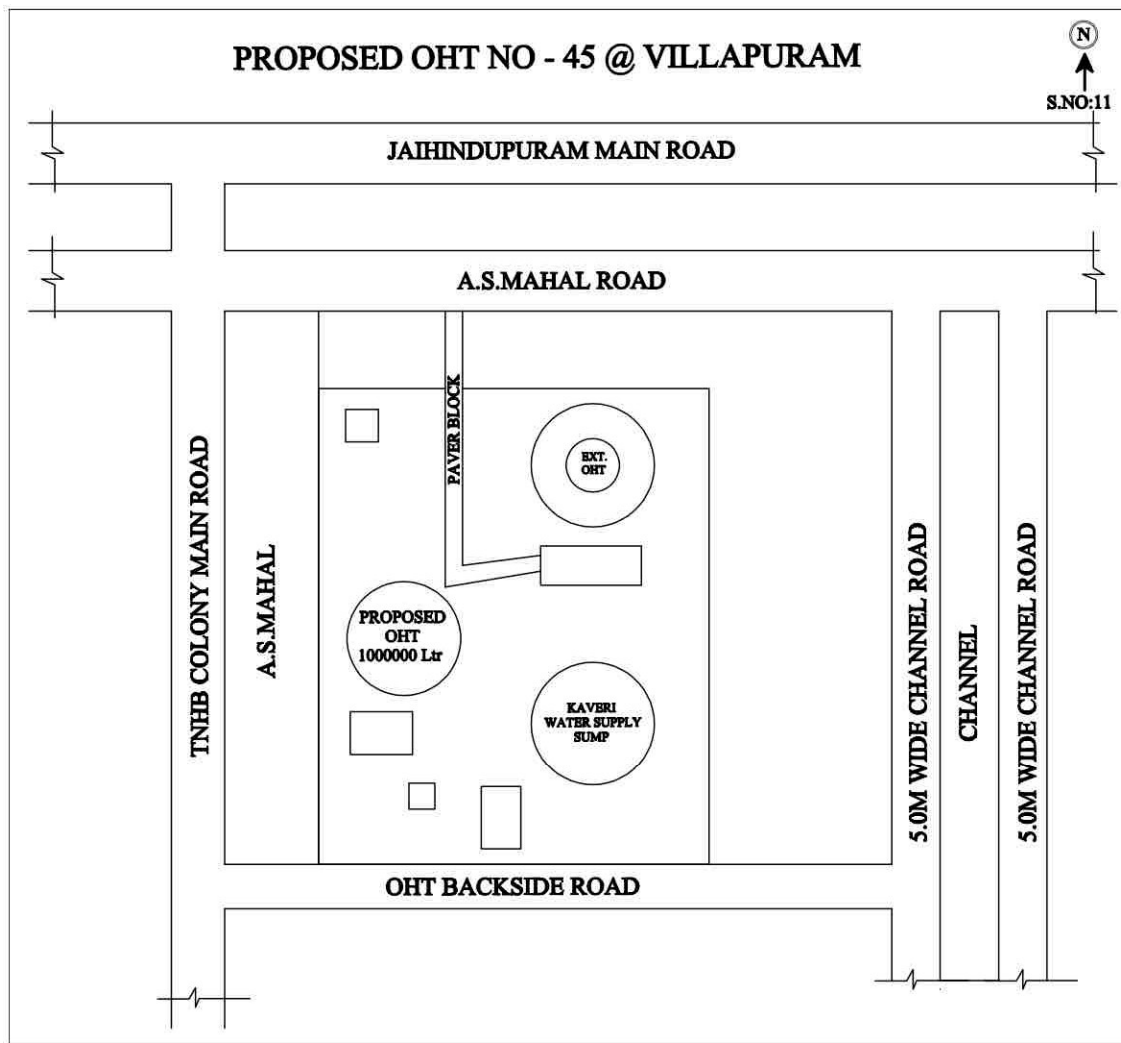


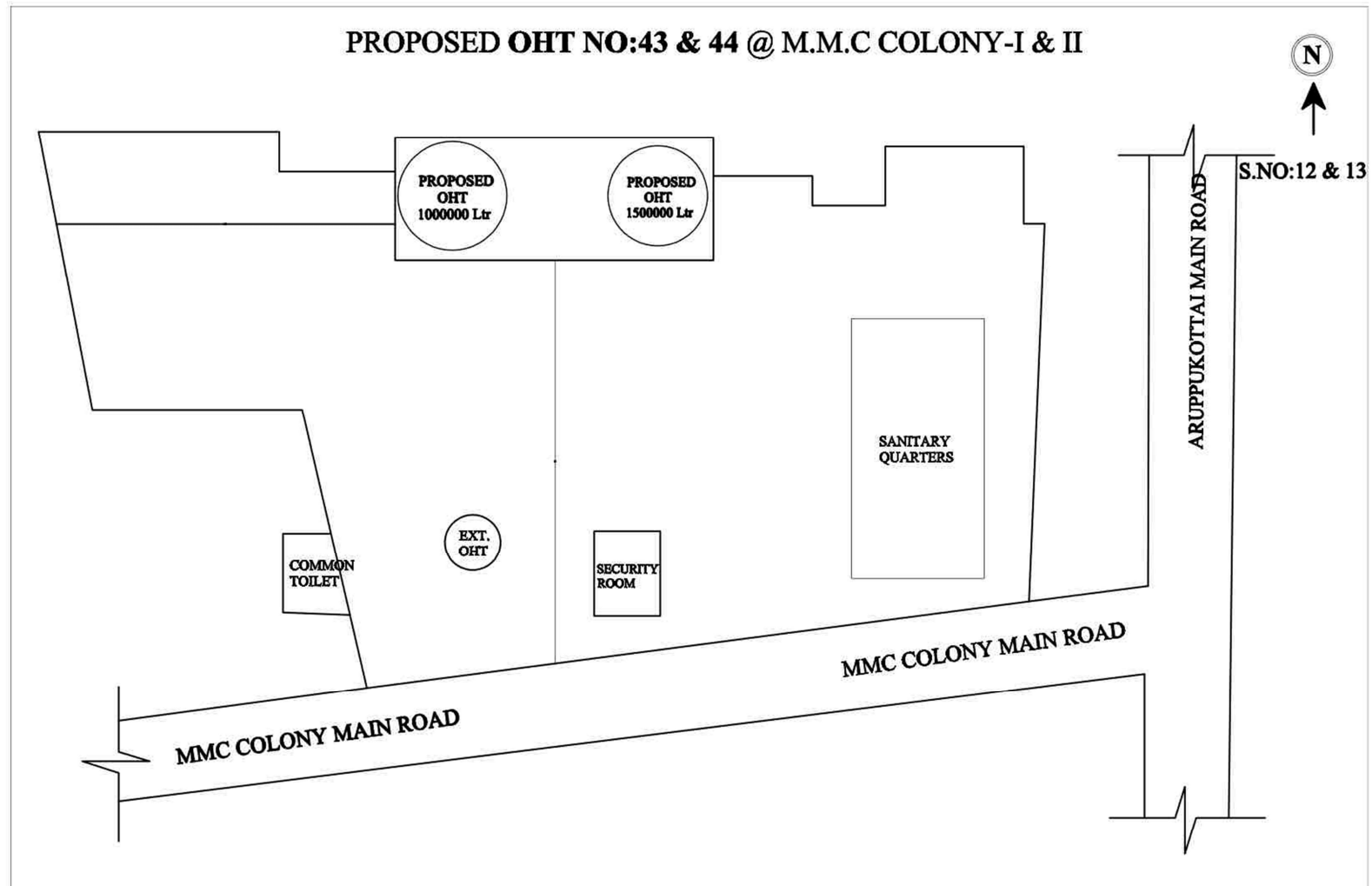


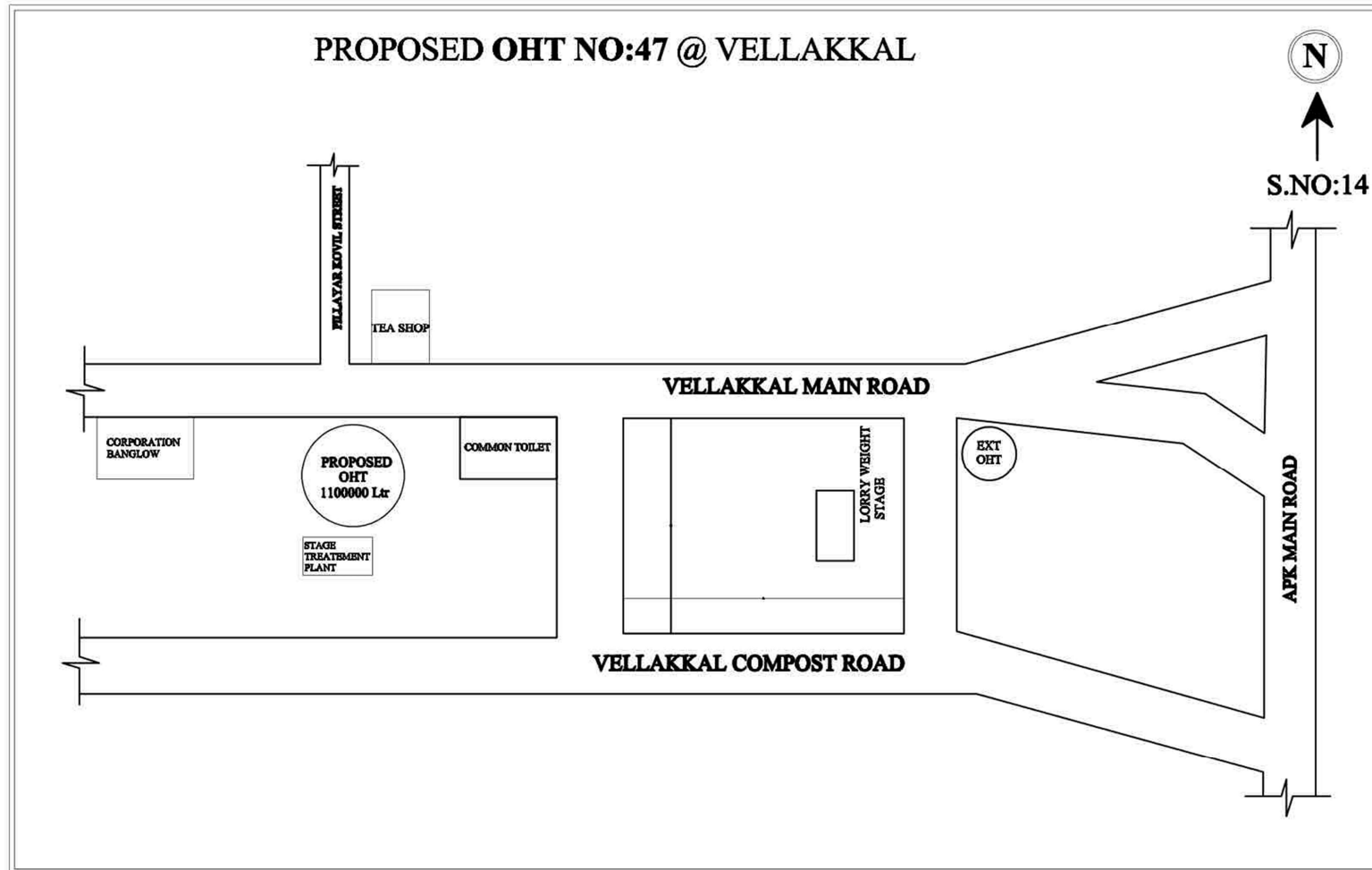


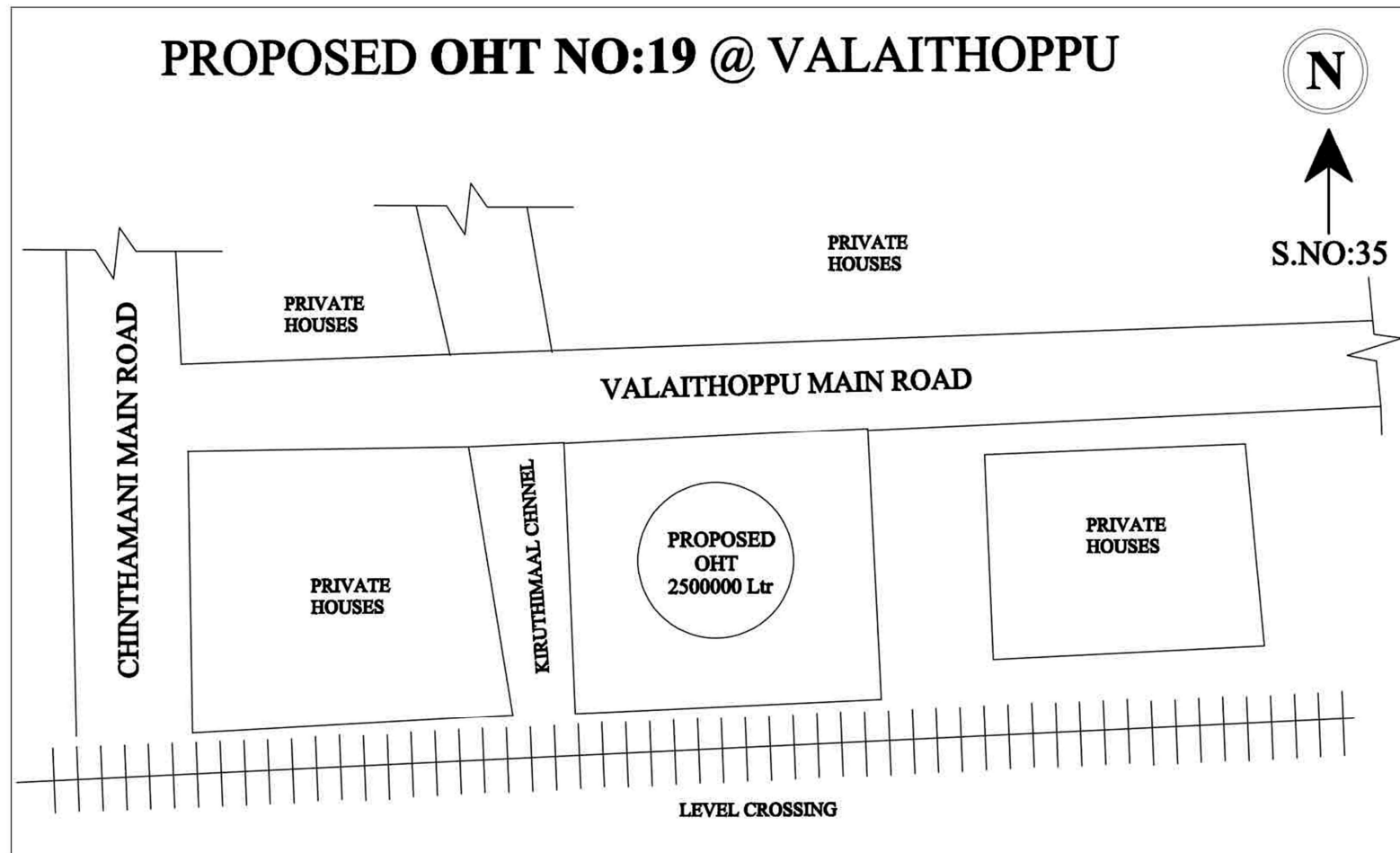


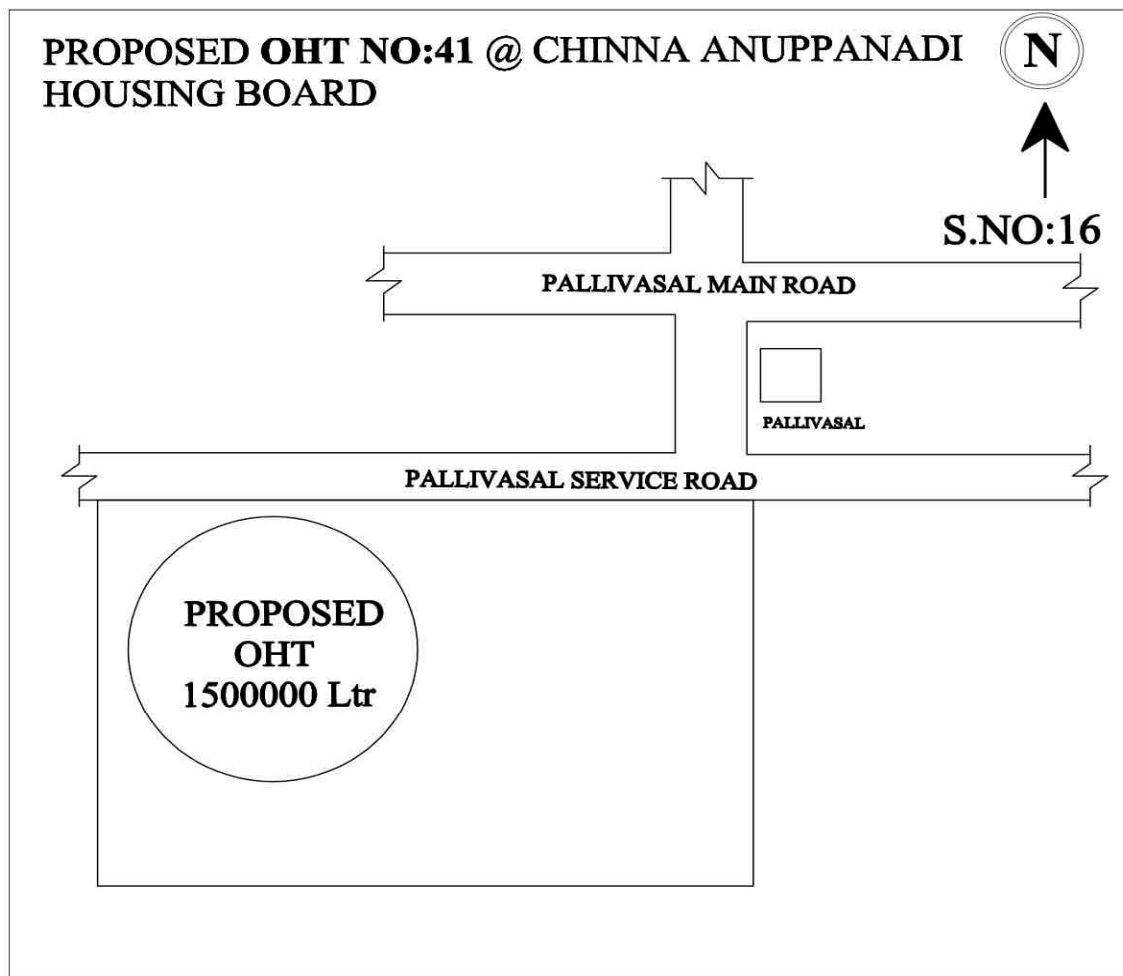


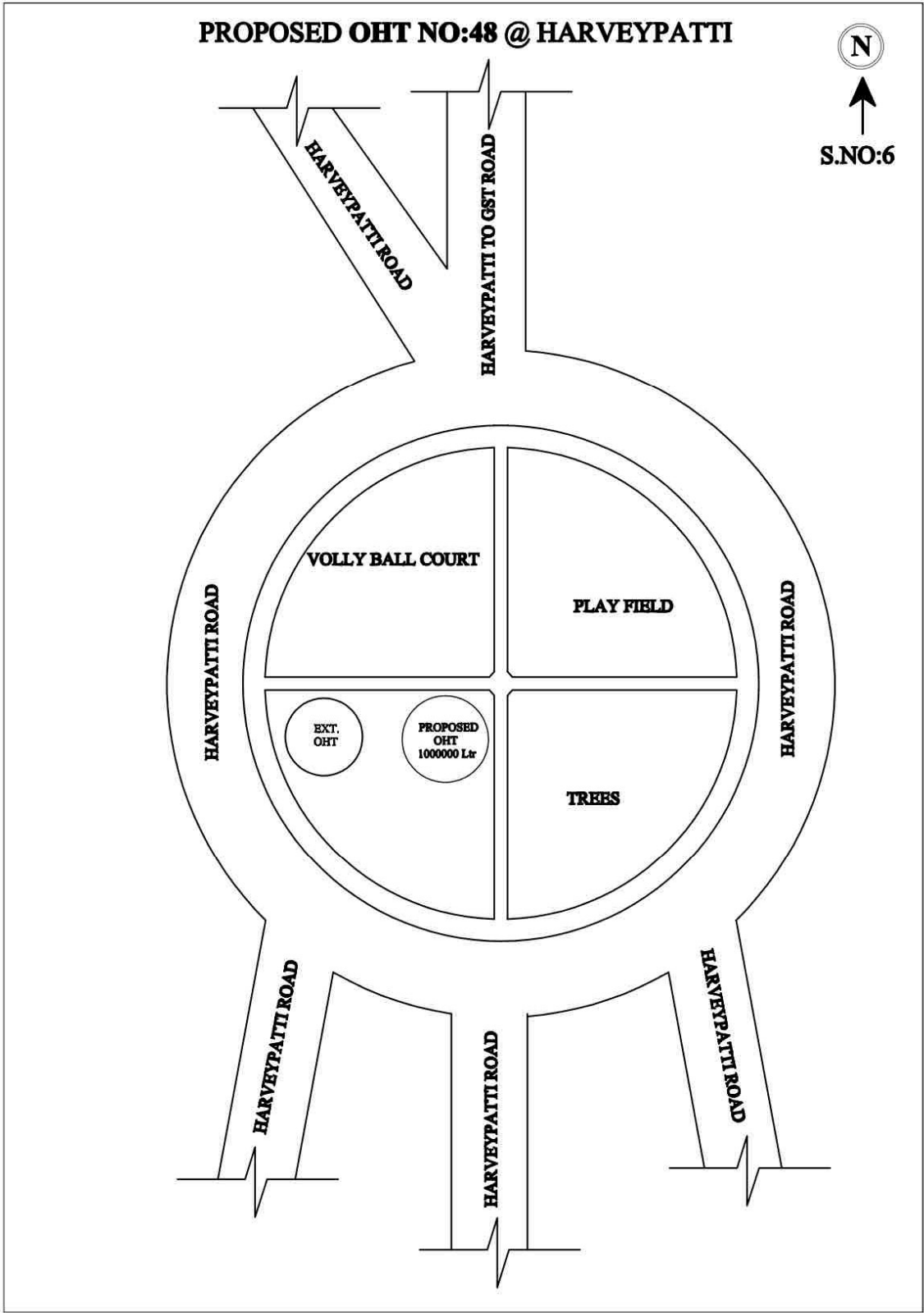


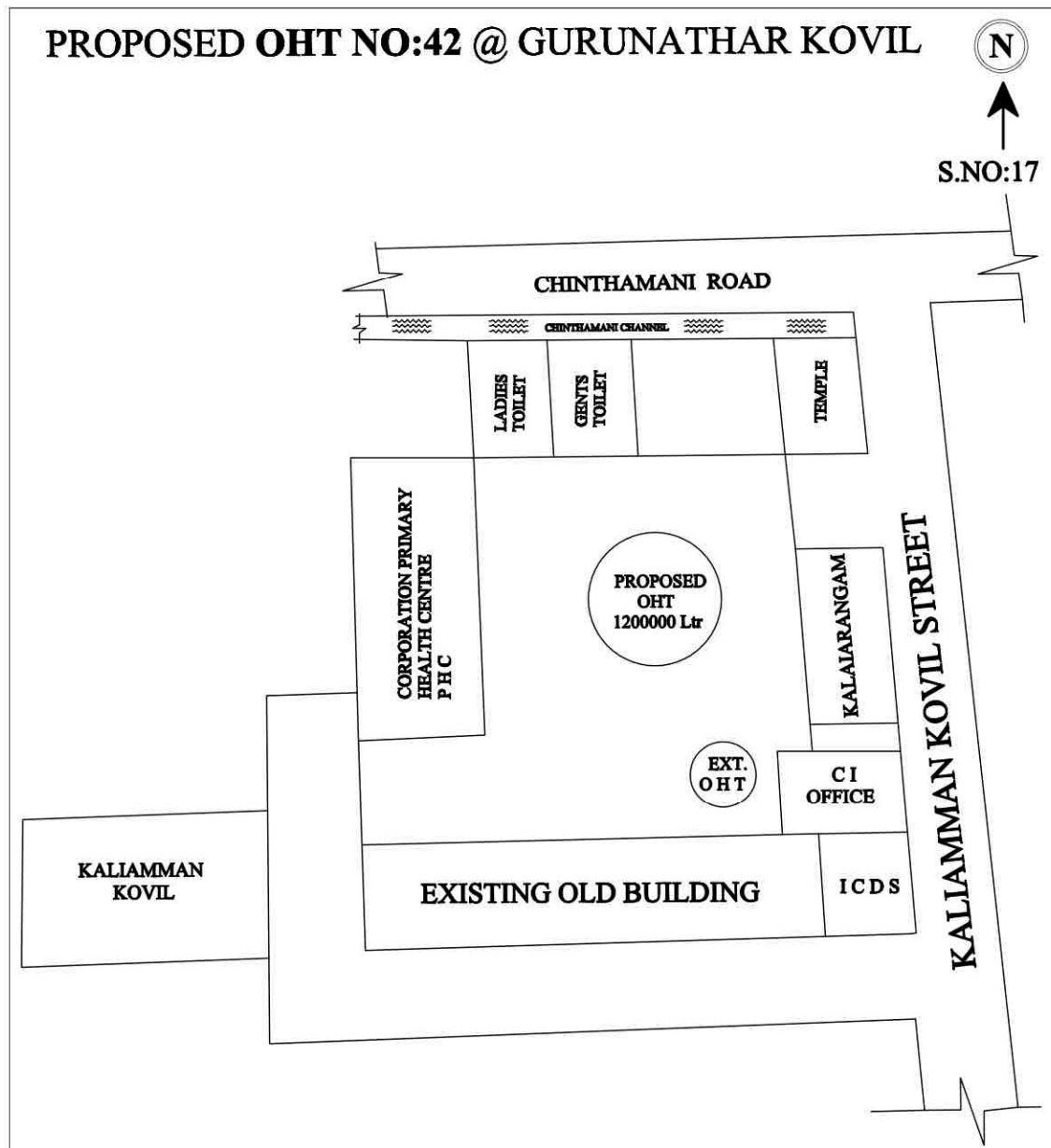


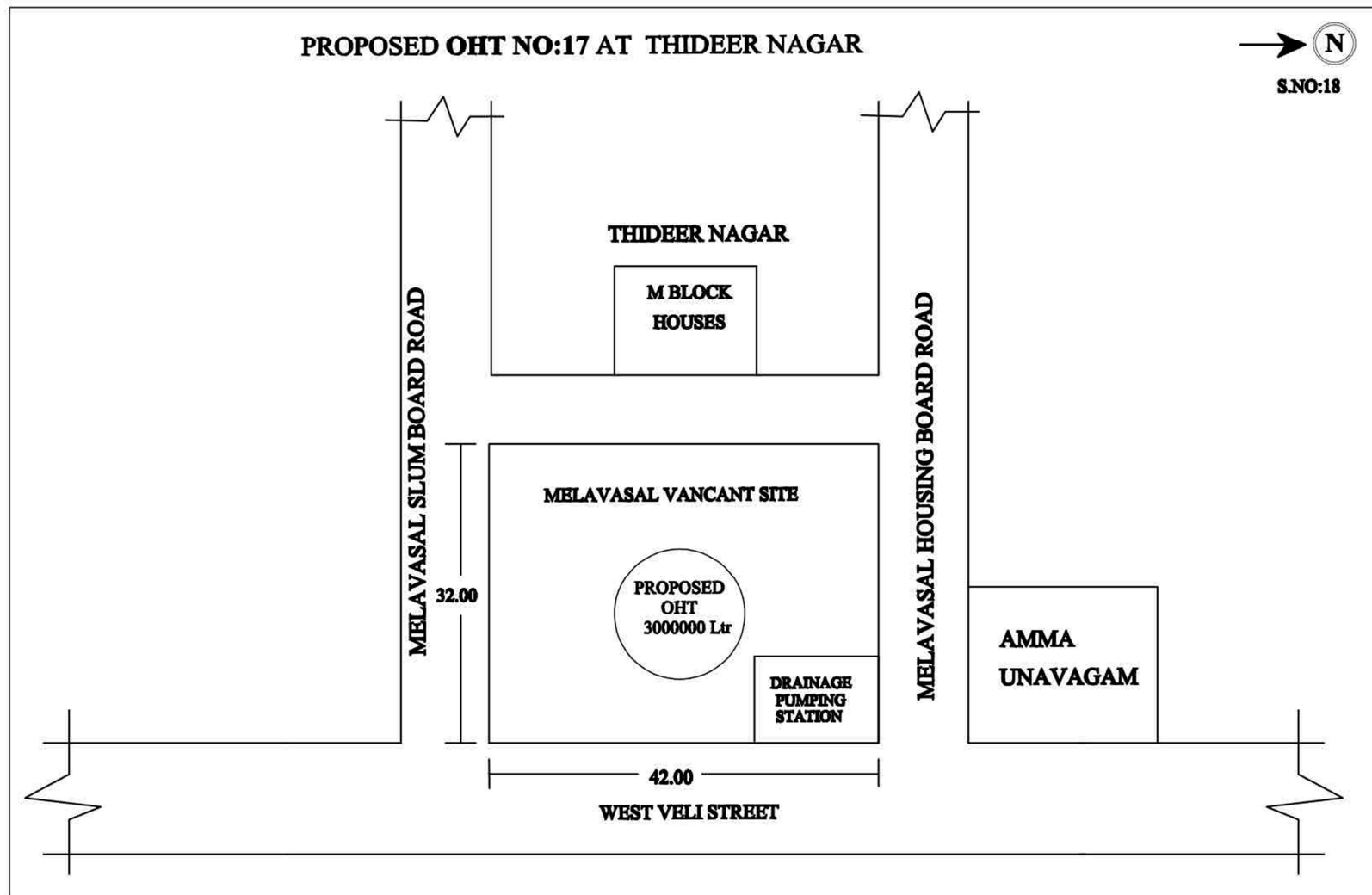


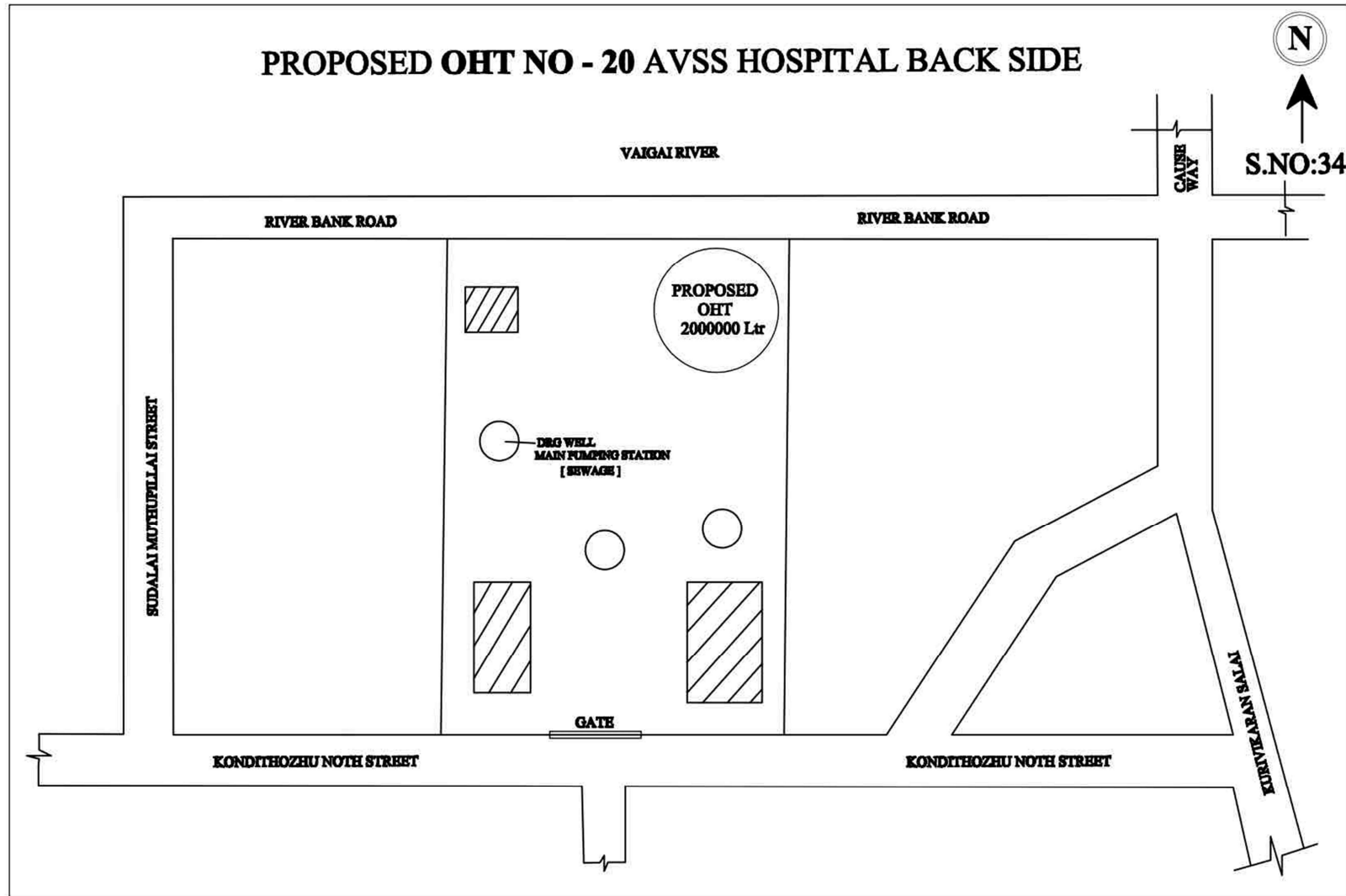


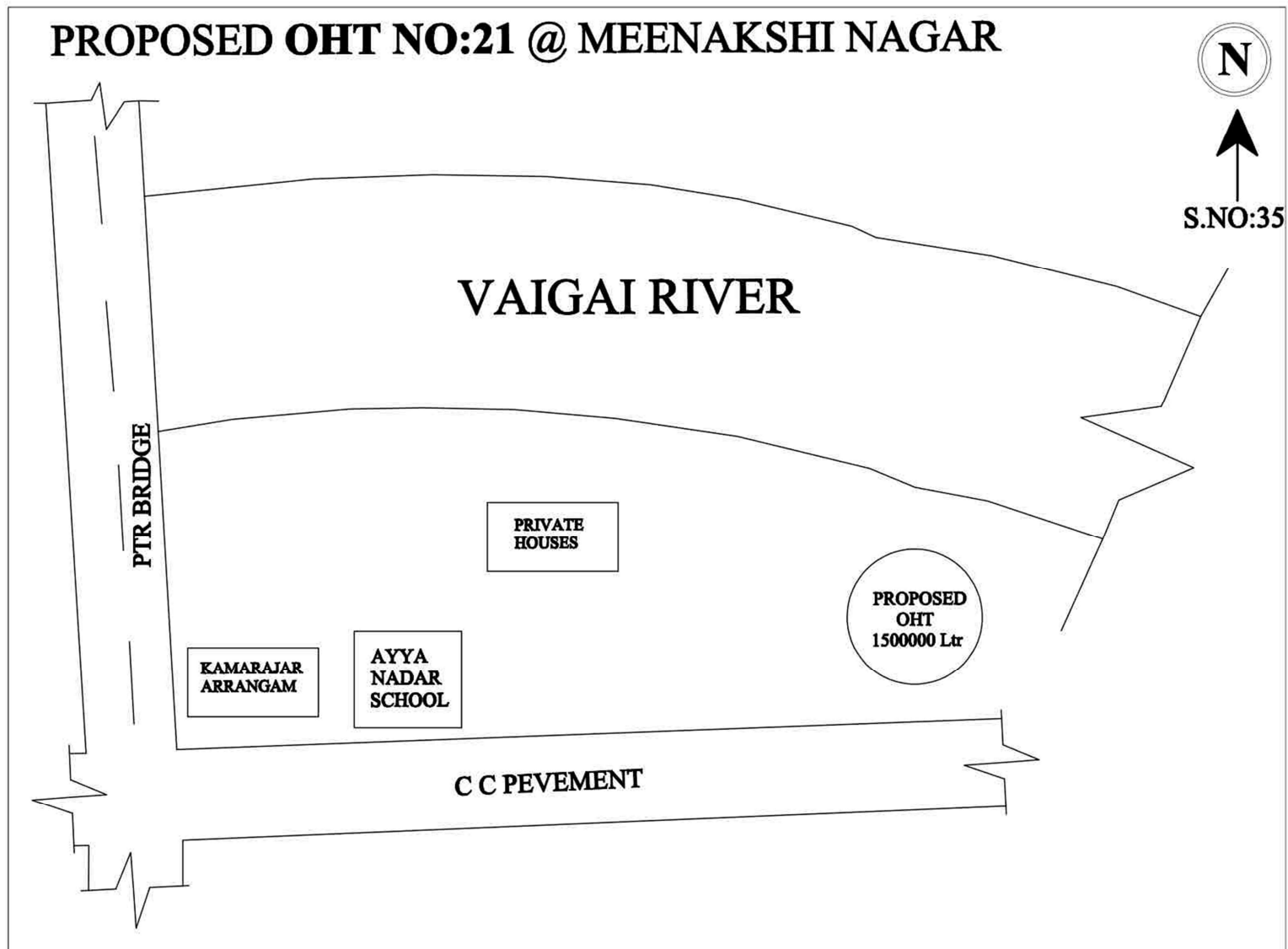


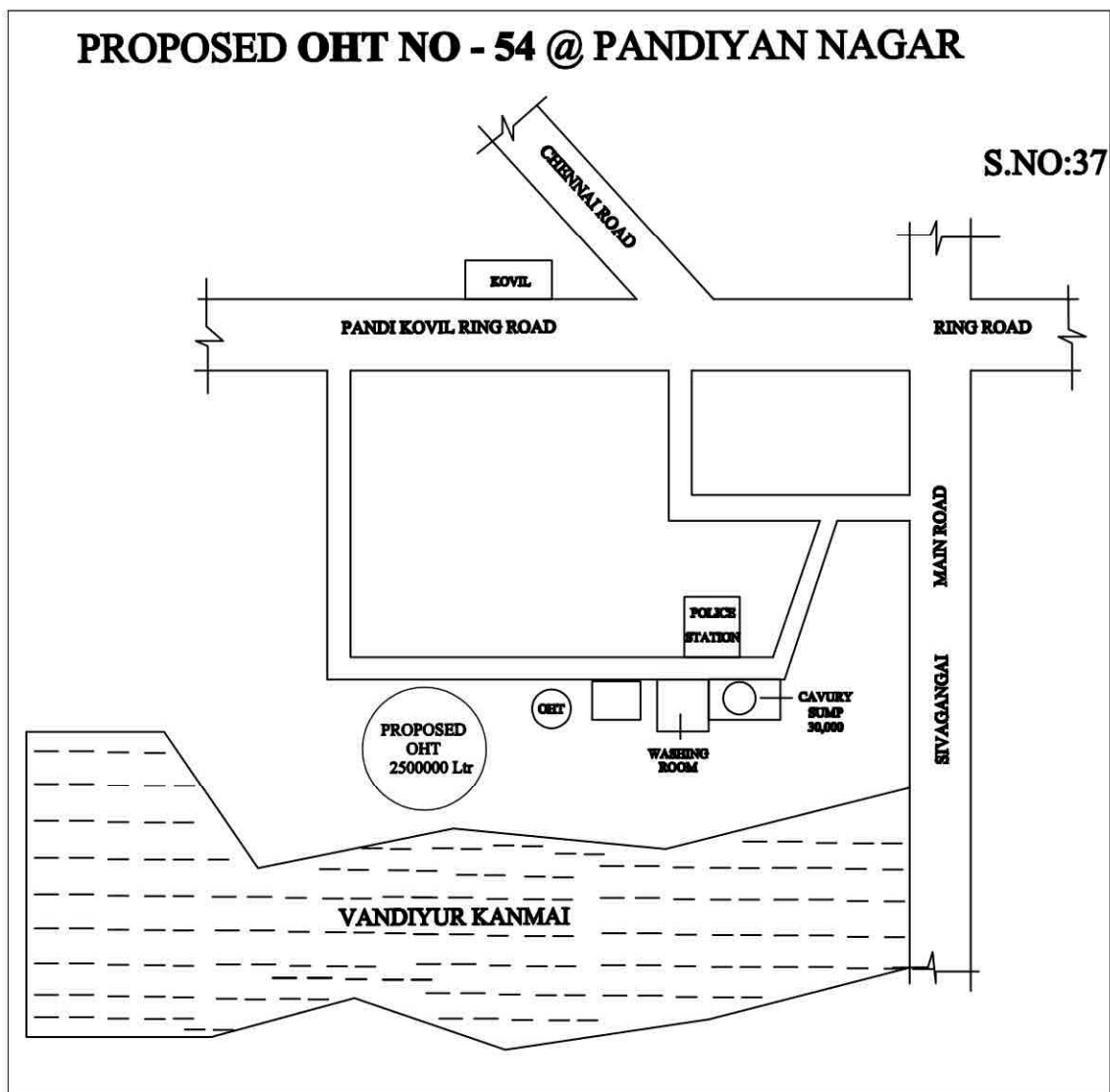


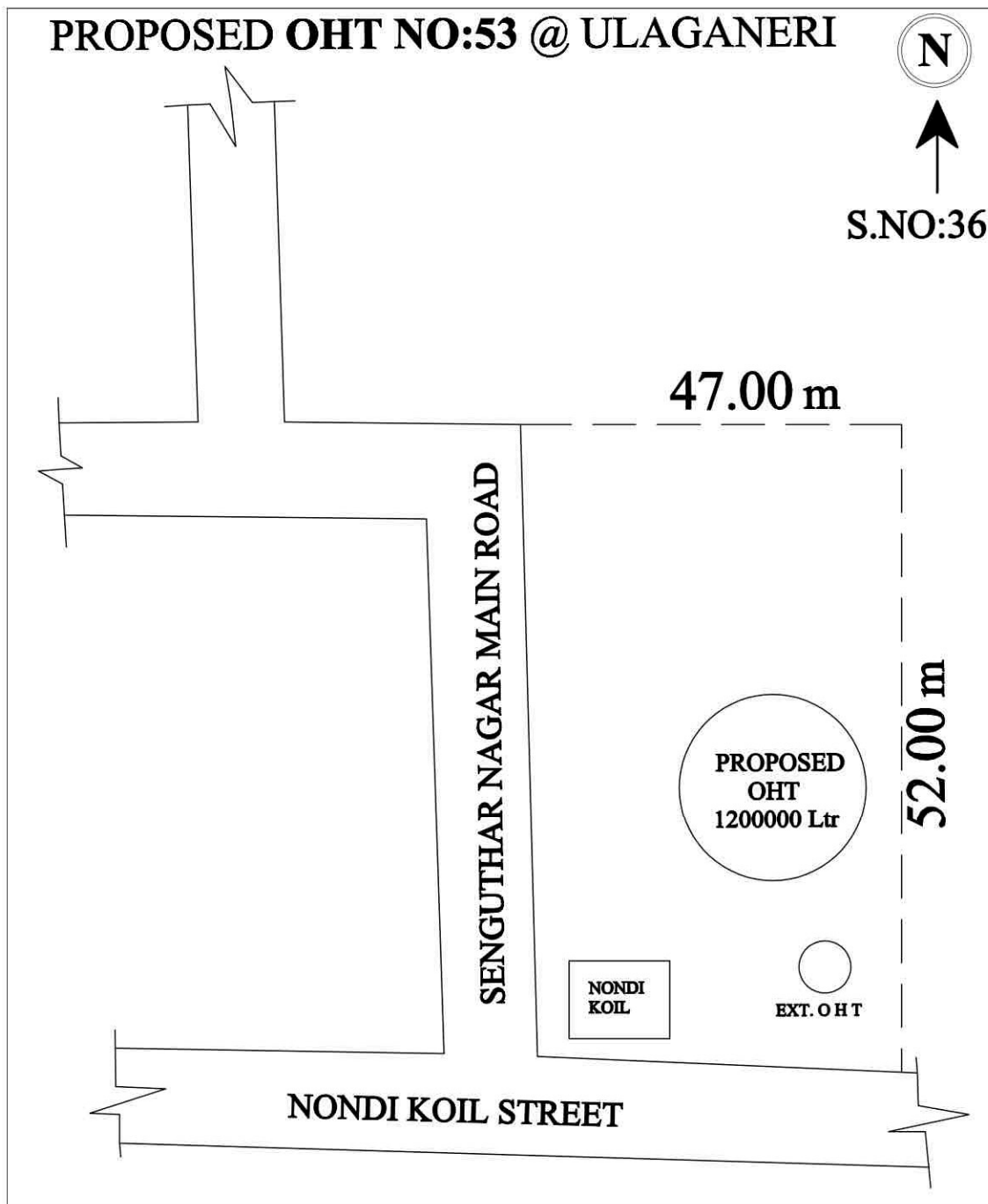












PROPOSED STRUCTURE OF SUBPROJECT INFORMATION DISCLOSURE LEAFLET

Up to 2-3 pages maximum.

Subproject Information	Description
Name of the subproject, EA/IA and city	
Proposed subproject technical details and project benefits	
Summary of subproject impacts	
Compensation and entitlements	
Resettlement Plan budget	
Resettlement Plan implementation schedule	
Consultation and disclosure requirements	
Implementation structure and GRM information	
Contact numbers of GIAC, CMSC, PIU, PMU	

Attach list of affected persons and entitlement matrix to this leaflet. Provide translated copy in Tamil.

SAMPLE GRIEVANCE REGISTRATION FORM

(To be available in Tamil and English)

The _____ Project welcomes complaints, suggestions, queries, and comments regarding project implementation. We encourage persons with grievance to provide their name and contact information to enable us to get in touch with you for clarification and feedback.

Should you choose to include your personal details but want that information to remain confidential, please inform us by writing/typing ***(CONFIDENTIAL)*** above your name. Thank you.

Date	Place of registration	Project Town			
		Project:			
Contact information/personal details					
Name		Gender	* Male * Female	Age	
Home address					
Place					
Phone no.					
E-mail					
Complaint/suggestion/comment/question Please provide the details (who, what, where, and how) of your grievance below:					
If included as attachment/note/letter, please tick here:					
How do you want us to reach you for feedback or update on your comment/grievance?					

FOR OFFICIAL USE ONLY

Registered by: (Name of official registering grievance)	
Mode of communication: Note/letter E-mail Verbal/telephonic	
Reviewed by: (Names/positions of officials reviewing grievance)	
Action taken:	
Whether action taken disclosed:	Yes No
Means of disclosure:	

TERMS OF REFERENCE FOR INDEPENDENT THIRD PARTY FOR NEGOTIATED SETTLEMENT OR VOLUNTARY LAND DONATION

For any negotiated settlement / voluntary donation of land, an external independent entity will be identified by PMU to supervise and document the consultation process and validate the negotiated settlement / land donation process as per legal requirement.

TOR for Independent Third Party Witness

An independent third party is sought to be appointed to oversee and certify the process of negotiated settlement / land donation. The third party shall be briefed about his/her expected role and deliverables by the SPO PMU.

Eligibility: The third party shall be a representative of the community (for example, a senior government officer, a leader of the community, a representative of a local NGO/CBO, principal of a local college/university professor), without any direct interest in the negotiation process, who is acceptable to each of the concerned parties (ULB and concerned land owner/donor).

Scope of work: The role of the third party shall be to ensure a fair and transparent process of negotiation/donation. The envisaged scope of work shall entail the following:

- (i) witness and keep a record of meetings held with the concerned parties,
- (ii) ensure there is no coercion involved in the process of negotiated settlement / land donation,
- (iii) ensure that the preferences and concerns of the land owner / donor related to access, selection of site within lands held, etc. are recorded and any stipulated conditions met,
- (iv) ensure that the negotiated settlement / land donation agreement is drafted in a fair and transparent manner,
- (v) identify and recommend mitigation measures to land owner / donor, if required,
- (vi) ensure that taxes, stamp duties and registration fees for purchased / donated land are borne by government, and
- (vii) submit a certificate as witness to the negotiated settlement / donation and transfer process.

Deliverables: The details of the meetings, and a certificate as witness to the negotiated settlement / donation process and mitigation measures to owner / donor, if any, shall be submitted by the third party to PMU, PIU and owner/donor in the local language

Land Acquisition and Involuntary Resettlement Due Diligence Report for Proposed Water Treatment Plant at Madurai City

I. INTRODUCTION

1. The proposed Tamil Nadu Urban Flagship Investment Program (TNUFIP) is aligned to support in the following: (i) urban infrastructure across the state improved and world class cities focusing on universal access to 24x7 water supply services and sanitation facilities including tertiary treatment of sewage to become engines for economic growth developed;¹ (ii) five industrial corridors developed (footnote 1); (iii) quality of life for all, especially the poor and the disadvantaged improved;² (iv) a clean and sustainable environment provided.³ TNUFIP will focus on cities in five priority economic corridors: (i) Chennai-Hosur, (ii) Chennai-Tiruchirapalli, (iii) Coimbatore-Madurai, (iv) Coimbatore-Salem, and (v) Madurai-Thoothukudi. The reform-based component of the program will seek to provide results-based performance incentives to select cities and towns.

2. The program shall also focus on transformative investments in 24x7 water supply, full sanitation coverage smart water management, and urban climate change resilience drawing from the support of various Asian Development Bank (ADB) grant technical assistance. The TNUFIP is envisaged to be structured under three main components: (i) investment in municipal infrastructure namely water supply and sewerage, (ii) municipal reform-based activities, and (iii) technical assistance for design, supervision, program management, reforms, and climate change. TNUFIP will be implemented over an 8-year period beginning in 2018 and will be funded by ADB via its MFF. The impact of the TNUFIP will be improved liveability and resilience in urban areas of economic importance in Tamil Nadu. Tranche-1 of TNUFIP covered underground sewerage system (UGSS) improvements in cities of Tirunelveli, Coimbatore, Trichy, Vellore, Rajapalayam and Chennai, and water supply system (WSS) improvements in selected areas of Chennai Metropolitan region. Tranche-2 of TNUFIP will cover UGSS improvements in remaining areas of Vellore and Trichy and additionally cover cities of Ambur and Tirupur. Tranche-2 will also cover WSS improvements in cities of Coimbatore, Madurai and Tirupur.

3. As per Census 2011, Madurai Corporation area spreads over 150 km² comprising around 1.5 million population in 100 municipal wards. Currently, main source of water supply to the core city comprising 72 wards is from Vaigai Dam which is filled up from Mullai Periyar Dam. The city also has existing water treatment plant (WTP) of capacity 118.6 MLD commissioned in 1995. The existing piped water supply network covers around 59 percent of the households. The remaining peripheral added areas that comprise three municipalities, three town panchayats and 11 rural panchayats are served from various surface and ground water sources. The current water supply from various sources is assessed at 192 MLD. It is estimated that to cater to the projected population of 1.92 million for the intermediate design year 2034, a total of 317 MLD water supply is required. To meet the demand gap of 125 MLD, under ADB funded TNUFIP, following sub-project components are proposed:

- (i) Construction of check dam, intake well and head works at Mullai Periyar dam to draw 130 MLD of raw water;

¹ Government of Tamil Nadu. 2012. [Vision 2023](#). Chennai.

² Government of India. 2015. [Mission Statement and Guidelines, Atal Mission for Rejuvenation and Urban Transformation \(AMRUT\)](#). New Delhi.

³ Government of India. 2015. [Smart Cities – Mission Statement and Guidelines](#). New Delhi.

- (ii) Laying of 89 km of raw water main of 1,400 mm dia. from dam to proposed water treatment plant (WTP) at Pannaipatty;
- (iii) Laying of 54.44 km of clear water main of 1,400 mm dia. from proposed WTP at Pannaipatty to Madurai city;
- (iv) Construction of 130 MLD new water treatment plant (WTP);
- (v) Laying of 10.49 km of main feeder network;
- (vi) Laying of 74 km of feeder mains from Melur CWSS to various OHTs.
- (vii) Construction of 56 new OHTs.

4. This due diligence report (DDR) is prepared for the proposed water treatment plant (WTP) based on the detail design report prepared by the Madurai Corporation and will be an integral part of the resettlement plan prepared for the overall subproject for Madurai Water Supply Scheme (WSS). This DDR is in line with the resettlement framework prepared for the implementation of social safeguards under TNUFIP.

A. Description of the Subproject Component

5. The proposed water treatment plant (WTP) will be hydraulically designed for continuous operation to produce net output of 125 MLD in 24 hrs (considering the raw water intake available is 130 MLD with around 4-5 percent water losses during process). The treatment plant will broadly comprise cascade aerator, Parshall flume, flash mixer, clariflocculator, rapid gravity filters and chlorine mixing tank for delivering treated water of specified physical, chemical, and bacteriological quality. The sludge from clariflocculators will be taken to the sludge balance tank and from there it will be discharged into nearby drain.

B. Land Requirement, Ownership and Availability

6. The proposed WTP will be constructed within existing WTP premises at Pannaipatti village located approximately 60 km from the city. The total land extent of 21.5 acres was acquired by the Madurai Corporation in 1988 from private landowners and existing WTP of 118.6 MLD was commissioned in 1995. As per the land records, the land is under survey numbers 406/2B1, 407/1, 407/2A1, 408/1A, 408/1B, 409, 410/1A, 410/1B, 411/1A, 411/1B, 412/1, 412/2, 413, 415/1A2, 415/1B, and 415/2A. from 1988, the land is under possession of Madurai Corporation (Refer Encumbrance Certificate-EC) and there are no pending litigation cases for the land. Along with the EC, Madurai Corporation has also issued a certificate which indicates that the proposed land is under possession of Madurai Corporation and there are no legal issues. The existing WTP occupies around 9.50 acres which includes WTP facilities in addition to laboratory, office complex and staff quarters. An additional 5.0 acres will be required for construction of proposed WTP while balance 7.0 acres will still be available for further expansion. The required land for proposed WTP is available within the premises and is currently covered with plantations/trees like Mango which are planted by the municipal corporation itself. The site is not used as a grazing ground for household cattle or a place to collect firewood or fodder and no livelihood issues are assessed. The existing premises are well protected from all sides with permanent compound wall. The site is surrounded by agricultural lands on all sides while Periyar main irrigation canal runs along the south-east side. There are no habitations in the immediate surroundings of the WTP site.



C. Screening and Assessment of Impacts

7. Consistent with the subproject selection criteria, the proposed subproject component avoids/minimizes involuntary resettlement impacts. Proposed WTP will be accommodated within the existing WTP premises and there are no land acquisition and involuntary resettlement impacts envisaged. The land identified within the existing municipal premises is free of any encumbrances, legal cases etc. and has been in possession of Madurai Corporation from 1988. The site has proper road access and there is adequate buffer space in the surrounding area to accommodate construction related activities. No impacts are envisaged on the surrounding lands/canal due to construction and operation and maintenance activities.

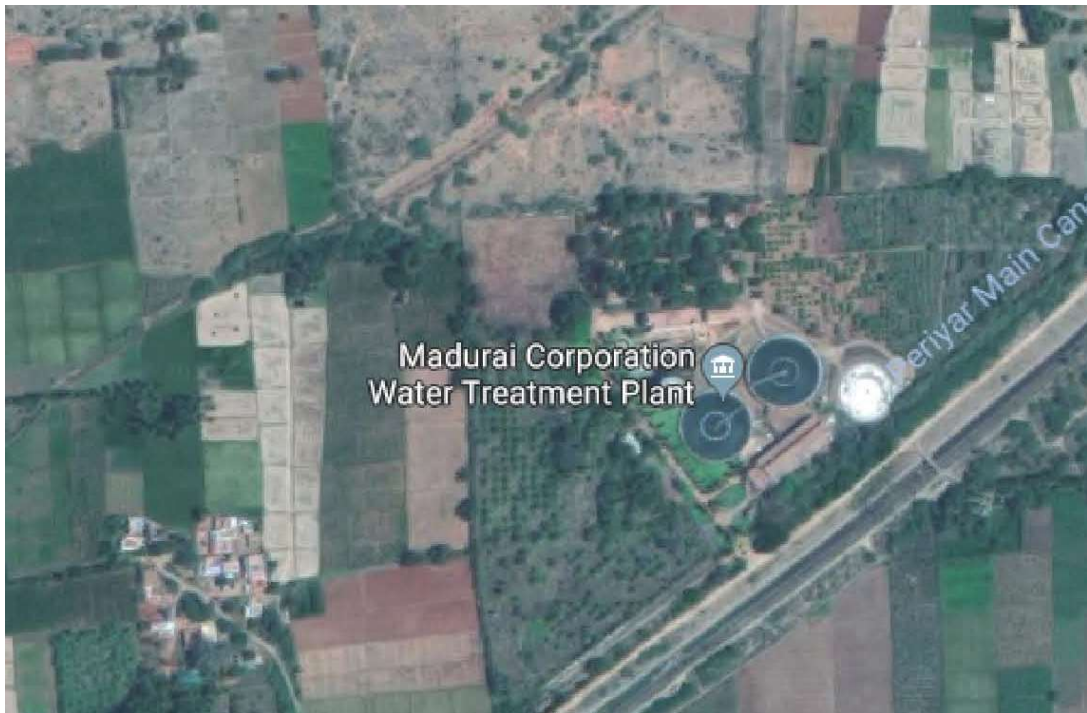
D. Consultations and Disclosure

8. The key stakeholders consulted during DDR preparation include relevant government agencies and departments and program beneficiaries. Program beneficiaries welcomed the proposed project and construction of WTP at Pannaipatti village within existing premises. This WTP DDR is not a stand-alone document and will be part of resettlement plan prepared for the overall Madurai WSS subproject. Madurai WSS resettlement plan along with this DDR will be disclosed on ADB and local government's websites and will be available in key local/ state government offices. Resettlement plan along with WTP DDR will be updated, based on the detailed design and detailed measurement survey in sections ready for implementation. This will be carried out by Construction Management and Supervision Consultant's (CMSC) Social and Resettlement Safeguard Expert (SRSE) who will work closely with PIU Assistant Safeguards Officer (ASO) and PMU SPO. A common grievance redress mechanism (GRM) will be in place to redress social, environmental or any other project related grievances, if any.

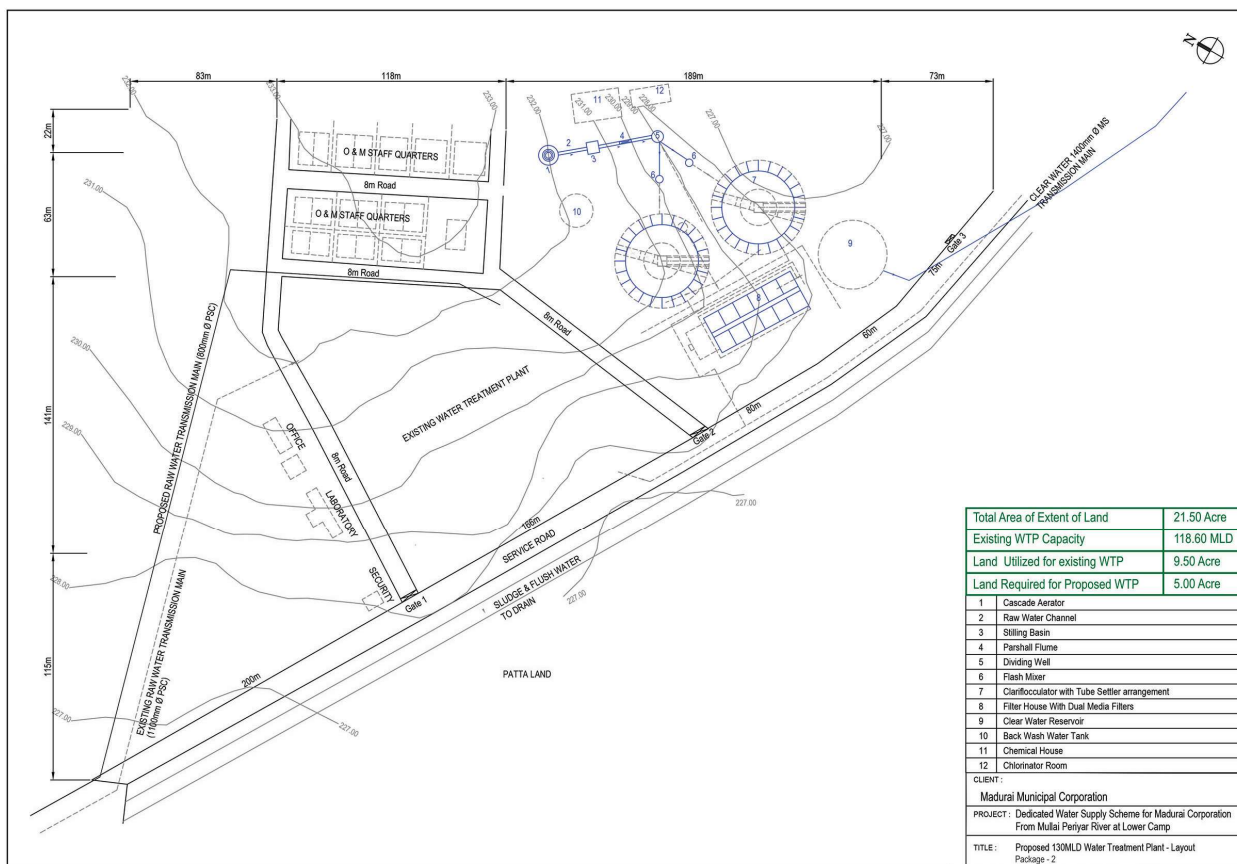
E. Summary and Conclusion

9. There are no land acquisition and involuntary resettlement impacts envisaged for the construction of proposed WTP within the existing WTP premises at Pannaipatti village. The land belongs to Madurai Corporation.

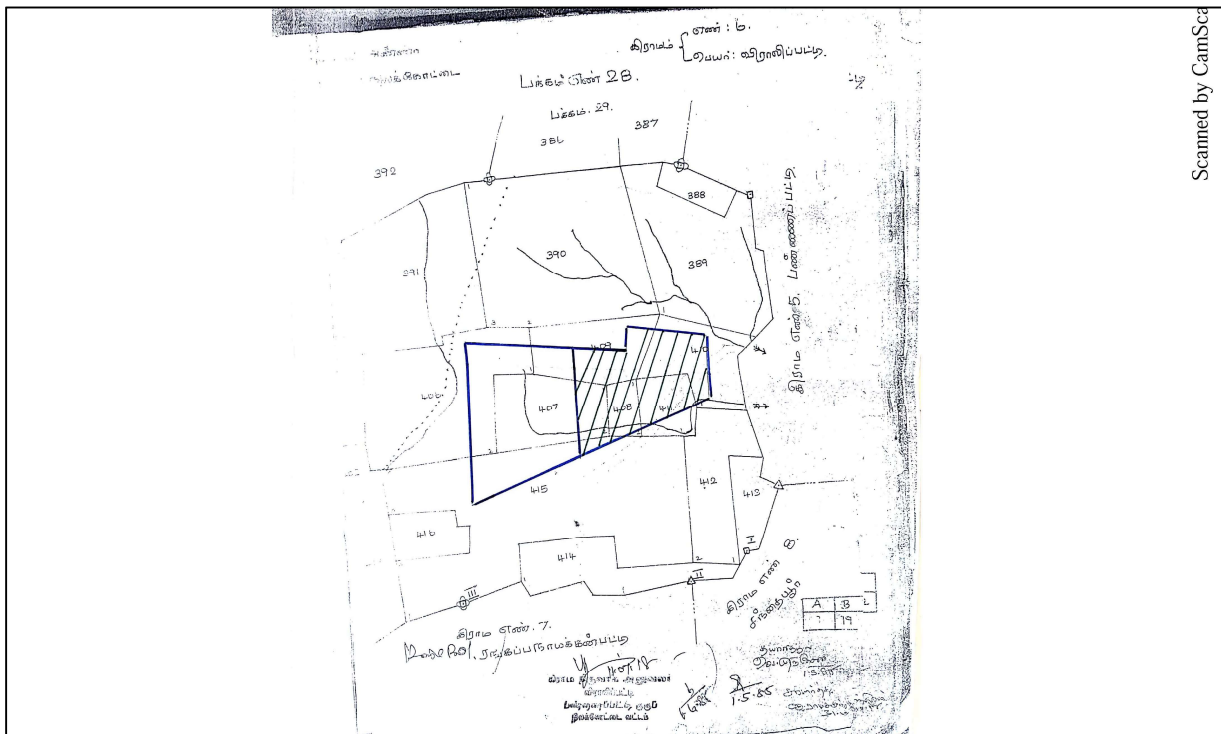
Google Map Location for Existing and Proposed WTP Facility



Layout Plan for Proposed WTP

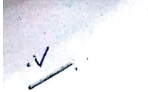


FMB Sketch for WTP site



Encumbrance Certificate

The encumbrances certificate provided here explains how the WTP land was transferred from one private party to another with added sub-divisions from 1976 to 1988 when it was eventually acquired by Madurai Corporation. From 1988 until present, the land has been under possession of Madurai Corporation.



GOVERNMENT OF TAMILNADU

REGISTRATION DEPARTMENT

தமிழ்நாடு அரசு

பதிவுத்துறை

Certificate of Encumbrance on Property
சொத்து தொடர்பான வில்லங்கச் சான்று

S.R.O /சா.ப.அ: வத்தலக்குண்டு	Date / நாள்: 12-Feb-2019
Village /கிராமம்:விராலிப்பட்டி	Survey Details /சர்வே விவரம்: 406/2B1, 407/2A1, 407/1, 408/1A, 408/1B, 409, 412/1, 412/2, 413, 415/1A2, 415/1B, 415/2A, 410/1A, 410/1B, 411/1A, 411/1B

Search Period /தேடுதல் காலம்: 01-Jan-1975 - 11-Feb-2019

Sr. No./வ.எண்	Document No.& Year/ஆவண எண் மற்றும் ஆண்டு	Date of Execution & Date of Presentation & Date of Registration/எழுதிக்கொடுத்த நாள் & தாக்கல் நாள் & பதிவு நாள்	Nature/தன்மை	Name of Executant(s)/ எழுதிக்கொடுத்தவர்(கள்)	Name of Claimant(s)/எழுதி வாங்கியவர் பெயர்(கள்)	Vol.No & Page. No/ தொகுதி எண் மற்றும் பக்க எண்
1	2293/1976	27-Nov-1976 27-Nov-1976 29-Nov-1976	விற்பனை ஆவணம் கிரைய ஆவணம்	1. சிவன் 2 2. பிச்சை நாயுடு 1	1. குருநாதா நாயுடு 1	-
Consideration Value/கைமாற்றுத் தொகை: ரூ 1,000/-			Market Value/சந்தை மதிப்பு: ரூ 1,000/-		PR Number/முந்தைய ஆவண எண்: -	
Schedule A Details: Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம் Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி, எல்லை விபரங்கள்: பஞ்சை நிலத்திற்கு மேற்கு கிழக்கு. குருநாதன் நிலத்திற்கு வடக்கு கப்ப நாயுடு நிலத்திற்கு தெற்கு.				Property Extent/சொத்தின் விஸ்தீர்ணம்: 100 cent Survey No./புல எண் : 406/2, 406/2B Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: s.no 406/2 cent50,406/2b cent50 (விஸ்தீர்ணம் : 100 சென்ட்)		
2	2033/1983	05-Jul-1983	பாகப் பிரிவினை	1. கு	1. கு	1032, 187

	07-Sep-1983 08-Sep-1983	குடும்ப உறுப்பினர்களிடையே	2. வெங்கிடசாமி நாயுடு 1 3. கு. குருசாமி நாயுடு 2	2. வெங்கிடசாமி நாயுடு 1 3. கு. குருசாமி நாயுடு 2	
Consideration Value/கைமாற்றுத் தொகை: ரூ. 42,80,625/-		Market Value/சந்தை மதிப்பு: -			PR Number/முந்தைய ஆவண எண்: -
Document Remarks/ ஆவணக் குறிப்புகள்	பிரிபட்ட பாகம் ரூ.1980 A செடியூல் ரூ.22956.25 1வது நபரும், B செடியூல் ரூ.19850 2வது நபரும் அடைவதாய்				
Schedule A Details:					
Property Type/சொத்தின் வகைப்பாடு: கட்டிடம்			Property Extent/சொத்தின் விஸ்தீர்ணம்:		
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7		
New Door No./புதிய கதவு எண்: 6.5.3					
எல்லை விபரங்கள்: B செடியூல் 2 நபர் பாகம் நத்தம் சர்வே எண்.402 குண்டாங்கால்பட்டி டோர் நிர் 6.5.3 sc நிர் 137 மனை வீடு மால்..... (வடக்கு) கி மே சந்து, (தெற்கு) நத்தம் காலியிடம், (கிழக்கு) குருவப நாயுடு நிலம், (மேற்கு) தண்ணீர் கிணர் வீதி			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: இதற்குள் கி மே அடி 35 தென்வடல் அடி 37 அளவுள்ள மண்மதில் ஒட்டு வீடு கதவு நிலை காலியிடம்.		
Schedule B Details:					
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 1 செ 56		
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7		
எல்லை விபரங்கள்: A செடியூல் 1 நபர் பாகம் 1) புஞ்சை தோட்டம் சர்வே நிர் 405/4 ஏ 3 செ 12ல் மே ப ஏ 1 செ 56 மால்..... (மேற்கு) குருநாத நாயுடு புஞ்சை, (கிழக்கு) கு.ராமசாமி நாயுடு தோட்டம், (வடக்கு) கி.அழகிருக் கவுண்டர் தோட்டம், (தெற்கு) நத்தம் பூறம்போக்கு					
Schedule C Details:					
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 34		
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7		
எல்லை விபரங்கள்: 2) புஞ்சை சர்வே நிர் 403/3 ஏ 2 செ 22, 3) புஞ்சை சர்வே நிர் 405/4 நிம்பரிலுள்ள கல்கட்டு கிணற்றில் பாதி , 4) ஹை கிணற்றில்					

அமைக்கப்பட்டிருக்கும் பழைய 5 HP பம்புசெட்டு மோட்டார் ஸ் நிர் 270, 5) புஞ்சை சர்வே நிர் 405/1 செ 88ல் கீ ப செ 34 மால்..... கோபி குருநாத நாயுடு புஞ்சைக்கும் (மேற்கு) சர்வே 392/2 நிர் ஸ்தலத்துக்கும் (தெற்கு), கு.வெங்கிடசாமி புஞ்சைக்கும் (கிழக்கு), நாகம்மாள் புஞ்சைக்கும் (வடக்கு)	
Schedule D Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 86
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,	Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7
எல்லை விபரங்கள்: 6) புஞ்சை சர்வே நிர் 392/2 செ 40, 7) புஞ்சை தோட்டம் சர்வே நிர் வண்ணாந்துரை சர்வே 415/3 ஏ 1 செ 52, சர்வே 415/2 ஏ 1 செ 56 ஆக ஏ 3 செ 08, 8) சர்வே நிர் 415/2 நிம்பரிலுள்ள கல்கட்டு கிணறு, 9) ஹை நிம்பரிலுள்ள 5 HP பம்புசெட்டு மோட்டார் ஸ் நிர் 179, 10) புஞ்சை சர்வே நிர் 424/2 ஏ 4 செ 00ல் கீ ப ஏ 1 செ 25ம், 11) சர்வே 425/7 ஏ 1 செ 72ல் கீ ப செ 88ம், ஆக ஏ 2 செ 11, 10 அயிட்ட மால்..... (மேற்கு) குருசாமி நாயுடு புஞ்சை, (கிழக்கு) வைகை ஆறு, (தெற்கு) வைகை ஆறு, (வடக்கு) தனது புஞ்சையும் மாயத்தேவர் புஞ்சையும்.	
Schedule E Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்:
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,	Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7
எல்லை விபரங்கள்: 12) சர்வே நிர் 424/2 ல் உள்ள கல்கட்டு கிணறு பாதி, 13) ஹை நிம்பரிலுள்ள பழைய 5 HP பம்புசெட்டு மோட்டாரில் கமலை வாரி நடபாதை வகையராவில் பாதி ஸ் நிர் 330 11 அயிட்ட மால்..... (கிழக்கு) மாயத்தேவர் நிலம், (மேற்கு) குருசாமி நாயுடு நிலம், (வடக்கு) பாப்பி நாயுடு நிலம், (தெற்கு) தனது புஞ்சை	
Schedule F Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 1 செ 75
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,	Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7
எல்லை விபரங்கள்: 14) புஞ்சை சர்வே நிர் 406/2 ஏ 4 செ 96ல் கீழ்ப்பரம் ஏ 1 செ 75 மால்..... (கிழக்கு) வெகுருசாமி நாயுடு புஞ்சை, (மேற்கு) குருசாமி நாயுடு புஞ்சை, (தெற்கு) அழகிரிக் கவுண்டர் புஞ்சை,	

(வடக்கு) வெகுருசாமி நாயுடு புஞ்சை	
Schedule G Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 3 செ 21
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7
எல்லை விபரங்கள்: 8 செடியூல் 2 நபர் பாகம் 1) புஞ்சை தோட்டம் சர்வே நிர் 4062 ஏ 4 செ 96ல் பக்கம் ஏ 3 செ 21 மால்.....(கிழக்கு) குவெங்கிடசாமி நாயுடு நிலம், (மேற்கு) ராமசாமி நாயுடு நிலம், (வடக்கு) சிபால் நாயுடு சு.சுப்பா நாயுடு இவர்கள் நிலம், (தெற்கு) தனது புஞ்சை	
Schedule H Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 76
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7
எல்லை விபரங்கள்: 2) ஐஷ நம்பரிலுள்ள கல்கட்டு கிணறு, 3) ஐஷ கிணற்றில் அமைக்கப்பட்டிருக்கும் பழைய 5 HP பம்புசெட்டு மோட்டார் 30 நிர் 173,4) புஞ்சை சர்வே நிர் 4063 ஏ 2 செ 05, 5) புஞ்சை சர்வே நிர் 4065 ஏ 1 செ 72ல் வ ப செ 76க்கு மால்..... (கிழக்கு) சுப்பா நாயுடு நிலம், (மேற்கு) வெ. வெங்கிடசாமி நாயுடு நிலம், (வடக்கு) தனது புஞ்சை, (தெற்கு) வெங்கிடசாமி நாயுடு நிலம்	
Schedule I Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 22
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7
எல்லை விபரங்கள்: 9) புஞ்சை சர்வே நிர் 398 ஏ 3 செ 13ல் மேல்புரம் செ 22 மால்.....(கிழக்கு) சி.சு.சுப்பா நாயுடு நிலம், (மேற்கு) வெ.வெங்கிடசாமி நாயுடு புஞ்சை, (வடக்கு) தனது புஞ்சை, (தெற்கு) வெ.வெங்கிடசாமி நாயுடு நிலம்	
Schedule J Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 22
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7
எல்லை விபரங்கள்:	

7) பஞ்சை சர்வே நிர் 398 ஏ 3 செ 13ல் மேல்புறம் செ 22 க்கு மால்..... (தெற்கு) வெகுருசாமி நாயுடு நிலம், (மேற்கு) குருவப்ப நாயுடு நிலம், (வடக்கு) குருவப்ப நாயுடு நிலம், (கிழக்கு) தனது பஞ்சை						
Schedule K Details:						
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்		Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 1 செ 55				
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,		Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7				
எல்லை விபரங்கள்:						
7) பஞ்சை சர்வே நிர் 399 ஏ 5 செ 26ல் கீழ்புறம் ஏ 1 செ 55 மால்..... (கிழக்கு) வெகுருசாமி வெராசாமி இவர்கள் நிலம், (தெற்கு) வெராசாமி நிலம், (மேற்கு) தனது பஞ்சையும் குருவப்ப நாயுடு பஞ்சையும், (வடக்கு) தேவராஜ பஞ்சை						
Schedule L Details:						
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்		Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 2 செ 11				
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,		Survey No./புல எண் : 392/2, 398, 399, 402, 403/3, 405/1, 405/4, 406/2, 406/3, 406/5, 415/2, 415/3, 420, 424/2, 425/7				
எல்லை விபரங்கள்:						
8) பஞ்சை சர்வே நிர் 420, செ 91, 9) சர்வே நிர் 399ல், ஐஷ நிம்பரிலுள்ள கல்கட்டு கிணறு கமலை வாரியில் பாதி, 10) பஞ்சை சர்வே நிர் 424/2 ஏ 4 செ 00ல் மே ப ஏ 1 செ 25ல், சர்வே 425/7 ஏ 1 செ 72ல் மே ப செ 88ல், ஆக ஏ 2 செ 11க்கு மால்..... (தெற்கு) R. 330. கப்பம்மாள் நிலம், (மேற்கு) R.கப்பம்மாள் நிலம், (வடக்கு) A. ராமசாமி நாயுடு நிலம், (கிழக்கு) வெங்கிடுசாமி நாயுடு நிலம்		Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: 11) சர்வே நிர் 424/2ல் உள்ள கல்கட்டு கிணறு பாதி, 12) ஐஷ நம்பரிலுள்ள பழைய 5 HP பம்பு செட்டு மோட்டாரில் பாதி 30 நிர்				
3	2273/1983	04-Oct-1983 04-Oct-1983 06-Oct-1983	கவாதினியில்லாத அடைமானம் - ரூ 1000 க்கு மேற்பட்டால்	1. திருமலை வெங்கிடசாமி நாயுடு (த & கள) 2. ஜெயராமன் 3. மகேஸ்வரன் (மைனர்கள்)	1. துரைச்சாமி நாயுடு	1034, 205
Consideration Value/கைமாற்றுத் தொகை: ரூ. 7,000/-			Market Value/சந்தை மதிப்பு: -	PR Number/முந்தைய ஆவண எண்: -		
Document Remarks/ ஆவணக் குறிப்புகள்		வட்டி 12% செ 3 வருடம்				
Schedule A Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 2 செ 89			
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்						
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 412/2			

எல்லை விபரங்கள்: பஞ்சை தோட்டம் 4122 ஏ 2 செ 89 லை நம்புரிவுள்ள கல்கட்டு கிணறு கமலை வாரி வாங்கால் வகையரா உள்பட.						
4	29/1989	10-Nov-1988 03-May-1989 03-May-1989	இதர / மற்றவை	1. மதுரை நில ஆர்ஜித தனித்தால்தார் ஸ்ரீ வழங்கும் திட்டம்) ராமசாமிநாயுடு	1. அரசு தமிழ்நாடு (ராமசாமிநாயுடு)	1113, 257
Consideration Value/கைமாற்றுத் தொகை: ரூ. 1,168/-			Market Value/சந்தை மதிப்பு: ரூ. 1,168/-		PR Number/முந்தைய ஆவண எண்: -	
Document Remarks/ ஆவணக் குறிப்புகள்		அவார்டு வைகைநீர் தேக்கத்திலிருந்து மதுரை நகராட்சிக				
Schedule A Details:				Property Extent/சொத்தின் விஸ்தீர்ணம்: சர். 408 /1பிநிர் 0.09.5ம்		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்						
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி.				Survey No./புல எண் : 408/1B		
எல்லை விபரங்கள்: (வ) 408 /1ஏ, (கி) 411/1பி, (தெ) 408 /2, (மே) 4-7 /2ஏ2						
5	30/1989	10-Nov-1988 03-May-1989 03-May-1989	இதர / மற்றவை	1. மதுரை நில ஆர்ஜித தனித்தால்தார் ஸ்ரீ வழங்கும் திட்டம்) பிச்சையம்மாள்-1 வெங்கடராமநாயுடு	1. அரசு தமிழ்நாடு பிச்சையம்மாள் -1 வெங்கடராமநாயுடு	1113, 257
Consideration Value/கைமாற்றுத் தொகை: ரூ. 3,013/-			Market Value/சந்தை மதிப்பு: ரூ. 6,026/-		PR Number/முந்தைய ஆவண எண்: -	
Document Remarks/ ஆவணக் குறிப்புகள்		அவார்டு வைகைநீர் தேக்கத்திலிருந்து மதுரை நகராட்சிக				
Schedule A Details:				Property Extent/சொத்தின் விஸ்தீர்ணம்: சர். 410 /1பிநிர் 0.19.0ம்		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்						
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி.				Survey No./புல எண் : 410/1B		
எல்லை விபரங்கள்: (வ) 389 /2ஏ2, (கி) 410 /2, (தெ) 411/1பி, (மே) 410 /1ஏ						
Schedule B Details:				Property Extent/சொத்தின் விஸ்தீர்ணம்: சர். 411/1பி 0.05.5ம்		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்						
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி.				Survey No./புல எண் : 410/1B		
எல்லை விபரங்கள்:						

(வ) 410/1பி, (கி) 411/2, (தெ) 411/2, (மே) 408 /1இ					
6	31/1989	10-Nov-1988 03-May-1989 03-May-1989	இதர / மற்றவை	1. மதுரை நில ஆர்ஜித தனித்தாசில்தார் ரீர் வழங்கும் திட்டம்) ராமசாமிநாயுடு	1. அரக தமிழ்நாடு ராமசாமி நாயுடு 1113, 257
Consideration Value/கைமாற்றுத் தொகை: ரூ. 368/-			Market Value/சந்தை மதிப்பு: ரூ. 368/-		PR Number/முந்தைய ஆவண எண்: -
Document Remarks/ ஆவணக் குறிப்புகள்		அவாண்டு வைகைநீர் தேக்கத்திலிருந்து மதுரை நகராட்சிக்			
Schedule A Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர். 415/1பி நிர் 0.01.5		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 415/1B		
எல்லை விபரங்கள்: (வ)415/1எ, (கி) 415/4எ, (தெ) 416/1பி, (மே) 419/1பி					
7	32/1989	10-Nov-1988 03-May-1989 03-May-1989	இதர / மற்றவை	1. மதுரை நில ஆர்ஜித தனித்தாசில்தார் ரீர் வழங்கும் திட்டம்) வெங்கிடு சாமி நாயுடு	1. அரக தமிழ்நாடு வெங்கிடு சாமிநாயுடு 1113, 257
Consideration Value/கைமாற்றுத் தொகை: ரூ. 1,721/-			Market Value/சந்தை மதிப்பு: ரூ. 3,442/-		PR Number/முந்தைய ஆவண எண்: -
Document Remarks/ ஆவணக் குறிப்புகள்		அவாண்டு வைகைநீர் தேக்கத்திலிருந்து மதுரை நகராட்சிக்			
Schedule A Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர். 415 /2ஏ நிர். 0.05.0க்கு		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 415/2A		
எல்லை விபரங்கள்: (வ) 416 /1பி, (கி) 415 /2பி, (தெ) 415 /2பி, (மே) 417 /2					
Schedule B Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர். 415 /7ஏ 0.04.0க்கு		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 415/2A		
எல்லை விபரங்கள்: (வ) 407 /2ஏ2, (கி) 415 /2ஏ, (தெ) 415/2பி, (மே) 415 /6ஏ2					
8	1607/1990	07-Sep-1990	இதர / மற்றவை	1. துரைச்சாமிநாயுடு	1. 1171, 77

	07-Sep-1990 11-Sep-1990			அழகுமலைநாயுடு	
Consideration Value/கைமாற்றுத் தொகை: ரூ. 7,000/-	Market Value/சந்தை மதிப்பு: ரூ. 7,000/-			PR Number/முந்தைய ஆவண எண்: 1034/ 1983, 1/ 1983, 205/ 1983, 2273/ 1983	
Document Remarks/ ஆவணக் குறிப்புகள்	அசல் ரூ 7000/- பட்டா எண் 1792				
Schedule A Details:		Property Extent/சொத்தின் விஸ்தீர்ணம்: சர் 412/2 ஏக்க் 2.89			
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,		Survey No./புல எண் : 412/2			
எல்லை விபரங்கள்: கண்ணைநாயுடு புஞ்சை(மே), வைகை ஆறு(வ), குருநாதன் நாயுடு புஞ்சை(க), வெங்கிட்டராமன் நாயுடு புஞ்சை(தெ)		Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: இதுவுள்ள கல்கட்டு கிணர் கமலை வாரிவாய்க்கால் லூரா சகலமும்			
9	24-Oct-1990 24-Oct-1990 24-Oct-1990	தீர்வளிப்பு	1. அரக தமிழ்நாடு 2. குருசாமிநாயுடு	1. மதுரைமாநகராட்சி - 2. குருசாமிநாயுடு	
67/1990					
Consideration Value/கைமாற்றுத் தொகை: ரூ. 23,139/-	Market Value/சந்தை மதிப்பு: ரூ. 23,139/-			PR Number/முந்தைய ஆவண எண்: -	
Schedule A Details:		Property Extent/சொத்தின் விஸ்தீர்ணம்: 406/2B1 0.72.5 406/5A 0.20.0 406/5B2 0.13.0			
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,		Survey No./புல எண் : 406/2B1, 406/5A, 406/5A2			
எல்லை விபரங்கள்: (வடக்கு) சர் 391, (கிழக்கு) 406/2B2, (தெற்கு) 406/5A & 6A, (மேற்கு) 406/2A					
Schedule B Details:		Property Extent/சொத்தின் விஸ்தீர்ணம்: 0			
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,		Survey No./புல எண் : 406/2B1, 406/5A, 406/5A2			
எல்லை விபரங்கள்: (வடக்கு) 406/2B1, (கிழக்கு) 406/5A, (தெற்கு) 406/5B1, (மேற்கு) 406/4					
Schedule C Details:		Property Extent/சொத்தின் விஸ்தீர்ணம்: 0			
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,		Survey No./புல எண் : 406/2B1, 406/5A, 406/5A2			

எல்லை விபரங்கள்: (வடக்கு) 406/6B1, (கிழக்கு) 406/6C, (தெற்கு) 406/5C, (மேற்கு) 406/4						
10	67/1990	24-Oct-1990 24-Oct-1990 24-Oct-1990	இதர / மற்றவை	1. மதுரை நில ஆர்ஜித தனி தாசில்தார் ரீர் வழங்கும் திட்டம்குப்புச்சாமிசின்ன) 2. அரக தமிழ் நாடு குருசாமி நாயுடு	1. அரக தமிழ் நாடு குப்புச்சாமிசின்ன) 2. மதுரை மா நகராட்சி	1113, 395
Consideration Value/கைமாற்றுத் தொகை: ரூ. 23,139/-			Market Value/சந்தை மதிப்பு: ரூ. 70,725/-		PR Number/முந்தைய ஆவண எண்: -	
Document Remarks/ ஆவணக் குறிப்புகள்		அவாண்டு குடிநீர் மிகுதி விரிவாக்கம் குறித்து FV 1113.395				
Schedule A Details:						
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்155/4பி2 நிர் ஹெக்0.08.0			
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 406/2B1			
			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: சர்155/4பி2 நிர் மாமூல் பாத்தியமும் சேர்ந்து			
Schedule B Details:						
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்406/2பி1 நிர் ஹெக்0.72.5			
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 406/2B1			
எல்லை விபரங்கள்: (வ) சர்391, (கி) சர்406/2பி2, (தெ) சர்406/5ஏ.6ஏ, (மே) சர்406/2ஏ			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: சர்406/2பி1 நிர் மாமூல் பாத்தியமும் சேர்ந்து			
Schedule C Details:						
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்406/5ஏ நிர் ஹெக்0.20.0			
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 406/2B1			
எல்லை விபரங்கள்: (வ) சர்406/2பி1, (கி) சர்406/6ஏ, (தெ) சர்406/5பி1, (மே) சர்406/4			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: சர்406/5ஏ நிர் மாமூல் பாத்தியமும் சேர்ந்து			
Schedule D Details:						
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்406/5பி2 நிர் ஹெக்0.13.0			
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 406/2B1			
எல்லை விபரங்கள்: (வ) சர்406/5பி1, (கி) சர்406/6சி, (தெ) சர்406/5சி, (மே) சர்406/4			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: சர்406/5பி2 நிர் மாமூல் பாத்தியமும் சேர்ந்து			
11	70/1990	24-Oct-1990 24-Oct-1990	தீர்வளிப்பு	1. குருசாமி நாயுடு 1 வெங்கிடசாமி நாயுடு 2 ராமசாமி நாயுடு 3	1. குருசாமி நாயுடு 1 வெங்கிடசாமி நாயுடு 2 ராமசாமி	

	24-Oct-1990			நாயுடு 3	
Consideration Value/கைமாற்றுத் தொகை:	Market Value/சந்தை மதிப்பு:			PR Number/முந்தைய ஆவண எண்:	
ரூ. 41,802/-					
Schedule A Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: 408/1A 0.15.0		
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை					
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 408/1A, 409/2, 409/3, 409/4		
எல்லை விபரங்கள்:					
(வடக்கு) 409, (கிழக்கு) 411, (தெற்கு) 480/1B, (மேற்கு) 407					
Schedule B Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: 409/2 0.06.0		
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை					
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 408/1A, 409/2, 409/3, 409/4		
எல்லை விபரங்கள்:					
(வடக்கு) 390, (கிழக்கு) 389, (தெற்கு) 409/1.3, (மேற்கு) 406					
Schedule C Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: 409/3 1.13.0		
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை					
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 408/1A, 409/2, 409/3, 409/4		
எல்லை விபரங்கள்:					
(வடக்கு) 409/2, (கிழக்கு) 409/1, (தெற்கு) 409/4, (மேற்கு) 406					
Schedule D Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: 409/4 0.57.5		
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை					
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 408/1A, 409/2, 409/3, 409/4		
எல்லை விபரங்கள்:					
(வடக்கு) 409/3, (கிழக்கு) 409/3, (தெற்கு) 407/308, (மேற்கு) 406					
12	24-Oct-1990		1. அரக தமிழ் நாடு நீர் வழங்கும் திட்டம் குருசாமி நாயுடு1 வெங்கிடசாமி நாயுடு 2ராமசாமி நாயுடு3	1. மதுரை மாநகராட்சி	1113, 395
70/1990	24-Oct-1990	இதர / மற்றவை	2. மதுரை நில ஆர்ஜித தனி தாலித்தார் நீர் வழங்கும் திட்டம் ராமராஜ்(ஆர்)	2. அரக தமிழ் நாடு ராமராஜ்(ஆர்)	
Consideration Value/கைமாற்றுத் தொகை:	Market Value/சந்தை மதிப்பு:			PR Number/முந்தைய ஆவண எண்:	
ரூ. 41,802/-	ரூ. 1,69,088/-				
Document Remarks/ ஆவணக் குறிப்புகள் அவாறு EV 1113 395/70					
Schedule A Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: 87/408/1ஏ நீர் வெள்க0.15.0		

Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 408/1A		
எல்லை விபரங்கள்: (வ) சர்409, (கி) சர்411, (தெ) சர்408/1A, (மே) சர்407			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: சர்408/1ஏ நிர் மாமூல் பாத்தியமும் சேர்ந்து		
Schedule B Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்409/2நிர் ஹெக்0.06.0		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 408/1A		
எல்லை விபரங்கள்: (வ) சர்390, (கி) சர்389, (தெ) சர்409/1.3, (மே) சர்406			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: சர்409/2 நிர் மாமூல் பாத்தியமும் சேர்ந்து		
Schedule C Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்406/3நிர் ஹெக்1.13.0		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 408/1A		
எல்லை விபரங்கள்: (வ) சர்409/2, (கி) சர்409/1, (தெ) சர்409/4, (மே) சர்406			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: சர்409/3 நிர் மாமூல் பாத்தியமும் சேர்ந்து		
Schedule D Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்409/4நிர் ஹெக்0.57.5		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 408/1A		
எல்லை விபரங்கள்: (வ) சர்409/3, (கி) சர்409/3, (தெ) சர்407.408, (மே) சர்406			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: சர்409/4 நிர் மாமூல் பாத்தியமும் சேர்ந்து		
Schedule E Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்180/2ஏ2 நிர் ஹெக்0.11.5		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 408/1A		
			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: சர்180/2ஏ2 நிர் மாமூல் பாத்தியமும் சேர்ந்து		
13	71/1990	24-Oct-1990 24-Oct-1990 24-Oct-1990	தீர்வளிப்பு	1. ராமசாமி 1 வெங்கிடசாமி 2	1. ராமசாமி 1 வெங்கிடசாமி 2
Consideration Value/கைமாற்றுத் தொகை: ரூ. 4,038/-			Market Value/சந்தை மதிப்பு: -		
Schedule A Details:			PR Number/முந்தைய ஆவண எண்: -		
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர் 406/6A 0.18.5		
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 406/2B1, 406/5B1, 406/6A		

எல்லை விபரங்கள்: (வடக்கு) 406281, (கிழக்கு) 407, (தெற்கு) 40668, (மேற்கு) 406581					
14	75/1990	24-Oct-1990 24-Oct-1990 24-Oct-1990	தீர்வளிப்பு	1. அழகர்சாமி	1. அழகர்சாமி
Consideration Value/கைமாற்றுத் தொகை: ரூ. 2,084/-		Market Value/சந்தை மதிப்பு: ரூ. 2,084/-			PR Number/முந்தைய ஆவண எண்: -
Schedule A Details: Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை		Property Extent/சொத்தின் விஸ்தீர்ணம்: 407/1 0.95.5			
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,		Survey No./புல எண் : 407/1			
எல்லை விபரங்கள்: (வடக்கு) 406, (கிழக்கு) 4062A1, (தெற்கு) 415, (மேற்கு) 406					
15	75/1990	24-Oct-1990 24-Oct-1990 24-Oct-1990	இதர / மற்றவை	1. அரக தமிழ் நாடு தீர் வழங்கும் திட்டம் அழகர்சாமி கவுண்டர்	1. மதுரை மாநகராட்சி 1113, 395
Consideration Value/கைமாற்றுத் தொகை: ரூ. 20,847/-		Market Value/சந்தை மதிப்பு: ரூ. 20,847/-			PR Number/முந்தைய ஆவண எண்: -
Document Remarks/ ஆவணக் குறிப்புகள்		அவாண்டு Fv 1113.395.L75			
Schedule A Details: Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்		Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்407/1நிர் ஹெக்0.95.5			
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,		Survey No./புல எண் : 407/1			
எல்லை விபரங்கள்: (வ) சர்406, (கி) சர்406281, (தி) சர்415, (மே) சர்406		Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: இதற்குள் மாமூல் பாத்தியமும் சேர்ந்து			
16	76/1990	24-Oct-1990 24-Oct-1990 24-Oct-1990	தீர்வளிப்பு	1. கப்பா நாயுடு 1 வெங்கிடசாமி 2 ராமசாமிநாயுடு 3 கப்பாநாயுடு 4 கப்பம்மாள் 5 நாகம்மாள் 6 2 பொன்னுத்தாயி (எ) லட்சுமி அம்மாள் 7 ராமசாமி 8 வெங்கிடசாமி நாயுடு 9	1. கப்பா நாயுடு 1 வெங்கிடசாமி 2 ராமசாமிநாயுடு 3 கப்பாநாயுடு 4 கப்பம்மாள் 5 நாகம்மாள் 6 2 பொன்னுத்தாயி (எ) லட்சுமி அம்மாள் 7 ராமசாமி 8

						வெங்கடசாமி நாயுடு 9			
Consideration Value/கைமாற்றுத் தொகை: ரூ. 29,032/-		Market Value/சந்தை மதிப்பு: ரூ. 29,032/-				PR Number/முந்தைய ஆவண எண்: -			
Schedule A Details:									
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை				Property Extent/சொத்தின் விஸ்தீர்ணம்: சர் 407/2A1 1.33.0					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,				Survey No./புல எண் : 407/2A1					
எல்லை விபரங்கள்: (வடக்கு) 409, (கிழக்கு) 408, 407/2A2, (தெற்கு) 415, 407/2A2, (மேற்கு) 407/1									
17	76/1990	24-Oct-1990 24-Oct-1990 24-Oct-1990	இதர / மற்றவை	1. அரசு தமிழ் நாடு நீர் வழங்கும் திட்டம் கப்பாநாயுடு 1 வெங்கடசாமி 2 ராமசாமி நாயுடு 3 கப்பா நாயுடு 4 கப்பம்மாள் 2. நாகம்மாள் பொன்னுத்தாய் (எலட்சுமியம்மாள்) ராமசாமி வெங்கடசாமி நாயுடு 9		1. மதுரை மாநகராட்சி	1113, 395		
Consideration Value/கைமாற்றுத் தொகை: ரூ. 29,032/-		Market Value/சந்தை மதிப்பு: ரூ. 29,032/-				PR Number/முந்தைய ஆவண எண்: -			
Document Remarks/ ஆவணக் குறிப்புகள்		அவார்டு FV1113.395.L76							
Schedule A Details:									
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்				Property Extent/சொத்தின் விஸ்தீர்ணம்: சர் 407/2ஏ1 நிர் ஹெக் 1.33.0					
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,				Survey No./புல எண் : 407/2A1					
எல்லை விபரங்கள்: (வ) சர் 409, (கி) சர் 408, 407/2ஏ2, (தெ) சர் 415, 407/2ஏ2, (மே) சர் 407/1				Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: இதற்குள் மாமூல் பத்தியமும் சேர்ந்து					
18	77/1990	24-Oct-1990 24-Oct-1990 24-Oct-1990	தீர்வளிப்பு	1. பிச்சையம்மாள் 1 வெங்கடசாமி 2 கன்னம்மாள் நாயுடு 3 வெங்கிடசாமி நாயுடு (சின்ன) 4		1. பிச்சையம்மாள் 1 வெங்கடசாமி 2 கன்னம்மாள் நாயுடு 3 வெங்கிடசாமி நாயுடு (சின்ன) 4			
Consideration Value/கைமாற்றுத் தொகை: ரூ. 17,900/-		Market Value/சந்தை மதிப்பு: ரூ. 17,900/-				PR Number/முந்தைய ஆவண எண்: -			
Schedule A Details:									
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை				Property Extent/சொத்தின் விஸ்தீர்ணம்: 409/1 0.37.0					

Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 409/1, 410/1A, 411/1A			
எல்லை விபரங்கள்: (வடக்கு)4092, (கிழக்கு)410, (தெற்கு)408, (மேற்கு)4093						
Schedule B Details:						
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை			Property Extent/சொத்தின் விஸ்தீர்ணம்: 410/1A 0.44.5			
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 409/1, 410/1A, 411/1A			
எல்லை விபரங்கள்: (வடக்கு) 389, (கிழக்கு) 410/1B, (தெற்கு) 411, (மேற்கு) 409						
Schedule C Details:						
Property Type/சொத்தின் வகைப்பாடு: வீட்டுமனை			Property Extent/சொத்தின் விஸ்தீர்ணம்: 411/1A 0.00.5			
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 409/1, 410/1A, 411/1A			
எல்லை விபரங்கள்: (வடக்கு) 410, (கிழக்கு) 411/1B, (தெற்கு) 411/1B, (மேற்கு) 408						
19	77/1990	24-Oct-1990 24-Oct-1990 24-Oct-1990	இதர / மற்றவை	1. அரசு தமிழ் நாடு தீர்வு வழங்கும் திட்டம் பிச்சையம்மாள் வெங்கடசாமி2கன்னம்மாள் நாயுடு3வெங்கடசாமி நாயுடு(ள்ள)	1. மதுரை மாநகராட்சி	1113, 395
Consideration Value/கைமாற்றுத் தொகை: ரூ. 17,900/-			Market Value/சந்தை மதிப்பு: ரூ. 53,700/-			PR Number/முந்தைய ஆவண எண்: -
Document Remarks/ ஆவணக் குறிப்புகள்			அவாண்டு FV1113.395.L77			
Schedule A Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்409/1நிர் ஹெக்0.37.0			
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்						
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 409/1			
எல்லை விபரங்கள்: (வ) சர்4092, (கி) சர்410, (தெ) சர்408, (மே) சர்4093			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: சர்409/1 நிர் மாமூல் பாத்தியமும் சேர்ந்து			
Schedule B Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்410/1ஏ நிர் ஹெக்0.44.5			
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்						
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 409/1			
எல்லை விபரங்கள்: (வ) சர்389, (கி) சர்410/1பி, (தெ) சர்411, (மே) சர்409			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: சர்410/1ஏ நிர் மாமூல் பாத்தியமும் சேர்ந்து			
Schedule C Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்411/1ஏ நிர் ஹெக்0.00.5			
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்						

Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 409/1		
எல்லை விபரங்கள்: (வ) சர்410, (கி) சர்411/பி, (தெ) சர்411/பி, (மே) சர்408			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: சர்411/ஏ நிர் மாமூல் பாதியமும் சேர்ந்து		
20	429/1993	15-Dec-1993 15-Mar-1993 16-Mar-1993	சுவாதீனம் இல்லாத உடன்படிக்கை	1. ராஜேந்திரன்(1) 2. அரசு தமிழ் நாடு (2)	1. ராஜேந்திரன்(1) 2. அரசு தமிழ்நாடு (2) 1222, 85
Consideration Value/கைமாற்றுத் தொகை: ரூ. 14,000/-			Market Value/சந்தை மதிப்பு: ரூ. 14,000/-		PR Number/முந்தைய ஆவண எண்: -
Document Remarks/ ஆவணக் குறிப்புகள்			உடன்படிக்கை (மண்வளபாதுகாப்பு திட்டப்பணிக்கு)		
Schedule A Details: Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர்.413/1ல் ஹெ2.20.0ல் ஹெ2.00.0ம் உள்ளதிலும்		
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 413/1		
21	1647/1994	19-Aug-1994 19-Aug-1994 22-Aug-1994	சம்மத ஆவணம்	1. வி. அழகுமலை நாயுடு	1. திருமலை வெங்கிடசாமி 2. ஜெயராமன் 1252, 23
Consideration Value/கைமாற்றுத் தொகை: ரூ. 7,000/-			Market Value/சந்தை மதிப்பு: ரூ. 7,000/-		PR Number/முந்தைய ஆவண எண்: 1171/ 1990, 1/ 1990, 1607/ 1990, 77/ 1990
Document Remarks/ ஆவணக் குறிப்புகள்			ரகது		
Schedule A Details: Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: சர். 412/2நிடர்ஏ 2.89 ல்		
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 412/2		
			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: பட்டா 1729 ல்உள்ளது இதற்குள் புகு தோட்டமும் ஹை நிர் உள்ளகல் கட்டு கிணறு கமலை வாரி வாங்க்கால் வும்		
22	2439/2006	06-Dec-2006 06-Dec-2006 06-Dec-2006	பாகப் பிரிவினை - குடும்ப உறுப்பினர்களிடையே	1. கப்புலட்சுமி -1 2. v. பாலகிருஷ்ணன் -2 3. v. திருப்பதிவாசன் -3 4. பாக்கியலெட்சுமி -4 5. சீத்தாலெட்சுமி -5 6. ஜெயலெட்சுமி -6	1. கப்புலட்சுமி -1 2. v. பாலகிருஷ்ணன் -2 3. v. திருப்பதிவாசன் -3 4. பாக்கியலெட்சுமி

				4 5. சீத்தாலெட்கமி - 5 6. ஜெயலெட்கமி - 6	
Consideration Value/கைமாற்றுத் தொகை: ரூ. 6,26,406/-		Market Value/சந்தை மதிப்பு: -		PR Number/முந்தைய ஆவண எண்: -	
Document Remarks/ ஆவணக் குறிப்புகள்	A ஷெடியூல் 1 நபர் அடையும் ரொக்கம் ரூ.10000/-, B ஷெடியூல் 2 நபர் அடையும் பாகம் மதிப்பு ரூ.305273/-, C ஷெடியூல் 3 நபர் அடையும் பாகம் மதிப்பு ரூ.281133/-, D ஷெடியூல் 4 நபர் அடையும் ரொக்கம் ரூ.10000/-, E ஷெடியூல் 5 நபர் அடையும் ரொக்கம் ரூ.10000/-, F ஷெடியூல் 5 நபர் அடையும் ரொக்கம் ரூ.10000/-, ஆக மொத்த மதிப்பு ரூ.626406/-				
Schedule A Details:					
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 1 செ 45		
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B		
எல்லை விபரங்கள்: புன்செய் சர்வே 4152 நிர் ஏ 1 செ 56ல் தெற்கு பக்கம் தற்கால மறுநில அளவுப்படி ரீ சர்வே 4152C நிர் ஹெக் 0.20.0 இதற்கு செ 49 உள்ள நிலம், புன்செய் சர்வே 4153 நிர் ஏ 1 செ 52ல் தெற்கு பக்கம் ரீ சர்வே 4153B நிர் ஹெக் 0.39.0 இதற்கு செ 96 உள்ள நிலம், ஆக ஹை இரண்டு இலக்கமும் சேர்ந்து மொத்தம் ஏ 1 செ 45 உள்ள நிலத்திற்கு மால்..... ஒடைக்கும் (கிழக்கு), வைகை ஆற்றுக்கும் (வடக்கு), விதிருப்பதிவாசன் பாக நிலத்திற்கும் (மேற்கு), பாசன வாய்க்காலுக்கும் (தெற்கு)			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: இதற்குள் கட்டுப்பட்ட நிலமும், சர்வே 4152C நிர் உள்ள கல்கட்டு கிணறு, வாரி, வாய்க்கால், பைப்பலைன், மண்மேடு வூராவில் பாதி (1/2) பாத்தியம் உள்படவும், ஹை கிணற்று மேட்டில் உள்ள மின் இணைப்பு எண். 11 நிரில் உள்ள 5 HP மின்சார பம்பு செட் வூரா டெபாசிட் தொகை ரூ.1000/- உள்பட பாதி (1/2) பாத்தியம்.		
Schedule B Details:					
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 65		
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,			Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B		
எல்லை விபரங்கள்: புன்செய் சர்வே 4156C நிர் ஹெக் 0.31.0 இதற்கு செ 77ல் கிழக்கு பக்கம் செ 65 உள்ள நிலத்திற்கு மால்..... விதிருப்பதிவாசன் பாக நிலத்திற்கும் (கிழக்கு), நரசம்மாள் நிலத்திற்கும் (வடக்கு), பாசன வாய்க்காலுக்கும் (தெற்கு), பாலவிருண்ணன் பாக நிலத்திற்கும் (மேற்கு)			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: இதற்குள் கட்டுப்பட்ட நிலமும்.		
Schedule C Details:					
			Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 2 செ 15		

Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B
எல்லை விபரங்கள்: புன்செய் சர்வே 415/7C நிர் ஹெக் 0.87.0 இதற்கு ஏ 2 செ 15 உள்ள நிலத்திற்கு மால்..... கனகராஜ், பசுபதி இவர்கள் நிலத்திற்கும் (வடக்கு), அழகர்சாமி நாபு (நிலத்திற்கும் (மேற்கு), பாசன வாய்க்காலுக்கும் (தெற்கு), பாலகிருஷ்ணன் பாக நிலத்திற்கும் (கிழக்கு)	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: இதற்குள் கட்டுப்பட்ட நிலமும்.
Schedule D Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 1 செ 62
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B
எல்லை விபரங்கள்: வண்டிப்பாறைக்கும் (வடக்கு), பாலகிருஷ்ணன் பாக நிலத்திற்கும் (கிழக்கு), குப்பம்மாள் நிலத்திற்கும் (தெற்கு), விதிருப்பதிவாசன் பாக நிலத்திற்கும் (மேற்கு)	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: (பி ஷெடியூல் 2வது நபர் பாகம்) புன்செய் சர்வே 403/3 நிர் ஹெக் 0.90.0 இதற்கு ஏ 2 செ 22ல் மேற்கு பக்கம் ஏ 1 செ 62 உள்ள நிலத்திற்கு மால்..... இதற்குள் கட்டுப்பட்ட நிலமும்.
Schedule E Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 98 1/2
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B
எல்லை விபரங்கள்: புன்செய் சர்வே 424/2 நிர் ஏ 4ல் கீழ்பக்கம் ரீ சர்வே 424/2A2 நிர் ஹெக் 0.90.00 பாதி கீழ்பக்கம் ஹெக் 0.45.0 இதற்கு ஏ 1 செ 11 உள்ள நிலமும், புன்செய் சர்வே 425 நிர் ஏ 1 செ 72ல் கீழ்பக்கம் ரீ சர்வே 425/7B நிர் ஹெக் 0.69.5ல் கீழ்பக்கம் ஹெக் 0.35.0 இதற்கு செ 86 உள்ள நிலமும், ஆக லை 7.8வது இலக்கத்திற்கு சேர்த்து ஏ 1 செ 97ல் கிழக்கு பக்கம் செ 98 1/2 உள்ள நிலத்திற்கு மால்..... சர்வேயர் பொன்ராஜ் நிலத்திற்கும் (தெற்கு), பொதிய நாபக்கர் ஸ்ரீ நபர்களுக்கும், வைகை ஆற்றுக்கும் (மேற்கு), திருப்பதிவாசன் பாக நிலத்திற்கும் (கிழக்கு), வைகை ஆற்றுக்கும் (வடக்கு)	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: இதற்குள் கட்டுப்பட்ட நிலமும். சர்வே எண் 424/2A2 நிரில் உள்ள கல்கட்டு கிணற்றில் பாதியில் பாதி பாகம் 1/4 வாரி வாய்க்கால் பைப் லைன் மண்மேடு ஸ்ரீ உள்படவும், லை கிணற்று மேட்டில் உள்ள மின் இணைப்பு எண் 30 நிரில் உள்ள 5 HP மின்சார மோட்டார் பம்பு செட் ஸ்ரீ, டெபாசிட் தொகை ரூ.1000/- உள்படவும் பாதியில் பாதி (1/4) பாதியும்.
Schedule F Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 34

Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B
எல்லை விபரங்கள்: புன்செய் சர்வே 405/1 நிர் ஹெக் 0.27.5 இதற்கு செ ஸல் மேற்கு பக்கம் செ 34 உள்ள நிலத்திற்கு மால்..... திருப்பதிவாசன் பாக நிலத்திற்கும் (மேற்கு), பாலகிருஷ்ணன் பாக நிலத்திற்கும் (தெற்கு), வெங்கிடசாமி நிலத்திற்கும் (கிழக்கு), குப்பம்மாள் நிலத்திற்கும் (வடக்கு)	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: இதற்குள் கட்டுப்பட்ட நிலமும்.
Schedule G Details: Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 20
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B
எல்லை விபரங்கள்: சர்வே 392/2 நிர் ஹெக் 0.16.0 இதற்கு செ 40ல் மேற்கு பக்கம் செ 20 உள்ள நிலத்திற்கு மால்..... பாலகிருஷ்ணன் பாக நிலத்திற்கும் (வடக்கு), திருப்பதிவாசன் பாக நிலத்திற்கும் (மேற்கு), குண்டாங்கல்லுக்கும் (கிழக்கு), குண்டாங்கல்லுக்கும் (தெற்கு)	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: இதற்குள் கட்டுப்பட்ட நிலமும்.
Schedule H Details: Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 60
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B
எல்லை விபரங்கள்: திருப்பதிவாசன் பாக நிலத்திற்கும் (மேற்கு), குப்பம்மாள் நிலத்திற்கும் (தெற்கு), விபாலகிருஷ்ணன் பாக நிலத்திற்கும் (வடக்கு), விபாலகிருஷ்ணன் பாக நிலத்திற்கும் (கிழக்கு)	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: (சி ஷெடியூல் 3வது நபர் பாகம்) புன்செய் சர்வே 403/3 நிர் ஹெக் 0.90.0 இதற்கு ஏ 2 செ 22ல் கிழக்கு பக்கம் செ 60 உள்ள நிலத்திற்கு மால்..... இதற்குள் கட்டுப்பட்ட நிலமும்.
Schedule I Details: Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 1 செ 56
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B
எல்லை விபரங்கள்: புன்செய் சர்வே 405/4 நிர் ஏ 3 செ 12ல் மேல்பக்கம் ரீ சர்வே 405/4A	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: இதற்குள் கட்டுப்பட்ட நிலமும் சர்வே 405/4B நிர் உள்ள கல்கட்டு கிணற்றில் வாரியில் பாதியில் பாதி பாகம் (14)

நிர் ஹெக் 0.630 இதற்கு ஏ 1 செ 56 உள்ள நிலத்திற்கு மால்..... அரக புறம்போக்கு நிலத்திற்கும் (வடக்கு). விதிருப்பதிவாசன் பாகம் மற்றும் குப்பம்மாள் நிலத்திற்கும் (கிழக்கு). அழகர்சாமி கவுண்டர் நிலத்திற்கும் (தெற்கு). ராமசாமி நாயுடு வூரா நிலத்திற்கும் (மேற்கு)			உள்படவும்.கை கிணற்று மேட்டில் உள்ள மின் இணைப்பு எண். 22 நிரில் உள்ள 5 HP மின்சார மோட்டார் பம்பு செட் வூரா பைப் லைன், வாய்க்கால், டெபாசிட் தொகை ரூ.1000/- உள்பட பாதி (1/2) பாத்நியம்.		
Schedule J Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: செ 70		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 392/2, 403/2, 403/3, 405/1, 405/4, 405/4A, 405/4B, 415/2, 415/2C, 415/3, 415/3B, 415/4C, 415/5C, 415/6C, 415/7C, 416/1, 416/1A, 424/2, 424/2A2, 425, 425/7B		
எல்லை விபரங்கள்: புன்செய் சர்வே 4032 நிர் ஹெக் 0.285 இதற்கு செ 70 உள்ள நிலத்திற்கு மால்..... வி.பிராமசாமி நாயுடு நிலத்திற்கும் (கிழக்கு). வண்டிப்பாதைக்கம் (வடக்கு). குப்பம்மாள் நிலத்திற்கும் (தெற்கு). பாலகிருஷ்ணன் பாக நிலத்திற்கும் (மேற்கு)			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: இதற்குள்பட்ட நிலமும், சர்வே 40548 நிர் உள்ள கல்கட்டு கிணறு, வாரி வூராவில் பாதியில் பாதி பாகம் 1/4 உள்படவும்.கை கிணற்று மேட்டில் உள்ள மின் இணைப்பு எண். 22 நிரில் உள்ள 5 HP மின்சார மோட்டார் பம்பு செட், பைப் லைன், வாய்க்கால் வூராவில் பாதி 1/2 பாத்நியம்.		
23	4241/2012	13-Jul-2012 13-Jul-2012 13-Jul-2012	பாகப் பிரிவினை - குடும்ப உறுப்பினர்களிடையே 1. ஆர். ராமசாமி நாயுடு 2. ஆர். சின்ன ராமசாமி நாயுடு 3. ஆர். நரசம்மாள் 4. ஆர். ராஜா 5. எஸ். ஜெயதிலகா என்ற ஜெயதிலகம் 6. ஆர். நளினி 7. வி. சிவமணி	1. ஆர். ராமசாமி நாயுடு 2. ஆர். சின்ன ராமசாமி நாயுடு 3. ஆர். நரசம்மாள் 4. ஆர். ராஜா 5. எஸ். ஜெயதிலகா என்ற ஜெயதிலகம் 6. ஆர். நளினி 7. வி. சிவமணி	
Consideration Value/கைமாற்றுத் தொகை: ரூ. 6,45,871/-		Market Value/சந்தை மதிப்பு: ரூ. 1,87,705/-		PR Number/முந்தைய ஆவண எண்: -	
Document Remarks/ ஆவணக் குறிப்புகள்		ஏ செடியில் அடையும் பாகமதிப்பு 187705/- பி செடியில் அடையும் மதிப்பு 204083/- சி செடியும் மொத்த மதிப்பு 50000/- டி செடியில் அடையும் பாக மதிப்பு 204083/- ஆக மொத்தம் 645871/-			
Schedule A Details:			Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏக் 2 செ 68		
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்					
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 391/1, 406/1, 415/1, 415/1A1		
எல்லை விபரங்கள்: (வடக்கு) ராஜாராம் ஆர். ராஜா இவர்கள் நிலம் மற்றும் சின்னராமசாமி நாயுடு பாக நிலம், (தெற்கு) திருப்பதிவாசன் நிலம், (கிழக்கு) குடிநீர் வடிகால் வாரிய நிலம், (மேற்கு)தென் வடல்			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: ஏ செடியில் அடையும் பாகம் கை சர்வே எண் 415/1 க்கு ஏக் 3 செ 12 ல் உள்ளநிலத்தில் வாய்க்காலுக்காக அரக எடுத்துக்கொண்ட நிலம் போக பாக்கியுள்ள நிலம் பட்டா 1837 ல் கட்டுப்பட்ட ரீ சர்வே எண் 415/1ஏ1 க்கு ஹெக் 1.085 க்கு ஏக் 2 செ 68 உள்ள நிலத்திற்கு மால்..... இதுவும் இதற்கான மாமூல் பாதை		

பாதை	பாத்தியம் உள்படவும்
Schedule B Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏக்கர் 1 செ 63 1/2
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 391/1, 406/1, 415/1, 415/1A1
எல்லை விபரங்கள்: (வடக்கு) கரடு, (தெற்கு) கிளை வாய்க்கால், (கிழக்கு) வெங்கிடுசாமி கோபால் இவர்கள் நிலம், (மேற்கு) ஆர், ராஜா பாகநிலம்	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: ஹை சர்வே எண் 391/1 க்கு ஹெக் 1.32.5 க்கு ஏக்கர் 3 செ 27 ல் கிழக்குப்பக்கம் ஹெக் 0.66.25 க்கு ஏக்கர் 1 செ 63 1/2 உள்ள நிலத்திற்கு மால்..... இதுவும் ஹை மாமூல் பாதைபாத்தியம் உள்படவும்.
Schedule C Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏக்கர் 1 செ 21
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 391/1, 406/1, 415/1, 415/1A1
எல்லை விபரங்கள்: (வடக்கு) கிளை வாய்க்கால், (தெற்கு) நம்மில் 1 வது நபரான ரா, ராமசாமி நாயுடு பாக நிலம், (கிழக்கு) ராஜாராம் நிலம், (மேற்கு) ஆர், ராஜா பாக நிலம்	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: ஹை சர்வே எண் 406/1 க்கு ஹெக் 1.00.5 க்கு ஏக்கர் 2 செ 48 ல் மையத்தில் கிணறு வாரி வாய்க்கால் செ 6க்கு ஹெக் 0.02.5 போக பாக்கியுள்ள நிலத்தில் கிழக்குப்பக்கம் ஹெக் 0.49.0 க்கு ஏக்கர் 1 செ 21ல் உள்ள நிலத்திற்கு மால்.....இதுவும் ஹை மாமூல் பாதை பாத்தியம் உள்படவும் ஹை சர்வே எண் 406/1 க்கு ஹெக் 1.00.5 க்கு ஏக்கர் 2 செ 48ல் மையத்தில் கிணறு வாரி வாய்க்காலுக்கு செ 6ல் பாதி பாகம் செ 3 கிணற்றடி நிலம் இருக்கும் கல்கட்டு கிணறு கமலை வாரி வாய்க்கால் ஓராக்களிலும், இந்த கிணற்று மேட்டில் போடப்பட்டிருக்கும் 5 HP கரண்டு மோட்டார் பம்பு செட் ரும் ஓராக்களில் சரிபாதியில் 1/2 பங்கு பாத்தியம்.
Schedule D Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏக்கர் 1 செ 63 1/2
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 391/1, 406/1, 415/1, 415/1A1
எல்லை விபரங்கள்: (வடக்கு) கரடு, (தெற்கு) கிளை வாய்க்கால், (கிழக்கு) சின்னராமசாமி நாயுடு பாக நிலம், (மேற்கு) அழகிரி கவுண்டர் நிலம்	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: ஹை சர்வே எண் 391/1 க்கு ஹெக் 1.32.5 க்கு ஏக்கர் 3 செ 27 ல் மேற்குப்பக்கம் ஹெக் 0.66.25 க்கு ஏக்கர் 1 செ 63 1/2 உள்ள நிலத்திற்கு மால்..... இதுவும் ஹை மாமூல் பாதைபாத்தியம் உள்படவும்.
Schedule E Details:	
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்	Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏக்கர் 1 செ 21
Village & Street/கிராமம் மற்றும் தெரு: விராலிப்பட்டி,	Survey No./புல எண் : 391/1, 406/1, 415/1, 415/1A1
எல்லை விபரங்கள்: (வடக்கு) கிளை வாய்க்கால், (தெற்கு) நம்மில் 1 வது நபரான ரா, ராமசாமி நாயுடு பாக நிலம், (கிழக்கு) சின்னராமசாமி நாயுடு பாக நிலம், (மேற்கு) சி, ராமசாமி வாரிக் நபர்களின் நிலம்	Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புரை: ஹை சர்வே எண் 406/1 க்கு ஹெக் 1.00.5 க்கு ஏக்கர் 2 செ 48 ல் மையத்தில் கிணறு வாரி வாய்க்கால் செ 6க்கு ஹெக் 0.02.5 போக பாக்கியுள்ள நிலத்தில் மேற்குப்பக்கம் ஹெக் 0.49.0 க்கு ஏக்கர் 1 செ 21ல் உள்ள நிலத்திற்கு மால்.....இதுவும் ஹை மாமூல் பாதை பாத்தியம் உள்படவும் ஹை சர்வே எண் 406/1 க்கு ஹெக் 1.00.5 க்கு ஏக்கர் 2 செ 48ல் மையத்தில் கிணறு வாரி வாய்க்காலுக்கு செ 6ல் பாதி பாகம் செ 3 கிணற்றடி நிலம் இருக்கும் கல்கட்டு கிணறு கமலை வாரி வாய்க்கால் ஓராக்களிலும், இந்த கிணற்று மேட்டில் போடப்பட்டிருக்கும் 5 HP கரண்டு மோட்டார் பம்பு செட் ரும் ஓராக்களில் சரிபாதியில் 1/2 பங்கு பாத்தியம்.

உரிமை மாற்றம் -

24	778/2014	04-Mar-2014 04-Mar-2014 04-Mar-2014	பெருநகர் அல்லாத	1. ஆர். ராமசாமி நாயுடு	1. ஆர். ராஜா	-
Consideration Value/கைமாற்றுத் தொகை: ரூ. 1,87,800/-		Market Value/சந்தை மதிப்பு: ரூ. 1,87,800/-		PR Number/முந்தைய ஆவண எண்: 1/ 2012, 4241/ 2012		
Schedule A Details:						
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏக்கர் 2 செ 68			
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 415/1, 415/1A1			
எல்லை விபரங்கள்: (வடக்கு) ராஜாராம் ஆர். ராஜா இவர்கள் நிலம் மற்றும் சின்னராசாமி நாயுடு பாக நிலம், (தெற்கு) திருப்பதிவாசன் நிலம், (கிழக்கு) குடிநீர் வடிகால் வாரிய நிலம், (மேற்கு)தென் வடல் பாதை			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: சர்வே எண் 415/1 க்கு ஏக்கர் 3 செ 12 ல் உள்ளதில் வாங்க்காலுக்காக அரசு எடுத்துக்கொண்ட நிலம் போக பாக்கியுள்ள நிலம் பட்டா 1837 ல் கட்டுப்பட்ட ரீ சர்வே எண் 415/1A1 க்கு ஹெக்டேர் 1.085 க்கு ஏக்கர் 2 செ 68 உள்ள நிலத்திற்கு மால்..... இதுவும் இதற்கான மாமூல் பாதை பாத்தியம் உட்படவும்			
25	727/2015	04-Mar-2015 04-Mar-2015 04-Mar-2015	ஏற்பாடு- குடும்ப உறுப்பினர்கள்	1. V. வெங்கட்ராமன்	1. V. ரமேஷ்	-
Consideration Value/கைமாற்றுத் தொகை: ரூ. 1,50,000/-		Market Value/சந்தை மதிப்பு: -		PR Number/முந்தைய ஆவண எண்: -		
Document Remarks/ ஆவணக் குறிப்புகள்		மகனுக்கு தானசெட்டில்மெண்ட்				
Schedule A Details:						
Property Type/சொத்தின் வகைப்பாடு: விவசாய நிலம்			Property Extent/சொத்தின் விஸ்தீர்ணம்: ஏ 1 செ 55			
Village & Street/கிராமம் மற்றும் தெரு: விராவிப்பட்டி,			Survey No./புல எண் : 412/1			
எல்லை விபரங்கள்: (கிழக்கு)என் வசமுள்ள பாக்கி நிலம், (மேற்கு)அஞ்சலா புன்செய் நிலம், (வடக்கு)கிமே வாய்க்கால், (தெற்கு)திருமலைவெங்கிடுசாமி புன்செய் நிலம்			Schedule Remarks/சொத்து விவரம் தொடர்பான குறிப்புகள்: சர்வே எண் 412/1 க்கு ஹெக்டேர் 1.270 க்கு ஏ 3 செ 14 ல் மே ப ஏ 1 செ 55 க்கு ஹெக்டேர் 0.6275 உள்ள நிலத்திற்கு மால்...இந்த நான்குமாலுக்குள் கட்டுப்பட்ட நிலமும், ஹை சர்வே எண் 412/1 க்கு ஏ 3 செ 14 ல் கி பக்கத்தில் தெ கடைசியில் ஹெக்டேர் 0.015 க்கு செ 4 ல் உள்ளகிணற்றுடி பொது நிலத்திலும் ஹை கிணறு வாரி வாய்க்கால் தண்ணீர் மண்மேடு வகையறாவிலும் ஹை கிணற்று மேட்டில் உள்ள 5HP மின்சார மோட்டார் பம்பு செட் பைப் லைன் மின் இணைப்பு 317 வகையறாவில் பாதி பாகம் பாத்தியம் உட்படவும் ஹை கிணற்றில் மோட்டாரில் ஏதாவது பழுது ஏற்பட்டாலோ அல்லது உன்னுடைய தண்ணீர் பாய்ச்சுவதற்கு என் நிலத்தின் வழியாக போய் வர மாமூல்பாதை பாத்தியம் மற்றும் சகல பாத்தியம் உட்படவும்			

Number of Entries/பதிவுகளின் எண்ணிக்கை: 25

Disclaimer: The details of the above property have been provided with due care and with reference to the Acts and Rules. However in case of any error or omission, the Department cannot be held responsible. The above details are of informative in nature.

குறிப்புரை: சட்டம் மற்றும் விதிகளுக்குட்பட்டு மிகுந்த கவனத்துடன் சொத்து தொடர்பான மேற்கண்ட விவரங்கள் அளிக்கப்பட்டுள்ளது எனினும் இதில் ஏதேனும் தவறுகளோ விலக்களோ இருப்பின், அதற்கு இத்துறை பொறுப்பேற்க இயலாது. மேற்கண்ட விவரங்கள் தகவலுக்காக அளிக்கப்பட்டுள்ளன


History of Land Acquisition for Water Treatment Plant, Madurai**CERTIFICATE**

This is to certify that the Land for the Water Supply Treatment Plant belongs to Madurai Corporation, enclosed copy of FMP Sketch showing the Land at Pannaipatti Water Treatment Plant. It is possessed by Madurai Corporation Since 1988, total Area of extent 21.50 Acres. Within this allotted Land for Proposed Water Supply Treatment Plant is 12.00 Acres, balance covered by existing Treatment Plant maintained by Madurai Corporation.

Enclosed copy of document of Encumbrance Certificate of land records / Tamilnadu Registration Department, there is no legal dispute issues with respect to land acquisition and no pending compensation (or) Court Cases (or) Litigation pending to the land.

Enclosed History of Land of records for the proposed Water Treatment Plant with the existing Water Treatment Plant maintained by Madurai Corporation.


Asst. Executive Engineer
Madurai Corporation


City Engineer
Madurai Corporation