







Government of Tamil Nadu
Department of Health & Family Welfare

Tamil Nadu Urban Health Care Project (ID – P251)
Supported by Japan International Co-operation Agency
(JICA)

Project Brief

Location Map



	Component 1: Upgrading tertiary hospitals
	Component 2: Strengthening referral hospitals
	Component 3: Strengthening secondary care hospitals
All 17 cities	Component 4: Strengthening hospital management
	Component 5: Strengthening primary health care in NCD

Project Profile

Name of the Project	Tamil Nadu Urban Health Care Project
Sector	Health Sector
Lending Agency	Japan International Cooperation Agency (JICA)
Loan Agreement No	ID -P251
Date of agreement	31.03.2016
Date of effectiveness	28.07.2016
Project period	01.04.2016 to 31.03.2023
Total Project Cost	JPY 30060 (INR 1633.75 crores)
Total Loan Amount	JPY 25537 (INR 1387.88 crores)
GoTN Part	JPY 4523 (INR 245.87 crores)
Share Ratio	JICA : GoTN 85 : 15
Repayment period	30 Years from March 2026
Lending Instrument	Official Development Assistance (ODA)
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Government of Tamil Nadu
Tamil Nadu Urban Health Care Project
Supported by Japan International Cooperation Agency (JICA)

Executive Summary

The Health and Family Welfare Department of the Government of Tamil Nadu is in the process of implementing a new health project named Tamil Nadu Urban Health Care Project in the health sector with the funding support from Japan International Cooperation Agency (JICA).

Goal of the Project

The goal of the project is to improve the health outcomes of the people of Tamil Nadu especially the poor and disadvantaged accessing Government medical institutions in the urban areas.

Project Objectives

The objectives of the Project are to improve the quality of health services in urban areas thereby improving the health of people in Tamil Nadu through (i) strengthening the capacity of the key hospitals with up-gradation of the facility and equipment and (ii) strengthening the capacity of human resources with the focus on Non Communicable Diseases.

Project Period

The project will be implemented from June 2016 to March 2023 for a period of 7 years.

Project Cost

The total Project cost is worked out as INR. 1634.00 crores of which 85% will be the loan to be funded by Government of Japan and the balance 15% will be shared by Government of Tamil Nadu.

Project Components

1. Upgrading Tertiary Hospitals (Facilities and Medical Equipment)
2. Strengthening Referral Hospitals (Medical Equipment)
3. Strengthening Secondary Care Hospitals (Facilities and Medical Equipment)
4. Strengthening Hospital Management
5. Strengthening Primary Health Care in Non Communicable Diseases

Activities of the project:

The project has five components with different implementation sites across the targeted 17 cities as shown in the following table:

	Project Component	Target Facilities / Areas
1	Upgrading Tertiary Hospitals (Facilities and Medical Equipment)	<u>Three Medical College Hospitals</u> <ul style="list-style-type: none"> • Government Rajaji Hospital (MMCH), Madurai. • Kilpauk Medical College Hospital (KMCH), Chennai • Coimbatore Medical College Hospital (CMCH), Coimbatore
2	Strengthening Referral Hospitals (Medical Equipment)	<u>Eight Medical College Hospitals</u> <ul style="list-style-type: none"> • Salem Medical College Hospital • Vellore Medical College Hospital • Thanjavur Medical College Hospital • Tirunelveli Medical College Hospital • Trichy Medical College Hospital • Thoothukudi Medical College Hospital • Pudukottai Medical College Hospital • Kanyakumari Medical College Hospital <u>Six District Headquarters Hospitals (DHQH)</u> <ul style="list-style-type: none"> • Erode DHQH • Tiruppur DHQH • Cuddalore DHQH • Dindigul DHQH • Krishnagiri DHQH • Periyakulam DHQH
3	Strengthening Secondary Care Hospitals (Facilities and Medical Equipment)	<u>Four Secondary Care Hospitals</u> <ul style="list-style-type: none"> • Avadi, Chennai • Maniyanoor, Salem • Velampalayam, Tiruppur • Kandiyaperi, Tirunelveli
4	Strengthening Hospital Management	21 facilities in 17 cities
5	Strengthening Primary Health Care in NCD	Two Regional Training Institutes In Chennai and Madurai

Project Management

Health and Family Welfare Department assumes the overall responsibility for the implementation of the 'Tamil Nadu Urban Health Care Project (TNUHP)'. HFWD will establish a Project Management Unit (PMU) for the Project which would be operated under society mode to be created separately for this project and to be named as 'Tamil Nadu Urban Health Care Society (TNUHCS)'. The PMU of the Project would be the implementing body fully responsible for the project implementation to ensure that all planned activities are implemented in a timely and efficient manner. PMU will be headed by the Project Director and supported by a support team consisting of Officers-in-charge for various sections including Administration, Procurement, Finance, Monitoring & Evaluation. There will be a State Empowered Committee headed by the Chief Secretary to sanction and review the progress of the schemes of the project. There will be a Project Steering Committee headed by the Health Secretary to review and monitor the progress of the activities of the project.

Project Agreement

The Project Loan Agreement (LA) between Government of Japan represented by Japan International Cooperation Agency (JICA) and Government of India was signed on 31st March 2016

Project Effectiveness

The project has become effective on 28th July 2016 and the Administrative sanction for the project was issued by the Government on 8th September 2016.

Project Cost
Overall Project Cost Estimate (in million)

Components	JICA part INR	GoTN Part INR	Total INR
Component 1-1 Upgrading Tertiary Hospitals (Facilities)	3565.217	0.00	3565.217
Component 1-2 Upgrading Tertiary Hospitals (Equipment)	4951.087	0.00	4951.087
Component 2 Strengthening Referral Hospitals	1577.717	0.00	1577.717
Component 3-1 Strengthening Secondary Hospitals (Facilities)	800.543	0.00	800.543
Component 3-2 Strengthening Secondary Hospitals (Equipment)	528.261	0.00	528.261
Component 4 Strengthening Hospital Management	200.000	0.00	200.000
Component 5 Strengthening Primary Health Care	109.239	0.00	109.239
Project Management Capacity Development	74.457	0.00	74.457
Price Escalation	776.630	0.00	776.630
Physical Contingency	629.348	0.00	629.348
Consulting Services	666.304	0.00	666.304
Existing Building Demolition & Land Preparation	0.000	202.17	202.174
Administration Cost	0.000	703.80	703.804
VAT	0.000	1100.54	1100.543
Import Tax	0.000	270.11	270.109
Interest during construction	0.000	153.80	153.804
Front End Fee	0.000	27.72	27.717
Total	13,878.80	2458.15	16336.95

Project Cost Breakdown

Upgrading Tertiary Hospitals (Buildings)

Component 1-1: Cost Estimate for Upgrading Tertiary Hospitals (Buildings)

Sub-component	Outline/Function	Total Plinth Area (m ²)	Estimated Cost
			INR
Madurai Medical College , Government Rajaji Hospital	Basement + 5 floors • Advanced OT Centre • Imaging Dept • Auditorium	18,549	1,181,979,000
Kilpauk Medical College Hospital	Basement + 6 floors • Advanced OT Centre • Imaging Dept • Inpatient Wards	22,193	1,414,182,000
Coimbatore Medical College Hospital	5 floors • Advanced OT Centre • Imaging Dept • Auditorium	15,205	968,893,000
Total		55,947	356,50,54,000

Component 1-2: Upgrading Tertiary Hospitals (Medical Equipment)

Cost Breakdown of Component 1-2 (Medical Equipment)

Sub-Component	Equipment Cost (INR)
Madurai Medical College , Government Rajaji Hospital	1,73,43,91,534
Kilpauk Medical College Hospital	1,34,17,98,942
Coimbatore Medical Collge Hospital	1,89,78,83,598
Total cost (INR)	497,40,74,074

Component 2: Strengthening Referral Hospitals (Medical Equipment)

Component 2 consists of the medical equipment for the target seven Medical College Hospitals and seven DHQs, which is planned to upgrade and enhance the functions of the said institutions. The costs are examined in the same manner described for Component 1-2.

Cost Breakdown of Component 2 (Medical Equipment)

Sub-Component	Equipment Cost (INR)
1) Vellore Medical College Hospital	14,71,39,683
2) Tirunelveli Medical College Hospital	18,24,24,339
3) Kanyakumari (Asaripallam) Medical College Hospital	8,81,53,439
4) Salem Medical College Hospital	5,80,71,958
5) Thoothukudi Medical College Hospital	14,04,87,302
6) Trichy Medical College Hospital	10,20,79,365
7) Thanjavur Medical College Hospital	3,27,54,497

8) Erode DHQH	11,28,76,720
9) Pudukottai DHQH	12,03,13,757
10) Tiruppur DHQH	11,75,98,942
11) Krishnagiri DHQH	11,68,33,333
12) Periyakulam DHQH	8,02,26,455
13) Cuddalore DHQH	12,03,13,757
14) Dindigul DHQH	11,68,28,042
Total cost (INR)	153,61,01,587

Component 3-1: Strengthening Secondary Care Hospitals (Buildings)

Cost Estimate of Component 3-1 (Buildings)

No	Sub-component	Outline/Function	Total Plinth Area (m ²)	Plinth Area Rate (Rs/m ²)	Estimated Cost
					Rs
1	Avadi Hospital, Chennai	3 floors OPD, emergency, CEmONC, OT rooms & Inpatient Wards	4,612	43,400	20,01,61,000
2	Velampalayam Hospital, Tirupur	3 floors OPD, emergency, CEmONC, OT rooms & Inpatient Wards	4,612		20,01,61,000
3	Maniyanoor Hospital, Salem (To be constructed)	3 floors OPD, emergency, CEmONC, OT rooms & Inpatient Wards	4,612		20,01,61,000
4	Kandigaiperi Hospital, Tirunelveli	3 floors OPD, emergency, CEmONC, OT rooms & Inpatient Wards	4,612		20,01,61,000
Total			18,448		80,06,44,000

Component 3-2: Strengthening Secondary Care Hospitals (Medical Equipment)

Cost Breakdown of Component 3-2(Medical Equipment)

Sub-Components	Equipment Cost (INR)
Avadi Hospital, Chennai	12,85,44,974
Maniyanoor Hospital, Salem	12,85,44,974
Velampalayam Hospital, Tirupur	12,85,44,974
Kandigaiperi Hospital, Tirunelveli	12,85,44,974
Total cost (INR)	51,41,79,894

Component 4:
Strengthening Hospital Management

The cost of strengthening hospital management is estimated by the broad budget of proposed subcomponents' activities

Cost Breakdown of Component 4

No	Sub-component	Estimated Cost
		Rs
1	Training on hospital management	3,00,00,000
2	Training on medical equipment	10,00,00,000
3	Training on NCD and trauma care management	7,00,00,000
Total		20,00,00,000

Component 5: Strengthening Primary Health Care in NCD

The cost of strengthening primary health care in NCD is estimated by the broad budget of proposed subcomponents' activities

Cost Breakdown of Component 5

No	Sub-component	Estimated Cost
		Rs
1	Establishment of model skills lab for NCD at regional training institutes in Chennai and Madurai	4,20,00,000
2	Training on NCD for primary health care personnel	6,70,00,000
Total		10,90,00,000