



ABSTRACT

Health and Family Welfare department - Tamil Nadu Urban Health Care Project supported by Japan International Co-Operation Agency(JICA) - Provision of Hi tech Medical Equipments to Eight Medical College Hospitals and Six District Head Quarters Hospitals approved by State Empowered Committee - Administrative and Financial Sanction - Orders - issued.

Health and Family Welfare (EAP II-1) Department

G.O (Ms) No. 483

Dated :22.10.2019

Vigari, Iypasi-5

Thiruvalluvar Aandu 2050

Read:

1. G.O (Ms). No. 217, Health and Family Welfare department, dated 8.9.2016
2. From the Project Director, Tamil Nadu Urban Health Care Project Ref.No 4723/TNUHP/JICA/2017, Dated: 03.07.2019.

ORDER:

In the Government Order first read above, among others, the Government accorded administrative sanction for the implementation of Tamil Nadu Urban Health Care Project components viz., Upgrading Tertiary Hospitals, Strengthening Referral and Secondary care Hospitals, Strengthening Hospital Management and Primary Health Care in Non-Communicable Diseases at a total cost of Rs. 1634,69,50,000/- with the assistance of Japan International Co-Operation Agency(JICA).

2. In the letter 2nd read above, the Project Director, Tamil Nadu Urban Health Care Project has stated that, the activity of provision of equipment to the Medical College Hospitals and District head quarters hospitals is included and approved in the **Component 2** under the heading "Strengthening of Referral Hospitals (Medical Equipment)" in the Detailed Project Report (DPR) and Minutes of Discussion (MoD).The following eight Medical College Hospitals and six District Headquarters Hospitals are identified for provision of Hi-Tech Medical equipments, since, the hospitals are located in strategic places and function as referral hospitals for the primary health centers and secondary care institutions in the Districts as well as nearby Districts:

(i) Details of the identified Medical College Hospitals:

1	Vellore Medical College Hospital, Vellore
2	Tirunelveli Medical College Hospital, Tirunelveli
3	Kanniyakumari Medical College Hospital, Asaripallam, Nagercoil
4	Salem M.K.M Medical College Hospital, Salem
5	Thoothukudi Medical College Hospital, Thoothukudi
6	Mahatma Gandhi Memorial Hospital attached to Government KAPV Medical College Hospital, Tiruchirapalli
7	Thanjavur Medical College Hospital, Thanjavur
8	Pudukottai Medical College Hospital, Pudukottai

(ii) Details of the identified District Headquarters Hospitals:

1	District Head Quarters Hospital, Erode
2	District Head Quarters Hospital, Tiruppur
3	District Head Quarters Hospital, Krishnagiri
4	District Head Quarters Hospital, Periyakulam
5	District Head Quarters Hospital, Cuddalore
6	District Head Quarters Hospital, Dindigul

3. The Project Director, Tamil Nadu Urban Health Care Project has further stated that, as per the Project agreement, the Consultant had visited the hospitals and worked out the required equipment as per the present need based on repeated consultations, survey and analysis of the requirement and the same has been vetted by the Project team. The final list of equipment as proposed now has been arrived at based on the top procedures being carried out in well performing medical college hospitals and private hospitals enrolled under Chief Minister's Comprehensive Health Insurance Scheme have been found out and equipment required for them have been provided. The departments are Cardiology, Cardio thoracic surgery, Medical and surgical gastro enterology, Neurology and Neuro surgery, Ophthalmology, ENT surgery, Urology and Nephrology, Anesthesia, Operation Theatre, CSSD, ICUs, etc. He has furnished the list of equipments to be provided to the Medical College Hospitals (Annexure A) and the District Head Quarters Hospitals (Annexure – B) and stated that, the above equipment will be procured through Tamil Nadu Medical Services Corporation Ltd. by following **Japan International Cooperation Agency Procurement Guidelines**. The Non recurring cost involved in the proposal is worked out as follows.

S.No	Item	Cost in INR
1.	Approximate cost of equipment	170,22,95,000
2.	Advertisement cost	20,00,000
3.	GST @ 18%	30,64,13,100
	Total	201,07,08,100

The excess cost could be accommodated within the Project cost. The exact cost will be known after the bids are finalized. He has also stated that, a total amount of Rs. 157,78,37,472 /- is available towards provision of Equipment to Referral Hospitals under component 2 the project cost and the excess expenditure of Rs. 12,44,57,528 /- may be accommodated under contingencies within the Japan International Co-Operation Agency part of the project cost. The cost involved in this proposal is reimbursable by Japan International Co-Operation Agency except the taxes involved, the cost involved for advertisement and for Annual Maintenance Contract (AMC). The Advertisement cost and the taxes are to be met out of Government of Tamil Nadu part of project cost. The Annual Maintenance Cost will be borne by the Government through the regular budget to the Directorate of Medical Education and Directorate of Medical and Rural Health Services respectively.

4. The Project Director has also stated that, the above proposal was approved by the State Empowered Committee and has therefore requested the Government to issue necessary orders in this regard.

5. The Government have examined the proposal of the Project Director, Tamil Nadu Urban Health Care Project in detail and accordingly, do and hereby issue the following orders:-

- i. The Project Director, Tamil Nadu Urban Healthcare Project is permitted to incur a non recurring expenditure of Rs. 201,07,08,100/- (Rupees Two hundred one crore seven lakh eight thousand and hundred only) (Cost of equipment- Rs. 170,22,95,000, Advertisement charges - 20,00,000 GST- 30,64,13,100) towards provision of hi tech Medical Equipments to Eight Medical College Hospitals at Vellore, Tirunelveli, Kanniyakumari, Salem, Thoothukudi,

- Trichy, Thanjavur, Pudukottai and Six District Head Quarters Hospitals at Erode, Tiruppur, Krishnagiri, Periyakulam, Cuddalore and Dindigul through Tamil Nadu Medical Services Corporation Limited by following Japan International Co-Operation Agency procurement guidelines as detailed in annexure I and II of this Government Order.
- ii. The Project Director, Tamil Nadu Urban Health Care Project is also permitted to transfer the above amount of Rs.201,07,08,100 to the PD account of the Managing Director, Tamil Nadu Medical Services Corporation Ltd. towards the procurement of the equipments mentioned at Annexure I to this order.
 - iii. The Project Director, Tamil Nadu Urban Healthcare Project is instructed to work out the technical specifications and the bidding documents by observing the Japan International Co-Operation Agency procurement guidelines with the assistance from the Consultant (F&E) and in consultation with Tamil Nadu Medical Services Corporation Limited and handover them to TNMSC for procurement.
 - iv. The Managing Director, Tamil Nadu Medical Services Corporation Ltd. is directed to procure the equipments by following Japan International Co-Operation Agency Procurement Guidelines and the bidding procedures and supply the equipment to the Deans and Hospital Superintendent of the Medical College Hospitals and District Head Quarters Hospitals concerned as the case may be as mentioned in paragraph 5(i) above and to settle the account with the Project Director, Tamil Nadu Urban Healthcare Project on completion of the activity.
 - v. The Project Director, Tamil Nadu Urban Healthcare Project is permitted to increase or decrease the number of equipment, but not exceeding the total amount sanctioned and to revise the technical specifications with the concurrence of Japan International Co-Operation Agency, the addition of any new Equipment shall be approved by the Project Steering Committee.
 - vi. The Project Director is instructed to ensure the Technical Specifications of equipment will be vetted and confirmed by Tamil Nadu Medical Services Corporation Ltd.,
 - vii. The Project Director, Tamil Nadu Urban Health Care Project is directed to include the cost worked out in the proposal in BE 2020-21.
 - viii. The Consultant (F&E) is permitted to workout the Technical specifications of the equipment and to assist Tamil Nadu Medical Services Corporation Limited in the preparation of the bidding documents, supervise the installation of the equipment in the hospitals and to provide a report to the Project Director on the working of the equipment installed.
 - ix. The Director of Medical Education and Director of Medical and Rural Health Services is directed to get the Annual Maintenance Contract details of the equipment from Tamil Nadu Medical Services Corporation Limited and include the cost of Annual Maintenance Contract in their budget for the succeeding 7 years after the installation of the equipment.

6. The expenditure sanctioned in para 5 above shall be debited to the following head of account

"2210 Medical and Public Health – 01 – Urban Health Services – Allopathy – 110 – Hospitals and Dispensaries – Externally Aided Projects – PC Tamil Nadu Urban Healthcare Project – 319 Machinery Equipment - 01 Purchase".
(DP CODE 2210 01 110 PC 31901)

7. This order issues with the concurrence of the Finance Department vide its U.O.No.51949/Health-II/2019, dated.22.10.2019.

(BY ORDER OF THE GOVERNOR)

**BEELA RAJESH
SECRETARY TO GOVERNMENT**

To
The Project Director, Tamil Nadu Urban Health Care Project, Chennai - 6
The Managing Director, Tamil Nadu Medical Services Corporation Ltd., Chennai – 8

The Director of Medical Education, Chennai-10, (The Dean, Concern Medical College Hospitals)
The Director of Medical and Rural Health Services, Chennai – 6,
(The Joint Director of Health Services, Concern Districts)
The Accountant General, Chennai -18.
The Pay and Accounts Officer, Chennai-35
The Pay and Accounts Officer, Madura
Copy to:
The Finance (Health-I) Department, Chennai-9.
The Health and Family Welfare (DC) Department, Chennai-9.
Stock File / Spare Copy.

//Forwarded by Order//

L. V. V. S. S.
22/10/19
SECTION OFFICER
22/10/19

ANNEXURE I

(G.O(Ms)No.483, Health and Family Welfare (EAP II-1) department, dated 22.10.2019)

(a) Strengthening Referral Hospitals (Medical Equipments) – 8 Medical College Hospitals

S. No	DEPARTMENT	NAME OF THE EQUIPMENT	QTY	Approximate d Unit Cost	Total Cost
1	Anaesthesia	Anaesthesia Work Station with Monitor	18	2,500,000	45,000,000
2	Anaesthesia	Hemodynamic Monitor	6	1,500,000	9,000,000
3	Anaesthesia	Brain function Monitor (Depth, AGM and Regional Oximeter)	16	1,500,000	24,000,000
4	Anaesthesia	Multiparamonitor with IBP	4	200,000	800,000
5	Anaesthesia	Multiparamonitor with ETCO2	18	300,000	5,400,000
6	Anaesthesia	Neuro Muscular Monitor	8	500,000	4,000,000
7	Anaesthesia	Patient Controlled Analgesia Pump (PCA Pump)	15	50,000	750,000
8	Anaesthesia	Ventilator	13	1,500,000	19,500,000
9	Anaesthesia	Video Laryngoscope System	9	300,000	2,700,000
10	Anaesthesia	Defibrillator	11	600,000	6,600,000
11	Anaesthesia	Fiberoptic Bronchoscope (Adult)	7	500,000	3,500,000
12	Anaesthesia	Fiberoptic Bronchoscope (Paediatric)	8	500,000	4,000,000
13	Anaesthesia, Radiology	Ultra sonogram Colour doppler with 3 probes	12	1,200,000	14,400,000
14	Cardiology	Low Temperature formaldehyde Sterilizer	7	4,000,000	28,000,000
15	Cardiology	24 hour Holter monitoring machine	2	300,000	600,000
16	Cardiology	Echocardiogram with 3D TEE probe	7	6,000,000	42,000,000
17	Cardiology	Electrophysiology and Ablation system	3	6,500,000	19,500,000
18	Cardiology	Extra Corporeal Membrane Oxigenation (ECMO) Machine	3	4,000,000	12,000,000
19	Cardiology	Intra Aortic balloon counterpulsation machine	5	3,000,000	15,000,000
20	Cardiology	Intra Vascular Ultrasound	3	6,000,000	18,000,000
21	Cardiology	Optical coherence tomography (OCT) with FFR	5	12,000,000	60,000,000

22	Cardiology	Rotablator	5	6,000,000	30,000,000
33	ENT	FESS Complete Set	11	8,500,000	93,500,000
39	ENT	Operating Microscope - High end	7	4,500,000	31,500,000
37	ENT	Facial Nerve Monitor	6	1,200,000	7,200,000
23	ENT	Micro laryngeal surgery set including suspension laryngoscope, Camera and instrument set	7	1,000,000	7,000,000
34	ENT	High speed micro drill	8	1,000,000	8,000,000
38	ENT	Operating Microscope - Basic	7	1,000,000	7,000,000
29	ENT	Bronchoscope flexible (Adult & Paediatric)	3	800,000	2,400,000
36	ENT	Nasal Endoscopy unit	5	800,000	4,000,000
32	ENT	Coablation surgery unit	7	700,000	4,900,000
25	ENT	Brain stem evoked response audiometry (BERA)	5	600,000	3,000,000
30	ENT	Rigid Bronchoscope (Adult & Paediatric)	3	350,000	1,050,000
27	ENT	Oto Acoustic Emission Machine (OAE)	5	300,000	1,500,000
31	ENT	Stroboscopy	2	300,000	600,000
26	ENT	Impedence Audiometer	7	250,000	1,750,000
35	ENT	Micro ear surgery instrument set	12	200,000	2,400,000
28	ENT	Pure tone and speech audiometer	5	150,000	750,000
24	ENT	Oesophagoscope (Adult & Paediatric) with instrument	4	100,000	400,000
40	MGE	Esophageal Manometry	7	2,000,000	14,000,000
41	MGE	High definition Linear Endoscope Ultrasound	5	7,000,000	35,000,000
42	MGE	Ultraslim Video Gastroscope	6	1,200,000	7,200,000
43	MGE, SGE	Upper GI Video Endoscope entire set	13	1,500,000	19,500,000
44	MGE, SGE	Video Colonoscope entire set	12	1,500,000	18,000,000
45	MGE, SGE	Video Duodenoscope with ERCP accessories entire set	10	2,000,000	20,000,000

46	MGE, SGE	Endoscopic washer disinfector	13	200,000	2,600,000
47	MGE, SGE	Endoscopic table	20	50,000	1,000,000
48	Nephrology	Crash cart complete set	8	500,000	4,000,000
49	Nephrology	CRRT Complete set (inclusive of bed, RO, consumables 30 kits)	16	3,000,000	48,000,000
50	Ophthalmology	Optical Biometer	1	1,950,000	1,950,000
51	Ophthalmology	Phaco Machine	8	1,650,000	13,200,000
52	Ophthalmology	Slit Lamp with Applanation Tonometer with video	4	1,350,000	5,400,000
53	Ophthalmology	Spectralis OCT/Retina/ Glaucoma / Cornea	3	6,000,000	18,000,000
54	Ophthalmology	Specular Microscope (in vivo)	2	2,000,000	4,000,000
55	Ophthalmology	Surgical Operating Microscope	8	1,350,000	10,800,000
56	Ophthalmology	Surgical Operating Microscope with Resight	3	14,000,000	42,000,000
57	Ophthalmology	Auto Refractometer	8	350,000	2,800,000
58	Ophthalmology	Fundus Fluorescein Angiography (FFA) Machine	5	2,100,000	10,500,000
59	Ophthalmology	Field Analyser	2	3,200,000	6,400,000
60	Ophthalmology	Pascal pattern laser	4	5,200,000	20,800,000
61	Ophthalmology	Posterior Vitrectomy Machine	3	4,500,000	13,500,000
62	Ophthalmology	Stimulator Retina Module	1	23,000,000	23,000,000
63	Ophthalmology	Video Indirect ophthalmoscope	8	550,000	4,400,000
64	Ortho	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	11	2,000,000	22,000,000
65	Ortho	Operation Theatre LED Light	12	1,500,000	18,000,000
66	Ortho	Arthroscope Enitre system	8	4,500,000	36,000,000
67	Ortho	Vascular Doppler	8	40,000	320,000
68	Ortho	Power drill system with oscillating saw and flexible reamer (Complete set)	11	1,000,000	11,000,000

69	Ortho	Digital Pneumatic Tourniquet (Adult & Paediatric)	10	100,000	1,000,000
70	Ortho	Laminar air flow	7	2,000,000	14,000,000
71	Ortho	Large Fragment Set	13	20,000	260,000
72	Ortho	POP Cutting Instruments	12	15,000	180,000
73	Ortho	POP Cutting Machine	13	25,000	325,000
74	Ortho	DHS Set	1	50,000	50,000
75	Ortho	PFN Set	6	20,000	120,000
76	Ortho	Small Fragment Set	12	20,000	240,000
77	Ortho	Spinal Instrument Set	10	100,000	1,000,000
78	Ortho	Electro Surgical Unit with under water cutting facility	9	500,000	4,500,000
79	ORTHO, MGE, UROLOGY	C-ARM Machine	18	4,000,000	72,000,000
80	Radiology	Computed Radiography machine (CR)	5	800,000	4,000,000
81	Radiology	Digital Mammography System	3	25,000,000	75,000,000
82	Radiology	Digital Radiography with Fluroscopy	8	10,000,000	80,000,000
83	Radiology	Digital X ray Machine	4	7,500,000	30,000,000
84	Radiology	Mobile X -ray (100 mA)	9	200,000	1,800,000
85	Radiology	Portable Ultrasound Machine	6	200,000	1,200,000
86	Radiology	Ultrasound Machine	5	300,000	1,500,000
87	SGE	Operation Theatre Table (with General Surgery attachment)	7	1,500,000	10,500,000
88	SGE	Video Bronchoscope (Flexible)	2	500,000	1,000,000
89	SGE	Electrosurgical unit with vessel fusion and argon plasma coagulator	3	2,000,000	6,000,000
90	SGE	Cavitron Ultrasonic Surgical Aspirator (CUSA)	5	4,500,000	22,500,000
91	SGE	Surgical diathermy with Vessel sealing	6	500,000	3,000,000
92	SGE, UROLOGY	Harmonic Scalpel with Generator	8	2,500,000	20,000,000

93	SGE, UROLOGY	Laparoscope (High Definition)	8	4,500,000	36,000,000
94	Urology	Holmium Laser	8	3,000,000	24,000,000
95	Urology	ESWL (Extracorporeal shock wave lithotripsy)	4	12,500,000	50,000,000
96	Urology	Flexible Ureteroscope	8	1,200,000	9,600,000
97	Urology	PCNL Scope	5	200,000	1,000,000
98	Urology	Pneumatic Lithoclast	8	500,000	4,000,000
99	Urology	Renal Vascular Instrument set	6	500,000	3,000,000
100	Urology	Resectoscope	8	200,000	1,600,000
101	Urology	Semi rigid Ureteroscope	7	500,000	3,500,000
102	Urology	Urodynamic Measurement Unit	3	500,000	1,500,000
103	Urology	Biplanar Renal and Prostatic Biopsy Ultrasound with Guide	1	2,500,000	2,500,000
		TOTAL	757		1,461,945,000

(b) Strengthening Referral Hospitals (Medical Equipments) – 6 District Headquarters Hospitals

S. NO	DEPARTMENT	NAME OF THE EQUIPMENT	QTY	Approximated Unit Cost	Total Cost
1	Anaesthesia	Operation theatre table (with C-Arm Compatible)	3	1,500,000	4,500,000
2	Anaesthesia	Anaesthesia Work Station	20	1,000,000	20,000,000
3	Anaesthesia	Colour doppler with 3 probes	6	1,200,000	7,200,000
4	Anaesthesia	Fiberoptic Bronchoscope (Adult)	6	500,000	3,000,000
5	Anaesthesia	Video Laryngoscope System	12	300,000	3,600,000
6	Anaesthesia Ortho	Operation Theatre LED Light	6	1,500,000	9,000,000
7	Anaesthesia, Cardiology	Pulse Oximeter	34	100,000	3,400,000
8	Cardiology	Defibrillator	4	600,000	2,400,000
9	Cardiology	ECG Machine	4	50,000	200,000
10	Cardiology	Treadmill exercise testing machine	4	500,000	2,000,000
11	Cardiology	ECHO machine	4	2,500,000	10,000,000

12	Cardiology	Infusion pump	8	50,000	400,000
13	Cardiology	Syringe Pump	8	40,000	320,000
14	Cardiology	Multipara monitor	4	100,000	400,000
15	ENT	Bronchoscope flexible (Adult & Paediatric) with instrument	3	500,000	1,500,000
16	ENT	Nasopharyngoscope	1	250,000	250,000
17	ENT	Oesophagoscope (Adult & Paediatric) with instrument	2	100,000	200,000
18	ENT	Rigid Bronchoscope (Adult & Paediatric) with instrument	2	350,000	700,000
19	ENT	Adeno Tonsillectomy surgery set	4	50,000	200,000
20	ENT	Micro ear surgery instrument set	4	100,000	400,000
21	ENT	Brain stem evoked response audiometry (BERA)	5	600,000	3,000,000
22	ENT	Impedance Audiometer	2	250,000	500,000
23	ENT	Oto Acoustic Emission Machine (OAE)	3	300,000	900,000
24	ENT	Pure tone and speech audiometer	2	150,000	300,000
25	ENT	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	5	700,000	3,500,000
26	ENT	FESS high end HD camera	4	3,000,000	12,000,000
27	ENT	FESS / Nasal surgery instrument set	4	200,000	800,000
28	ENT	Nasal Endoscopy unit	5	500,000	2,500,000
29	ENT	Coablation surgery unit	5	700,000	3,500,000
30	ENT	High speed micro drill	4	200,000	800,000
31	ENT	Microdebrider	5	800,000	4,000,000
32	ENT	Operating Microscope - Basic	5	1,000,000	5,000,000
33	ENT	Operating Microscope - High end	5	4,500,000	22,500,000
34	Ophthal	Auto Refractometer	6	350,000	2,100,000

35	Ophthal	Phaco Machine	6	1,650,000	9,900,000
36	Ophthal	Spectralis OCT/Retina/ Glacuoma / Cornea	1	6,000,000	6,000,000
37	Ophthal	Surgical Operating Microscope	6	1,350,000	8,100,000
38	Ophthal	Video Indirect ophthalmoscope	6	550,000	3,300,000
39	Ortho	Operation Theatre Fracture Table (with Ortho attachment, C- Arm Compatible)	6	2,000,000	12,000,000
40	Ortho	Arthroscope Enitre system	6	4,500,000	27,000,000
41	Ortho	Vascular Doppler	6	40,000	240,000
42	Ortho	Power drill system with oscillating saw and flexible reamer (Complete set)	6	1,000,000	6,000,000
43	Ortho	C-ARM Machine	1	4,000,000	4,000,000
44	Ortho	Laminar air flow	5	2,000,000	10,000,000
45	Ortho	Digital Pneumatic Tourniquet (Adult & Paediatric)	5	100,000	500,000
46	Ortho	Large Fragment Set	7	20,000	140,000
47	Ortho	Small Fragment Set	7	20,000	140,000
48	Ortho	PFN Set	5	20,000	100,000
49	Ortho	POP Cutting Instruments	6	15,000	90,000
50	Ortho	POP Cutting Machine	6	25,000	150,000
51	Urology	Holmium Laser	4	3,000,000	12,000,000
52	Urology	Electro Surgical Unit with under water cutting facility	4	200,000	800,000
53	Urology	Flexible Ureteroscope	4	1,200,000	4,800,000
54	Urology	Resectoscope	4	500,000	2,000,000
55	Urology	Semi rigid Ureteroscope	4	500,000	2,000,000
		TOTAL	304		240,350,000

Total Non Recurring Cost

The Non recurring cost involved in the proposal is worked out as follows

S.No	Item	Cost in INR
1.	Approximate cost of equipment	170,22,95,000
2.	Advertisement cost	20,00,000
3.	GST @ 18%	30,64,13,100
	Total	201,07,08,100

The excess cost could be accommodated within the Project cost.

BEELA RAJESH
SECRETARY TO GOVERNMENT

//True Copy//

L. Unisa
22/10/19
SECTION OFFICER
GM
22/10/19

**Components 2.1 : Strengthening Referral Hospitals (Medical Equipments) -
Medical College Hospital**

S.No.	Medical College Hospital	Sanctioned value as per DPR List	Total value as per the Revised List	Surplus / Deficit
1	Vellore	14,71,39,683.00	20,00,90,000.00	-5,29,50,317.00
2	Salem	5,80,71,958.00	21,97,90,000.00	-16,17,18,042.00
3	Thoothukudi	14,04,87,302.00	12,63,10,000.00	1,41,77,302.00
4	Thanjavur	3,27,54,497.00	27,01,25,000.00	-23,73,70,503.00
5	Kanyakumari	8,81,53,439.00	14,34,30,000.00	-5,52,76,561.00
6	Tirunelveli	18,24,24,339.00	18,95,20,000.00	-70,95,661.00
7	Trichy	10,20,79,365.00	22,54,90,000.00	-12,34,10,635.00
8	Pudukottai	12,03,13,757.00	8,71,90,000.00	3,31,23,757.00
	TOTAL	87,14,24,340.00	1,46,19,45,000.00	-59,05,20,660.00

**Components 2.2 : Strengthening Referral Hospitals (Medical Equipments) -
District Head Quarters Hospital**

S.No.	DISTRICT HEAD QUARTERS HOSPITAL	Sanctioned value as per DPR List	Total value as per the Revised List	Surplus / Deficit
1	KRISHNAGIRI	11,68,33,333.00	4,09,10,000.00	7,59,23,333.00
2	ERODE	11,28,76,720.00	4,84,20,000.00	6,44,56,720.00
3	PERIYAKULAM	8,02,26,455.00	2,09,40,000.00	5,92,86,455.00
4	CUDDALORE	12,03,13,757.00	4,72,70,000.00	7,30,43,757.00
5	DINDIGUL	11,68,28,042.00	4,27,70,000.00	7,40,58,042.00
6	TIRUPPUR	11,75,98,942.00	4,00,40,000.00	7,75,58,942.00
	TOTAL	66,46,77,249.00	24,03,50,000.00	42,43,27,249.00

ABSTRACT

Total Value of Medical College Hospital as per DPR	87,14,24,340.00
Total Value of District Head quarters as per DPR	66,46,77,249.00
Total Value as per DPR (Component 2.1., 2.2)	1,53,61,01,589.00
Total Value as per Revised List	1,70,22,95,000.00
Surplus / Deficit in MCH	-59,05,20,660.00
Surplus / Deficit in DHQH	42,43,27,249.00
Overall Savings / Short fall	-16,61,93,411.00



Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.1 : Strengthening Referral Hospitals (Medical Equipment)
Medical College Hospitals**

**KANYAKUMARI Medical College Hospital
ANAESTHESIA DEPARTMENT**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station with Monitor	2	25,00,000.00	50,00,000.00
2	Defibrillator	1	6,00,000.00	6,00,000.00
3	Hemodynamic Monitor	1	15,00,000.00	15,00,000.00
4	Fiberoptic Bronchoscope Adult	1	5,00,000.00	5,00,000.00
5	Fiberoptic Bronchoscope Paediatric	1	5,00,000.00	5,00,000.00
6	Brain function Monitor (Depth, AGM and Regional Oximeter)	2	15,00,000.00	30,00,000.00
7	Neuro Muscular Monitor	1	5,00,000.00	5,00,000.00
8	Patient Controlled Analgesia Pump	2	50,000.00	1,00,000.00
9	Ventilators (High End)	2	15,00,000.00	30,00,000.00
10	Video Laryngoscope System	1	3,00,000.00	3,00,000.00
	TOTAL	14		1,50,00,000.00

KANYAKUMARI Medical College Hospital
CARDIOLOGY DEPARTMENT

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Echocardiogram with 3D TEE probe	1	60,00,000.00	60,00,000.00
2	24 hour Holter monitoring machine	1	3,00,000.00	3,00,000.00
3	Intra Aortic balloon counterpulsation machine	1	30,00,000.00	30,00,000.00
4	Low Temperature formaldehyde Sterilizer	1	40,00,000.00	40,00,000.00
	TOTAL	4		1,33,00,000.00

KANYAKUMARI Medical College Hospital
ENT DEPARTMENT

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS Complete set with Microdebrider	1	85,00,000.00	85,00,000.00
2	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
3	High speed micro drill	1	10,00,000.00	10,00,000.00
4	Micro laryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	10,00,000.00	10,00,000.00
5	Coablation surgery unit	1	7,00,000.00	7,00,000.00
6	Micro ear surgery instrument set	1	2,00,000.00	2,00,000.00
7	Impedence Audiometer	1	2,50,000.00	2,50,000.00
8	Nasal Endoscopy complete set	1	8,00,000.00	8,00,000.00
9	Rigid Bronchoscope (Adult & Paediatric) with instrument	1	3,50,000.00	3,50,000.00
10	Oesophagoscope (Adult & Paediatric) with instrument	1	1,00,000.00	1,00,000.00
11	Facial Nerve Monitor	1	12,00,000.00	12,00,000.00
	TOTAL	11		1,86,00,000.00

KANYAKUMARI Medical College Hospital
MGE DEPARTMENT

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Video Duodenoscope with ERCP accessories entire set	1	20,00,000.00	20,00,000.00
2	Video Colonoscope entire set	1	15,00,000.00	15,00,000.00
3	Upper GI Video Endoscope entire set	1	15,00,000.00	15,00,000.00
4	Ultraslim Video Gastroscope	1	12,00,000.00	12,00,000.00
5	Endoscopic washer disinfector	1	2,00,000.00	2,00,000.00
6	Endoscopic table	2	50,000.00	1,00,000.00
7	Esophageal manometry	1	20,00,000.00	20,00,000.00
8	C-ARM Machine	1	40,00,000.00	40,00,000.00
	TOTAL	9		1,25,00,000.00

KANYAKUMARI Medical College Hospital
NEPHROLOGY DEPARTMENT

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	CRRT Complete set (inclusive of bed, RO, consumables 30 kits)	2	30,00,000.00	60,00,000.00
2	Crash cart complete set	1	5,00,000.00	5,00,000.00
	TOTAL	3		65,00,000.00

KANYAKUMARI Medical College Hospital
ORTHO DEPARTMENT

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre,system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	1	20,00,000.00	20,00,000.00
3	C-ARM Machine	1	40,00,000.00	40,00,000.00
4	Operation Theatre LED Light	2	15,00,000.00	30,00,000.00
5	Laminar air flow	2	20,00,000.00	40,00,000.00
6	Power drill system with oscillating saw and flexible reamer (Complete set)	2	10,00,000.00	20,00,000.00
7	Digital Pneumatic Tourniquet (Adult & paediatric)	2	1,00,000.00	2,00,000.00
8	Electro Surgical Unit with under water cutting facility	1	5,00,000.00	5,00,000.00
9	POP Cutting Machine	3	25,000.00	75,000.00
10	POP Cutting Instruments	3	15,000.00	45,000.00
11	Large Fragment Set	3	20,000.00	60,000.00
12	PFN Set	2	20,000.00	40,000.00
13	Small Fragment Set	3	20,000.00	60,000.00
14	Spinal Instrument Set	1	1,00,000.00	1,00,000.00
	TOTAL	27		2,05,80,000.00

KANYAKUMARI Medical College Hospital
OPHTHAL DEPARTMENT

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
2	Phaco Machine	1	16,50,000.00	16,50,000.00
3	Auto Refractometer	1	3,50,000.00	3,50,000.00
4	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	4		39,00,000.00

KANYAKUMARI Medical College Hospital
SGE DEPARTMENT

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Operation Theatre Table (with General Surgery attachment)	1	15,00,000.00	15,00,000.00
2	Cavitron Ultrasonic Surgical Aspirator (CUSA)	1	45,00,000.00	45,00,000.00
3	Endoscopic washer disinfector	1	2,00,000.00	2,00,000.00
4	Endoscopic table	1	50,000.00	50,000.00
5	Harmonic Scalpel with Generator	1	25,00,000.00	25,00,000.00
6	Laparoscope (High Definition)	1	45,00,000.00	45,00,000.00
7	Surgical diathermy with Vessel sealing	1	5,00,000.00	5,00,000.00
8	Upper GI Video Endoscope	1	15,00,000.00	15,00,000.00
9	Video Colonoscope	1	15,00,000.00	15,00,000.00
	TOTAL	9		1,67,50,000.00

KANYAKUMARI Medical College Hospital
RADIOLOGY DEPARTMENT

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Computed Radiography machine (CR)	1	8,00,000.00	8,00,000.00
2	Digital Radiography with Fluroscopy	1	1,00,00,000.00	1,00,00,000.00
3	Ultrasound Machine	1	3,00,000.00	3,00,000.00
4	Ultra sonogram - Colour Doppler	2	12,00,000.00	24,00,000.00
5	Portable Ultrasound Machine	1	2,00,000.00	2,00,000.00
	TOTAL	6		1,37,00,000.00

KANYAKUMARI Medical College Hospital
UROLOGY DEPARTMENT

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Resectoscope	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
4	Holmium Laser	1	30,00,000.00	30,00,000.00
5	PCNL Scope	1	2,00,000.00	2,00,000.00
6	C-ARM Machine	1	40,00,000.00	40,00,000.00
7	Pnuematic Lithoclast	1	5,00,000.00	5,00,000.00
8	ESWL (Extracorporeal shock wave lithotripsy)	1	1,25,00,000.00	1,25,00,000.00
9	Renal Vascular Instrument set	1	5,00,000.00	5,00,000.00
	TOTAL	9		2,26,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

Components 2.1 : Strengthening Referral Hospitals (Medical Equipment)
Medical College Hospitals

PUDUKOTTAI Medical College Hospital
ANAESTHESIA Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station with Monitor	2	25,00,000.00	50,00,000.00
2	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
3	Defibrillator	1	6,00,000.00	6,00,000.00
4	Fiberoptic Bronchoscope Adult	1	5,00,000.00	5,00,000.00
5	Fiberoptic Bronchoscope Paediatric	1	5,00,000.00	5,00,000.00
6	Brain function Monitor (Depth, AGM and Regional Oximeter)	2	15,00,000.00	30,00,000.00
7	Multipara Monitor with IBP	1	2,00,000.00	2,00,000.00
8	Multipara monitor with ETCO2	5	3,00,000.00	15,00,000.00
9	Neuro Muscular Monitor	1	5,00,000.00	5,00,000.00
10	Patient Controlled Analgesia Pump	1	50,000.00	50,000.00
11	Ventilators (High End)	1	15,00,000.00	15,00,000.00
12	Video Laryngoscope System	1	3,00,000.00	3,00,000.00
	TOTAL	18		1,48,50,000.00

PUDUKOTTAI Medical College Hospital
CARDIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Echocardiogram with 3D TEE probe	1	60,00,000.00	60,00,000.00
	TOTAL	1		60,00,000.00

PUDUKOTTAI Medical College Hospital
ENT Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS Complete set with Microdebrider	1	85,00,000.00	85,00,000.00
2	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
3	High speed micro drill	1	10,00,000.00	10,00,000.00
4	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	10,00,000.00	10,00,000.00
5	Micro ear surgery instrument set	1	2,00,000.00	2,00,000.00
6	Pure tone and speech audiometer	1	1,50,000.00	1,50,000.00
7	Impedence Audiometer	1	2,50,000.00	2,50,000.00
	TOTAL	7		1,21,00,000.00

PUDUKOTTAI Medical College Hospital
NEPHROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	CRRT Complete set (inclusive of bed, RO, consumables 30 kits)	2	30,00,000.00	60,00,000.00
2	Crash cart complete set	1	5,00,000.00	5,00,000.00
	TOTAL	3		65,00,000.00

PUDUKOTTAI Medical College Hospital
ORTHO Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	2	20,00,000.00	40,00,000.00
3	C-ARM Machine	1	40,00,000.00	40,00,000.00
4	Operation Theatre LED Light	2	15,00,000.00	30,00,000.00
5	Laminar air flow	1	20,00,000.00	20,00,000.00
6	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
7	Digital Pneumatic Tourniquet (Adult & paediatric)	1	1,00,000.00	1,00,000.00
8	Electro Surgical Unit with under water cutting facility	1	5,00,000.00	5,00,000.00
9	Vascular Doppler	1	40,000.00	40,000.00
10	POP Cutting Machine	1	25,000.00	25,000.00
11	POP Cutting Instruments	1	15,000.00	15,000.00
12	Large Fragment Set	1	20,000.00	20,000.00
13	PFN Set	1	20,000.00	20,000.00
14	Small Fragment Set	1	20,000.00	20,000.00
15	Spinal Instrument Set	1	1,00,000.00	1,00,000.00
	TOTAL	17		1,93,40,000.00

PUDUKOTTAI Medical College Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Spectralis OCT/Retina/ Glacuoma / Cornea	1	60,00,000.00	60,00,000.00
2	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
3	Phaco Machine	1	16,50,000.00	16,50,000.00
4	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
5	Fundus Fluoroscein Angiography Machine (FFA machine)	1	21,00,000.00	21,00,000.00
6	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	6		1,20,00,000.00

PUDUKOTTAI Medical College Hospital
RADIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Computed Radiography machine (CR)	1	8,00,000.00	8,00,000.00
2	Digital Radiography with Fluroscopy	1	1,00,00,000.00	1,00,00,000.00
3	Portable Ultrasound Machine	1	2,00,000.00	2,00,000.00
	TOTAL	3		1,10,00,000.00

PUDUKOTTAI Medical College Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Resectoscope	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
4	Holmium Laser	1	30,00,000.00	30,00,000.00
7	Pnuematic Lithoclast	1	5,00,000.00	5,00,000.00
	TOTAL	5		54,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.1 : Strengthening Referral Hospitals (Medical Equipment)
Medical College Hospitals**

**SALEM Medical College Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station with Monitor	2	25,00,000.00	50,00,000.00
2	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
3	Hemodynamic Monitor	1	15,00,000.00	15,00,000.00
4	Fiberoptic Bronchoscope Adult	1	5,00,000.00	5,00,000.00
5	Fiberoptic Bronchoscope Paediatric	1	5,00,000.00	5,00,000.00
6	Brain function Monitor (Depth, AGM and Regional Oximeter)	2	15,00,000.00	30,00,000.00
7	Multipara Monitor with IBP	1	2,00,000.00	2,00,000.00
8	Multipara monitor with ETCO2	3	3,00,000.00	9,00,000.00
9	Neuro Muscular Monitor	1	5,00,000.00	5,00,000.00
10	Patient Controlled Analgesia Pump	2	50,000.00	1,00,000.00
11	Ventilators (High End)	2	15,00,000.00	30,00,000.00
12	Video Laryngoscope System	1	3,00,000.00	3,00,000.00
	TOTAL	18		1,67,00,000.00

**SALEM Medical College Hospital
CARDIOLOGY Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Intra Vascular Ultrasound	1	60,00,000.00	60,00,000.00
2	Optical coherence tomography (OCT) with FFR	1	1,20,00,000.00	1,20,00,000.00
3	Rotablator	1	60,00,000.00	60,00,000.00
4	Electrophysiology and ablation system	1	65,00,000.00	65,00,000.00
5	Echocardiogram with 3D TEE probe	1	60,00,000.00	60,00,000.00
6	Intra Aortic balloon counterpulsation machine	1	30,00,000.00	30,00,000.00
7	Extra Corporal Membrane Oxygenation (ECMO) Machine	1	40,00,000.00	40,00,000.00
8	Low Temperature formaldehyde Sterilizer	1	40,00,000.00	40,00,000.00
	TOTAL	8		4,75,00,000.00

SALEM Medical College Hospital
ENT Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS Complete set with Microdebrider	2	85,00,000.00	1,70,00,000.00
2	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
3	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
4	High speed micro drill	1	10,00,000.00	10,00,000.00
5	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	10,00,000.00	10,00,000.00
6	Coablation surgery unit	1	7,00,000.00	7,00,000.00
7	Micro ear surgery instrument set	3	2,00,000.00	6,00,000.00
8	Pure tone and speech audiometer	1	1,50,000.00	1,50,000.00
9	Impedence Audiometer	1	2,50,000.00	2,50,000.00
10	Nasal Endoscopy complete set	1	8,00,000.00	8,00,000.00
11	Stroboscopy	1	3,00,000.00	3,00,000.00
12	Oto Acoustic Emission Machine (OAE)	1	3,00,000.00	3,00,000.00
13	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
14	Facial Nerve Monitor	1	12,00,000.00	12,00,000.00
	TOTAL	17		2,94,00,000.00

SALEM Medical College Hospital
MGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Video Duodenoscope with ERCP accessories entire set	1	20,00,000.00	20,00,000.00
2	Video Colonoscope entire set	1	15,00,000.00	15,00,000.00
3	Upper GI Video Endoscope entire set	1	15,00,000.00	15,00,000.00
4	Ultraslim Video Gastroscope	1	12,00,000.00	12,00,000.00
5	Endoscopic washer disinfector	1	2,00,000.00	2,00,000.00
6	Endoscopic table	1	50,000.00	50,000.00
7	High definition Linear Endoscope Ultrasound	1	70,00,000.00	70,00,000.00
8	Esophageal manometry	1	20,00,000.00	20,00,000.00
	TOTAL	8		1,54,50,000.00

**SALEM Medical College Hospital
NEPHROLOGY Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	CRRT Complete set (inclusive of bed, RO, consumables 30 kits)	2	30,00,000.00	60,00,000.00
2	Crash cart complete set	1	5,00,000.00	5,00,000.00
	TOTAL	3		65,00,000.00

**SALEM Medical College Hospital
ORTHO Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	2	20,00,000.00	40,00,000.00
3	C-ARM Machine	1	40,00,000.00	40,00,000.00
4	Power drill system with oscillating saw and flexible reamer (Complete set)	2	10,00,000.00	20,00,000.00
5	Digital Pneumatic Tourniquet (Adult & paediatric)	2	1,00,000.00	2,00,000.00
6	Electro Surgical Unit with under water cutting facility	1	5,00,000.00	5,00,000.00
7	Vascular Doppler	2	40,000.00	80,000.00
8	POP Cutting Machine	1	25,000.00	25,000.00
9	POP Cutting Instruments	1	15,000.00	15,000.00
10	Large Fragment Set	1	20,000.00	20,000.00
11	Spinal Instrument Set	2	1,00,000.00	2,00,000.00
	TOTAL	16		1,55,40,000.00

SALEM Medical College Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Slit Lamp with Applanation Tonometer with video	1	13,50,000.00	13,50,000.00
2	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
3	Surgical Operating Microscope with Resight	1	1,40,00,000.00	1,40,00,000.00
4	Phaco Machine	1	16,50,000.00	16,50,000.00
5	Auto Refractometer	1	3,50,000.00	3,50,000.00
6	Posterior Vitrectomy Machine	1	45,00,000.00	45,00,000.00
7	Pascal pattern laser	1	52,00,000.00	52,00,000.00
8	Fundus Fluorescein Angiography Machine (FFA machine)	1	21,00,000.00	21,00,000.00
9	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	9		3,10,50,000.00

SALEM Medical College Hospital
RADIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Digital Radiography with Fluroscopy	1	1,00,00,000.00	1,00,00,000.00
2	Ultra sonogram - Colour Doppler	2	12,00,000.00	24,00,000.00
3	Portable Ultrasound Machine	2	2,00,000.00	4,00,000.00
	TOTAL	5		1,28,00,000.00

THOOTHUKUDI Medical College Hospital
RADIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Computed Radiography machine (CR)	2	8,00,000.00	16,00,000.00
2	Digital Radiography with Fluoroscopy	1	1,00,00,000.00	1,00,00,000.00
3	Digital X ray	1	75,00,000.00	75,00,000.00
4	Mobile X -ray unit 100 mA	4	2,00,000.00	8,00,000.00
5	Ultrasound Machine	1	3,00,000.00	3,00,000.00
	TOTAL	9		2,02,00,000.00

THOOTHUKUDI Medical College Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Slit Lamp with Applanation Tonometer with video	1	13,50,000.00	13,50,000.00
2	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
3	Phaco Machine	1	16,50,000.00	16,50,000.00
4	Auto Refractometer	1	3,50,000.00	3,50,000.00
5	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	5		52,50,000.00

THOOTHUKUDI Medical College Hospital
ORTHO Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	1	20,00,000.00	20,00,000.00
3	C-ARM Machine	1	40,00,000.00	40,00,000.00
4	Operation Theatre LED Light	1	15,00,000.00	15,00,000.00
5	Laminar air flow	1	20,00,000.00	20,00,000.00
6	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
7	Electro Surgical Unit with under water cutting facility	1	5,00,000.00	5,00,000.00
8	Vascular Doppler	1	40,000.00	40,000.00
9	Large Fragment Set	3	20,000.00	60,000.00
10	Small Fragment Set	3	20,000.00	60,000.00
11	Spinal Instrument Set	1	1,00,000.00	1,00,000.00
	TOTAL	15		1,57,60,000.00

THOOTHUKUDI Medical College Hospital
NEPHROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	CRRT Complete set (inclusive of bed, RO, consumables 30 kits)	2	30,00,000.00	60,00,000.00
2	Crash cart complete set	1	5,00,000.00	5,00,000.00
	TOTAL	3		65,00,000.00

THOOTHUKUDI Medical College Hospital
MGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Video Duodenoscope with ERCP accessories entire set	1	20,00,000.00	20,00,000.00
2	Video Colonoscope entire set	1	15,00,000.00	15,00,000.00
3	Upper GI Video Endoscope entire set	1	15,00,000.00	15,00,000.00
4	Ultraslim Video Gastroscope	1	12,00,000.00	12,00,000.00
5	Endoscopic washer disinfector	1	2,00,000.00	2,00,000.00
6	Endoscopic table	2	50,000.00	1,00,000.00
7	High definition Linear Endoscope Ultrasound	1	70,00,000.00	70,00,000.00
8	Esophageal manometry	1	20,00,000.00	20,00,000.00
9	C-ARM Machine	1	40,00,000.00	40,00,000.00
	TOTAL	10		1,95,00,000.00

THOOTHUKUDI Medical College Hospital
ENT Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS Complete set with Microdebrider	2	85,00,000.00	1,70,00,000.00
2	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
3	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
4	High speed micro drill	2	10,00,000.00	20,00,000.00
5	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	10,00,000.00	10,00,000.00
6	Coablation surgery unit	1	7,00,000.00	7,00,000.00
7	Micro ear surgery instrument set	2	2,00,000.00	4,00,000.00
8	Pure tone and speech audiometer	1	1,50,000.00	1,50,000.00
9	Impedence Audiometer	1	2,50,000.00	2,50,000.00
10	Nasal Endoscopy complete set	1	8,00,000.00	8,00,000.00
11	Oto Acoustic Emission Machine (OAE)	1	3,00,000.00	3,00,000.00
12	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
13	Bronchoscope flexible (Adult & Paediatric) with instrument	1	8,00,000.00	8,00,000.00
14	Oesophagoscope (Adult & Paediatric) with instrument	1	1,00,000.00	1,00,000.00
15	Facial Nerve Monitor	1	12,00,000.00	12,00,000.00
	TOTAL	18		3,08,00,000.00

THOOTHUKUDI Medical College Hospital
CARDIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Echocardiogram with 3D TEE probe	1	60,00,000.00	60,00,000.00
2	Low Temperature formaldehyde Sterilizer	1	40,00,000.00	40,00,000.00
	TOTAL	2		1,00,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

Components 2.1 : Strengthening Referral Hospitals (Medical Equipment)
Medical College Hospitals

THOOTHUKUDI Medical College Hospital
ANAESTHESIA Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station with Monitor	2	25,00,000.00	50,00,000.00
2	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
3	Defibrillator	2	6,00,000.00	12,00,000.00
6	Fiberoptic Bronchoscope Paediatric	1	5,00,000.00	5,00,000.00
7	Brain function Monitor (Depth, AGM and Regional Oximeter)	2	15,00,000.00	30,00,000.00
9	Multipara monitor with ETCO2	2	3,00,000.00	6,00,000.00
10	Neuro Muscular Monitor	1	5,00,000.00	5,00,000.00
11	Patient Controlled Analgesia Pump	2	50,000.00	1,00,000.00
13	Video Laryngoscope System	1	3,00,000.00	3,00,000.00
	TOTAL	14		1,24,00,000.00

**TIRUNELVELI Medical College Hospitals -
UROLOGY Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Resectoscope	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
4	Holmium Laser	1	30,00,000.00	30,00,000.00
5	PCNL Scope	1	2,00,000.00	2,00,000.00
6	C-Arm Machine	1	40,00,000.00	40,00,000.00
7	Pnuematic Lithoclast	1	5,00,000.00	5,00,000.00
8	Renal Vascular Instrument set	1	5,00,000.00	5,00,000.00
9	Urodynamic Measurement Unit	1	5,00,000.00	5,00,000.00
10	Harmonic Scalpel with Generator	1	25,00,000.00	25,00,000.00
	TOTAL	10		1,31,00,000.00

**TIRUNELVELI Medical College Hospitals -
SGE Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Operation Theatre Table (with General Surgery attachment)	1	15,00,000.00	15,00,000.00
2	Cavitron Ultrasonic Surgical Aspirator (CUSA)	1	45,00,000.00	45,00,000.00
3	Endoscopic washer disinfector	1	2,00,000.00	2,00,000.00
4	Endoscopic table	1	50,000.00	50,000.00
5	Harmonic Scalpel with Generator	1	25,00,000.00	25,00,000.00
6	Laparoscope (High Definition)	1	45,00,000.00	45,00,000.00
7	Surgical diathermy with Vessel sealing	1	5,00,000.00	5,00,000.00
8	Upper GI Video Endoscope	1	15,00,000.00	15,00,000.00
9	Video Bronchoscope (Flexible)	1	5,00,000.00	5,00,000.00
10	Video Colonoscope	1	15,00,000.00	15,00,000.00
11	Video Duodenoscope with ERCP accessories	1	20,00,000.00	20,00,000.00
	TOTAL	11		1,92,50,000.00

**TIRUNELVELI Medical College Hospitals -
RADIOLOGY Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Digital Radiography with Fluroscopy	1	1,00,00,000.00	1,00,00,000.00
2	Digital X ray	1	75,00,000.00	75,00,000.00
3	Mobile X -ray unit 100 mA	3	2,00,000.00	6,00,000.00
		5		1,81,00,000.00

**TIRUNELVELI Medical College Hospitals -
OPHTHAL Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Slit Lamp with Applanation Tonometer with video	1	13,50,000.00	13,50,000.00
2	Specular Microscope (in vivo)	1	20,00,000.00	20,00,000.00
3	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
4	Surgical Operating Microscope with Resight	1	1,40,00,000.00	1,40,00,000.00
5	Phaco Machine	1	16,50,000.00	16,50,000.00
6	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
7	Posterior Vitrectomy Machine	1	45,00,000.00	45,00,000.00
8	Pascal pattern laser	1	52,00,000.00	52,00,000.00
9	Fundus Fluoroscein Angiography Machine (FFA machine)	1	21,00,000.00	21,00,000.00
10	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	10		3,30,50,000.00

**TIRUNELVELI Medical College Hospitals -
ORTHO Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	C-ARM Machine	2	40,00,000.00	80,00,000.00
3	Operation Theatre LED Light	2	15,00,000.00	30,00,000.00
4	Power drill system with oscillating saw and flexible reamer (Complete set)	2	10,00,000.00	20,00,000.00
5	Digital Pneumatic Tourniquet (Adult & paediatric)	2	1,00,000.00	2,00,000.00
6	Electro Surgical Unit with under water cutting facility	1	5,00,000.00	5,00,000.00
7	Vascular Doppler	1	40,000.00	40,000.00
8	POP Cutting Machine	2	25,000.00	50,000.00
9	POP Cutting Instruments	2	15,000.00	30,000.00
10	Spinal Instrument Set	2	1,00,000.00	2,00,000.00
	TOTAL	17		1,85,20,000.00

TIRUNELVELI Medical College Hospital
NEPHROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	CRRT Complete set (inclusive of bed, RO, consumables 30 kits)	2	30,00,000.00	60,00,000.00
2	Crash cart complete set	1	5,00,000.00	5,00,000.00
	TOTAL	3		65,00,000.00

TIRUNELVELI Medical College Hospital
MGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Video Duodenoscope with ERCP accessories entire set	1	20,00,000.00	20,00,000.00
2	Video Colonoscope entire set	1	15,00,000.00	15,00,000.00
3	Upper GI Video Endoscope entire set	1	15,00,000.00	15,00,000.00
4	Ultraslim Video Gastroscope	1	12,00,000.00	12,00,000.00
5	Endoscopic washer disinfectant	1	2,00,000.00	2,00,000.00
6	Endoscopic table	4	50,000.00	2,00,000.00
7	High definition Linear Endoscope Ultrasound	1	70,00,000.00	70,00,000.00
8	Esophageal manometry	1	20,00,000.00	20,00,000.00
9	C-ARM Machine	1	40,00,000.00	40,00,000.00
	TOTAL	12		1,96,00,000.00

TIRUNELVELI Medical College Hospital
ENT Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS Complete set with Microdebrider	1	85,00,000.00	85,00,000.00
2	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
3	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
4	Micro ear surgery instrument set	1	2,00,000.00	2,00,000.00
5	Stroboscopy	1	3,00,000.00	3,00,000.00
	TOTAL	5		1,45,00,000.00

TIRUNELVELI Medical College Hospital
CARDIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Intra Vascular Ultrasound	1	60,00,000.00	60,00,000.00
2	Optical coherence tomography (OCT) with FFR	1	1,20,00,000.00	1,20,00,000.00
3	Rotablator	1	60,00,000.00	60,00,000.00
4	Intra Aortic balloon counterpulsation machine	1	30,00,000.00	30,00,000.00
5	Low Temperature formaldehyde Sterilizer	1	40,00,000.00	40,00,000.00
	TOTAL	5		3,10,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.1 : Strengthening Referral Hospitals (Medical Equipment)
Medical College Hospitals**

**TIRUNELVELI Medical College Hospitals -
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station with Monitor	2	25,00,000.00	50,00,000.00
2	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
3	Hemodynamic Monitor	1	15,00,000.00	15,00,000.00
4	Fiberoptic Bronchoscope Adult	1	5,00,000.00	5,00,000.00
5	Fiberoptic Bronchoscope Paediatric	1	5,00,000.00	5,00,000.00
6	Brain function Monitor (Depth, AGM and Regional Oximeter)	2	15,00,000.00	30,00,000.00
7	Neuro Muscular Monitor	1	5,00,000.00	5,00,000.00
8	Patient Controlled Analgesia Pump	2	50,000.00	1,00,000.00
9	Ventilators (High End)	2	15,00,000.00	30,00,000.00
10	Video Laryngoscope System	2	3,00,000.00	6,00,000.00
	TOTAL	15		1,59,00,000.00

THANJAVUR Medical College Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Resectoscope	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
4	Holmium Laser	1	30,00,000.00	30,00,000.00
5	PCNL Scope	1	2,00,000.00	2,00,000.00
6	C-ARM Machine	1	40,00,000.00	40,00,000.00
7	Pnuematic Lithoclast	1	5,00,000.00	5,00,000.00
8	ESWL (Extracorporeal shock wave lithotripsy)	1	1,25,00,000.00	1,25,00,000.00
9	Renal Vascular Instrument set	1	5,00,000.00	5,00,000.00
10	Urodynamic Measurement Unit	1	5,00,000.00	5,00,000.00
11	Harmonic Scalpel with Generator	1	25,00,000.00	25,00,000.00
	TOTAL	11		2,56,00,000.00

THANJAVUR Medical College Hospital
SGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Cavitron Ultrasonic Surgical Aspirator (CUSA)	1	45,00,000.00	45,00,000.00
2	Endoscopic washer disinfecter	1	2,00,000.00	2,00,000.00
3	Endoscopic table	2	50,000.00	1,00,000.00
4	Harmonic Scalpel with Generator	1	25,00,000.00	25,00,000.00
5	Laparoscope (High Definition)	1	45,00,000.00	45,00,000.00
6	Surgical diathermy with Vessel sealing	1	5,00,000.00	5,00,000.00
7	Upper GI Video Endoscope	1	15,00,000.00	15,00,000.00
8	Video Colonoscope	1	15,00,000.00	15,00,000.00
9	Video Duodenoscope with ERCP accessories	1	20,00,000.00	20,00,000.00
10	Electrosurgical unit with vessel fusion and argon plasma coagulator	1	20,00,000.00	20,00,000.00
	TOTAL	11		1,93,00,000.00

THANJAVUR Medical College Hospital
RADIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Digital Mammography	1	2,50,00,000.00	2,50,00,000.00
2	Digital Radiography with Fluroscopy	1	1,00,00,000.00	1,00,00,000.00
3	Digital X ray	1	75,00,000.00	75,00,000.00
	TOTAL	3		4,25,00,000.00

THANJAVUR Medical College Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Slit Lamp with Applanation Tonometer with video	1	13,50,000.00	13,50,000.00
2	Specular Microscope (in vivo)	1	20,00,000.00	20,00,000.00
3	Spectralis OCT/Retina/ Glacuoma / Cornea	1	60,00,000.00	60,00,000.00
4	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
5	Surgical Operating Microscope with Resight	1	1,40,00,000.00	1,40,00,000.00
6	Optical Biometer	1	19,50,000.00	19,50,000.00
7	Phaco Machine	1	16,50,000.00	16,50,000.00
8	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
9	Posterior Vitrectomy Machine	1	45,00,000.00	45,00,000.00
10	Stimulator Retina Module	1	2,30,00,000.00	2,30,00,000.00
11	Pascal pattern laser	1	52,00,000.00	52,00,000.00
12	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
13	Field Analyser	1	32,00,000.00	32,00,000.00
	TOTAL	13		6,51,00,000.00

THANJAVUR Medical College Hospital
ORTHO Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	1	20,00,000.00	20,00,000.00
3	C-ARM Machine	1	40,00,000.00	40,00,000.00
4	Operation Theatre LED Light	1	15,00,000.00	15,00,000.00
5	Laminar air flow	1	20,00,000.00	20,00,000.00
6	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
7	Electro Surgical Unit with under water cutting facility	2	5,00,000.00	10,00,000.00
8	Vascular Doppler	1	40,000.00	40,000.00
9	POP Cutting Machine	1	25,000.00	25,000.00
10	Large Fragment Set	1	20,000.00	20,000.00
11	PFN.Set	1	20,000.00	20,000.00
12	Small Fragment Set	1	20,000.00	20,000.00
13	Spinal Instrument Set	1	1,00,000.00	1,00,000.00
14	DHS Set	1	50,000.00	50,000.00
	TOTAL	15		1,62,75,000.00

THANJAVUR Medical College Hospital
NEPHROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	CRRT Complete set (inclusive of bed, RO, consumables 30 kits)	2	30,00,000.00	60,00,000.00
2	Crash cart complete set	1	5,00,000.00	5,00,000.00
	TOTAL	3		65,00,000.00

THANJAVUR Medical College Hospital
MGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Video Duodenoscope with ERCP accessories entire set	1	20,00,000.00	20,00,000.00
2	Video Colonoscope entire set	1	15,00,000.00	15,00,000.00
3	Upper GI Video Endoscope entire set	1	15,00,000.00	15,00,000.00
4	Ultraslim Video Gastroscope	1	12,00,000.00	12,00,000.00
5	Endoscopic washer disinfecter	1	2,00,000.00	2,00,000.00
6	Endoscopic table	2	50,000.00	1,00,000.00
7	High definition Linear Endoscope Ultrasound	1	70,00,000.00	70,00,000.00
8	Esophageal manometry	1	20,00,000.00	20,00,000.00
	TOTAL	9		1,55,00,000.00

THANJAVUR Medical College Hospital
ENT Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS Complete set with Microdebrider	2	85,00,000.00	1,70,00,000.00
2	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
3	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
4	High speed micro drill	2	10,00,000.00	20,00,000.00
5	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	10,00,000.00	10,00,000.00
6	Coablation surgery unit	2	7,00,000.00	14,00,000.00
7	Micro ear surgery instrument set	2	2,00,000.00	4,00,000.00
8	Pure tone and speech audiometer	1	1,50,000.00	1,50,000.00
9	Impedence Audiometer	1	2,50,000.00	2,50,000.00
10	Nasal Endoscopy complete set	1	8,00,000.00	8,00,000.00
11	Oto Acoustic Emission Machine (OAE)	1	3,00,000.00	3,00,000.00
12	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
13	Bronchoscope flexible (Adult & Paediatric) with instrument	1	8,00,000.00	8,00,000.00
14	Rigid Bronchoscope (Adult & Paediatric) with instrument	1	3,50,000.00	3,50,000.00
15	Oesophagoscope (Adult & Paediatric) with instrument	1	1,00,000.00	1,00,000.00
16	Facial Nerve Monitor	1	12,00,000.00	12,00,000.00
	TOTAL	20		3,18,50,000.00

THANJAVUR Medical College Hospital
CARDIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Optical coherence tomography (OCT) with FFR	1	1,20,00,000.00	1,20,00,000.00
2	Rotablator	1	60,00,000.00	60,00,000.00
3	Echocardiogram with 3D TEE probe	1	60,00,000.00	60,00,000.00
4	Low Temperature formaldehyde Sterilizer	1	40,00,000.00	40,00,000.00
	TOTAL	4	2,80,00,000.00	2,80,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.1 : Strengthening Referral Hospitals (Medical Equipment)
Medical College Hospitals**

**THANJAVUR Medical College Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station with Monitor	2	25,00,000.00	50,00,000.00
2	Defibrillator	6	6,00,000.00	36,00,000.00
3	Hemodynamic Monitor	1	15,00,000.00	15,00,000.00
4	Fiberoptic Bronchoscope Adult	1	5,00,000.00	5,00,000.00
5	Fiberoptic Bronchoscope Paediatric	1	5,00,000.00	5,00,000.00
6	Brain function Monitor (Depth, AGM and Regional Oximeter)	2	15,00,000.00	30,00,000.00
7	Neuro Muscular Monitor	1	5,00,000.00	5,00,000.00
8	Patient Controlled Analgesia Pump	2	50,000.00	1,00,000.00
9	Ventilators (High End)	3	15,00,000.00	45,00,000.00
10	Video Laryngoscope System	1	3,00,000.00	3,00,000.00
	TOTAL	20		1,95,00,000.00

SALEM Medical College Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Resectoscope	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
4	Holmium Laser	1	30,00,000.00	30,00,000.00
5	PCNL Scope	1	2,00,000.00	2,00,000.00
6	C-ARM Machine	1	40,00,000.00	40,00,000.00
7	Pneumatic Lithoclast	1	5,00,000.00	5,00,000.00
8	ESWL (Extracorporeal shock wave lithotripsy)	1	1,25,00,000.00	1,25,00,000.00
9	Renal Vascular Instrument set	1	5,00,000.00	5,00,000.00
10	Urodynamic Measurement Unit	1	5,00,000.00	5,00,000.00
11	Laparoscope (High Definition)	1	45,00,000.00	45,00,000.00
12	Biplanar Renal and Prostatic Biopsy Ultrasound with Guide	1	25,00,000.00	25,00,000.00
13	Harmonic Scalpel with Generator	1	25,00,000.00	25,00,000.00
	TOTAL	13		3,26,00,000.00

SALEM Medical College Hospital
SGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Operation Theatre Table (with General Surgery attachment)	1	15,00,000.00	15,00,000.00
2	Cavitron Ultrasonic Surgical Aspirator (CUSA)	1	45,00,000.00	45,00,000.00
3	Endoscopic washer disinfector	1	2,00,000.00	2,00,000.00
4	Endoscopic table	1	50,000.00	50,000.00
5	Surgical diathermy with Vessel sealing	1	5,00,000.00	5,00,000.00
6	Upper GI Video Endoscope	1	15,00,000.00	15,00,000.00
7	Video Bronchoscope (Flexible)	1	5,00,000.00	5,00,000.00
8	Video Colonoscope	1	15,00,000.00	15,00,000.00
9	Video Duodenoscope with ERCP accessories	1	20,00,000.00	20,00,000.00
	TOTAL	9		1,22,50,000.00

THOOTHUKUDI Medical College Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Resectoscope	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
4	Holmium Laser	1	30,00,000.00	30,00,000.00
5	Pnuematic Lithoclast	1	5,00,000.00	5,00,000.00
6	Renal Vascular Instrument set	1	5,00,000.00	5,00,000.00
	TOTAL	6		59,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.1 : Strengthening Referral Hospitals (Medical Equipments)
Medical College Hospitals**

**TRICHY Medical College Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station with Monitor	2	25,00,000.00	50,00,000.00
2	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
3	Defibrillator	1	6,00,000.00	6,00,000.00
4	Hemodynamic Monitor	1	15,00,000.00	15,00,000.00
5	Fiberoptic Bronchoscope Adult	1	5,00,000.00	5,00,000.00
6	Fiberoptic Bronchoscope Paediatric	1	5,00,000.00	5,00,000.00
7	Brain function Monitor (Depth, AGM and Regional Oximeter)	2	15,00,000.00	30,00,000.00
8	Multipara Monitor with IBP	1	2,00,000.00	2,00,000.00
9	Multipara monitor with ETCO2	4	3,00,000.00	12,00,000.00
10	Neuro Muscular Monitor	1	5,00,000.00	5,00,000.00
11	Patient Controlled Analgesia Pump	2	50,000.00	1,00,000.00
12	Ventilators (High End)	1	15,00,000.00	15,00,000.00
13	Video Laryngoscope System	1	3,00,000.00	3,00,000.00
	TOTAL	19		1,61,00,000.00

**TRICHY Medical College Hospital
CARDIOLOGY Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Intra Vascular Ultrasound	1	60,00,000.00	60,00,000.00
2	Optical coherence tomography (OCT) with FFR	1	1,20,00,000.00	1,20,00,000.00
3	Rotablator	1	60,00,000.00	60,00,000.00
4	Electrophysiology and ablation system	1	65,00,000.00	65,00,000.00
5	Echocardiogram with 3D TEE probe	1	60,00,000.00	60,00,000.00
6	Intra Aortic balloon counterpulsation machine	1	30,00,000.00	30,00,000.00
7	Extra Corporal Membrane Oxygenation (ECMO) Machine	1	40,00,000.00	40,00,000.00
8	Low Temperature formaldehyde Sterilizer	1	40,00,000.00	40,00,000.00
	TOTAL	8		4,75,00,000.00

TRICHY Medical College Hospital
ENT Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS Complete set with Microdebrider	1	85,00,000.00	85,00,000.00
2	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
3	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
4	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	10,00,000.00	10,00,000.00
5	Coablation surgery unit	1	7,00,000.00	7,00,000.00
6	Micro ear surgery instrument set	1	2,00,000.00	2,00,000.00
7	Pure tone and speech audiometer	1	1,50,000.00	1,50,000.00
8	Impedence Audiometer	1	2,50,000.00	2,50,000.00
9	Oto Acoustic Emission Machine (OAE)	1	3,00,000.00	3,00,000.00
10	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
11	Bronchoscope flexible (Adult & Paediatric) with instrument	1	8,00,000.00	8,00,000.00
12	Rigid Bronchoscope (Adult & Paediatric) with instrument	1	3,50,000.00	3,50,000.00
13	Oesophagoscope (Adult & Paediatric) with instrument	1	1,00,000.00	1,00,000.00
14	Facial Nerve Monitor	1	12,00,000.00	12,00,000.00
	TOTAL	14		1,96,50,000.00

TRICHY Medical College Hospital
MGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Video Duodenoscope with ERCP accessories entire set	1	20,00,000.00	20,00,000.00
2	Video Colonoscope entire set	1	15,00,000.00	15,00,000.00
3	Upper GI Video Endoscope entire set	1	15,00,000.00	15,00,000.00
4	Ultraslim Video Gastroscope	1	12,00,000.00	12,00,000.00
5	Endoscopic washer disinfectant	1	2,00,000.00	2,00,000.00
6	Endoscopic table	1	50,000.00	50,000.00
7	High definition Linear Endoscope Ultrasound	1	70,00,000.00	70,00,000.00
8	Esophageal manometry	1	20,00,000.00	20,00,000.00
	TOTAL	8		1,54,50,000.00

TRICHY Medical College Hospital
NEPHROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	CRRT Complete set (inclusive of bed, RO, consumables 30 kits)	2	30,00,000.00	60,00,000.00
2	Crash cart complete set	1	5,00,000.00	5,00,000.00
	TOTAL	3		65,00,000.00

TRICHY Medical College Hospital
ORTHO Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	2	20,00,000.00	40,00,000.00
3	C-ARM Machine	1	40,00,000.00	40,00,000.00
4	Operation Theatre LED Light	2	15,00,000.00	30,00,000.00
5	Laminar air flow	1	20,00,000.00	20,00,000.00
6	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
7	Digital Pneumatic Tourniquet (Adult & paediatric)	2	1,00,000.00	2,00,000.00
8	Electro Surgical Unit with under water cutting facility	1	5,00,000.00	5,00,000.00
9	Vascular Doppler	1	40,000.00	40,000.00
10	POP Cutting Machine	4	25,000.00	1,00,000.00
11	POP Cutting Instruments	4	15,000.00	60,000.00
12	Large Fragment Set	3	20,000.00	60,000.00
13	PFN Set	1	20,000.00	20,000.00
14	Small Fragment Set	3	20,000.00	60,000.00
15	Spinal Instrument Set	1	1,00,000.00	1,00,000.00
	TOTAL	28		1,96,40,000.00

TRICHY Medical College Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Spectralis OCT/Retina/ Glacuoma / Cornea	1	60,00,000.00	60,00,000.00
2	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
3	Phaco Machine	1	16,50,000.00	16,50,000.00
4	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
5	Pascal pattern laser	1	52,00,000.00	52,00,000.00
6	Fundus Fluoroscein Angiography Machine (FFA machine)	1	21,00,000.00	21,00,000.00
7	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
8	Field Analyser	1	32,00,000.00	32,00,000.00
	TOTAL	8		2,04,00,000.00

TRICHY Medical College Hospital
RADIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Digital Mammography	1	2,50,00,000.00	2,50,00,000.00
2	Digital Radiography with Fluroscopy	1	1,00,00,000.00	1,00,00,000.00
3	Digital X ray	1	75,00,000.00	75,00,000.00
4	Mobile X -ray unit 100 mA	2	2,00,000.00	4,00,000.00
5	Ultrasound Machine	2	3,00,000.00	6,00,000.00
6	Ultra sonogram - Colour Doppler	1	12,00,000.00	12,00,000.00
7	Portable Ultrasound Machine	1	2,00,000.00	2,00,000.00
	TOTAL	9		4,49,00,000.00

TRICHY Medical College Hospital
SGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Operation Theatre Table (with General Surgery attachment)	2	15,00,000.00	30,00,000.00
2	Cavitron Ultrasonic Surgical Aspirator (CUSA)	1	45,00,000.00	45,00,000.00
3	Endoscopic washer disinfector	1	2,00,000.00	2,00,000.00
4	Endoscopic table	1	50,000.00	50,000.00
5	Harmonic Scalpel with Generator	1	25,00,000.00	25,00,000.00
6	Laparoscope (High Definition)	1	45,00,000.00	45,00,000.00
7	Surgical diathermy with Vessel sealing	1	5,00,000.00	5,00,000.00
8	Upper GI Video Endoscope	1	15,00,000.00	15,00,000.00
9	Video Colonoscope	1	15,00,000.00	15,00,000.00
10	Electrosurgical unit with vessel fusion and argon plasma coagulator	1	20,00,000.00	20,00,000.00
	TOTAL	11		2,02,50,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.1 : Strengthening Referral Hospitals (Medical Equipments)
Medical College Hospitals**

**VELLORE Medical College Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station with Monitor	4	25,00,000.00	1,00,00,000.00
2	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
3	Hemodynamic Monitor	1	15,00,000.00	15,00,000.00
4	Fiberoptic Bronchoscope Adult	1	5,00,000.00	5,00,000.00
5	Fiberoptic Bronchoscope Paediatric	1	5,00,000.00	5,00,000.00
6	Brain function Monitor (Depth, AGM and Regional Oximeter)	2	15,00,000.00	30,00,000.00
7	Multipara Monitor with IBP	1	2,00,000.00	2,00,000.00
8	Multipara monitor with ETCO2	4	3,00,000.00	12,00,000.00
9	Neuro Muscular Monitor	1	5,00,000.00	5,00,000.00
10	Patient Controlled Analgesia Pump	2	50,000.00	1,00,000.00
11	Ventilators (High End)	2	15,00,000.00	30,00,000.00
12	Video Laryngoscope System	1	3,00,000.00	3,00,000.00
	TOTAL	21		2,20,00,000.00

TRICHY Medical College Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Resectoscope	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
4	Holmium Laser	1	30,00,000.00	30,00,000.00
5	PCNL Scope	1	2,00,000.00	2,00,000.00
6	C-ARM Machine	1	40,00,000.00	40,00,000.00
7	Pnuematic Lithoclast	2	5,00,000.00	10,00,000.00
8	Renal Vascular Instrument set	1	5,00,000.00	5,00,000.00
9	Laparoscope (High Definition)	1	45,00,000.00	45,00,000.00
	TOTAL	10		1,51,00,000.00

**VELLORE Medical College Hospital
CARDIOLOGY Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Optical coherence tomography (OCT) with FFR	1	1,20,00,000.00	1,20,00,000.00
2	Rotablator	1	60,00,000.00	60,00,000.00
3	Electrophysiology and ablation system	1	65,00,000.00	65,00,000.00
4	Echocardiogram with 3D TEE probe	1	60,00,000.00	60,00,000.00
5	24 hour Holter monitoring machine	1	3,00,000.00	3,00,000.00
6	Intra Aortic balloon counterpulsation machine	1	30,00,000.00	30,00,000.00
7	Extra Corporal Membrane Oxygenation (ECMO) Machine	1	40,00,000.00	40,00,000.00
8	Low Temperature formaldehyde Sterilizer	1	40,00,000.00	40,00,000.00
	TOTAL	8		4,18,00,000.00

VELLORE Medical College Hospital
ENT Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS Complete set with Microdebrider	1	85,00,000.00	85,00,000.00
2	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
3	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
4	High speed micro drill	1	10,00,000.00	10,00,000.00
5	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	10,00,000.00	10,00,000.00
6	Coablation surgery unit	1	7,00,000.00	7,00,000.00
7	Micro ear surgery instrument set	1	2,00,000.00	2,00,000.00
8	Impedence Audiometer	1	2,50,000.00	2,50,000.00
9	Nasal Endoscopy complete set	1	8,00,000.00	8,00,000.00
10	Oto Acoustic Emission Machine (OAE)	1	3,00,000.00	3,00,000.00
11	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
12	Facial Nerve Monitor	1	12,00,000.00	12,00,000.00
	TOTAL	12		2,00,50,000.00

VELLORE Medical College Hospital
MGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Video Duodenoscope with ERCP accessories entire set	1	20,00,000.00	20,00,000.00
2	Video Colonoscope entire set	1	15,00,000.00	15,00,000.00
3	Upper GI Video Endoscope entire set	1	15,00,000.00	15,00,000.00
4	Endoscopic washer disinfecter	1	2,00,000.00	2,00,000.00
5	Endoscopic table	1	50,000.00	50,000.00
6	Esophageal manometry	1	20,00,000.00	20,00,000.00
7	C-ARM Machine	1	40,00,000.00	40,00,000.00
	TOTAL	7		1,12,50,000.00

**VELLORE Medical College Hospital
NEPHROLOGY Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	CRRT Complete set (inclusive of bed, RO, consumables 30 kits)	2	30,00,000.00	60,00,000.00
2	Crash cart complete set	1	5,00,000.00	5,00,000.00
	TOTAL	3		65,00,000.00

VELLORE Medical College Hospital
ORTHO Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	2	20,00,000.00	40,00,000.00
3	C-ARM Machine	1	40,00,000.00	40,00,000.00
4	Operation Theatre LED Light	2	15,00,000.00	30,00,000.00
5	Laminar air flow	1	20,00,000.00	20,00,000.00
6	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
7	Digital Pneumatic Tourniquet (Adult & paediatric)	1	1,00,000.00	1,00,000.00
8	Electro Surgical Unit with under water cutting facility	1	5,00,000.00	5,00,000.00
9	Vascular Doppler	1	40,000.00	40,000.00
10	POP Cutting Machine	1	25,000.00	25,000.00
11	POP Cutting Instruments	1	15,000.00	15,000.00
12	Large Fragment Set	1	20,000.00	20,000.00
13	PFN Set	1	20,000.00	20,000.00
14	Small Fragment Set	1	20,000.00	20,000.00
15	Spinal Instrument Set	1	1,00,000.00	1,00,000.00
	TOTAL	17		1,93,40,000.00

VELLORE Medical College Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
2	Phaco Machine	1	16,50,000.00	16,50,000.00
3	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
4	Fundus Fluoroscein Angiography Machine (FFA machine)	1	21,00,000.00	21,00,000.00
5	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	5		60,00,000.00

VELLORE Medical College Hospital
RADIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Computed Radiography machine (CR)	1	8,00,000.00	8,00,000.00
2	Digital Mammography	1	2,50,00,000.00	2,50,00,000.00
3	Digital Radiography with Fluroscopy	1	1,00,00,000.00	1,00,00,000.00
4	Ultrasound Machine	1	3,00,000.00	3,00,000.00
5	Ultra sonogram - Colour Doppler	1	12,00,000.00	12,00,000.00
6	Portable Ultrasound Machine	1	2,00,000.00	2,00,000.00
	TOTAL	6		3,75,00,000.00

VELLORE Medical College Hospital
SGE Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Operation Theatre Table (with General Surgery attachment)	2	15,00,000.00	30,00,000.00
2	Endoscopic washer disinfectors	1	2,00,000.00	2,00,000.00
3	Endoscopic table	1	50,000.00	50,000.00
4	Harmonic Scalpel with Generator	1	25,00,000.00	25,00,000.00
5	Laparoscope High Definition	1	45,00,000.00	45,00,000.00
6	Surgical diathermy with Vessel sealing	1	5,00,000.00	5,00,000.00
7	Upper GI Video Endoscope	1	15,00,000.00	15,00,000.00
8	Electrosurgical unit with vessel fusion and argon plasma coagulator	1	20,00,000.00	20,00,000.00
	TOTAL	9		1,42,50,000.00

VELLORE Medical College Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Resectoscope	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Holmium Laser	1	30,00,000.00	30,00,000.00
4	ESWL (Extracorporeal shock wave lithotripsy)	1	1,25,00,000.00	1,25,00,000.00
5	Laparoscope (High Definition)	1	45,00,000.00	45,00,000.00
	TOTAL	5		2,14,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.2 : Strengthening Referral Hospitals (Medical Equipment)
District Headquarters Hospitals**

**CUDDALORE District Headquarters Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station	7	10,00,000.00	70,00,000.00
2	Fiberoptic Bronchoscope (Adult)	1	5,00,000.00	5,00,000.00
3	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
4	Pulse Oximeter	5	1,00,000.00	5,00,000.00
7	Video Laryngoscope System	2	3,00,000.00	6,00,000.00
	TOTAL	16		98,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.2 : Strengthening Referral Hospitals (Medical Equipment)
District Headquarters Hospitals**

**CUDDALORE District Headquarters Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station	7	10,00,000.00	70,00,000.00
2	Fiberoptic Bronchoscope (Adult)	1	5,00,000.00	5,00,000.00
3	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
4	Pulse Oximeter	5	1,00,000.00	5,00,000.00
7	Video Laryngoscope System	2	3,00,000.00	6,00,000.00
	TOTAL	16		98,00,000.00

**CUDDALORE District Headquarters Hospital
CARDIOLOGY Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Treadmill exercise testing machine	1	5,00,000.00	5,00,000.00
2	Defibrillator	1	6,00,000.00	6,00,000.00
3	ECG Machine	1	50,000.00	50,000.00
4	ECHO machine	1	25,00,000.00	25,00,000.00
5	Multipara monitor	1	1,00,000.00	1,00,000.00
6	Pulseoximeter	1	1,00,000.00	1,00,000.00
7	Syringe pump	2	40,000.00	80,000.00
8	Infusion pump	2	50,000.00	1,00,000.00
	TOTAL	10		40,30,000.00

**CUDDALORE District Headquarters Hospital
ORTHO Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Advanced Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	1	20,00,000.00	20,00,000.00
3	C-ARM Machine	1	40,00,000.00	40,00,000.00
4	Operation Theatre LED Light	1	15,00,000.00	15,00,000.00
5	Laminar air flow	1	20,00,000.00	20,00,000.00
6	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
7	Digital Pneumatic Tourniquet (Adult & paediatric)	2	1,00,000.00	2,00,000.00
8	Vascular Doppler	1	40,000.00	40,000.00
9	POP Cutting Machine	1	25,000.00	25,000.00
10	POP Cutting Instruments	1	15,000.00	15,000.00
11	Large Fragment Set	1	20,000.00	20,000.00
12	PFN Set	1	20,000.00	20,000.00
13	Small Fragment Set	1	20,000.00	20,000.00
	TOTAL	14		1,53,40,000.00

**CUDDALORE District Headquarters Hospital
ENT Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
2	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
3	Microdebrider	1	8,00,000.00	8,00,000.00
4	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	7,00,000.00	7,00,000.00
5	Coablation surgery unit	1	7,00,000.00	7,00,000.00
6	Nasal Endoscopy complete set	1	5,00,000.00	5,00,000.00
7	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
	TOTAL	7		88,00,000.00

CUDDALORE District Headquarters Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
2	Phaco Machine	1	16,50,000.00	16,50,000.00
3	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
4	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	4		39,00,000.00

CUDDALORE District Headquarters Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Electro Surgical Unit with under water cutting facility	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Holmium Laser	1	30,00,000.00	30,00,000.00
4	Resectoscope	1	5,00,000.00	5,00,000.00
5	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
	TOTAL	5		54,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.2 : Strengthening Referral Hospitals (Medical Equipment)
District Headquarters Hospitals**

**DINDIGUL District Headquarters Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station	3	10,00,000.00	30,00,000.00
2	Fiberoptic Bronchoscope (Adult)	1	5,00,000.00	5,00,000.00
3	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
4	Pulse Oximeter	5	1,00,000.00	5,00,000.00
5	Video Laryngoscope System	2	3,00,000.00	6,00,000.00
	TOTAL	12		58,00,000.00

DINDIGUL District Headquarters Hospital
CARDIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Treadmill exercise testing machine	1	5,00,000.00	5,00,000.00
2	Defibrillator	1	6,00,000.00	6,00,000.00
3	ECG Machine	1	50,000.00	50,000.00
4	ECHO machine	1	25,00,000.00	25,00,000.00
5	Multipara monitor	1	1,00,000.00	1,00,000.00
6	Pulseoximeter	1	1,00,000.00	1,00,000.00
7	Syringe pump	2	40,000.00	80,000.00
8	Infusion pump	2	50,000.00	1,00,000.00
	TOTAL	10		40,30,000.00

DINDIGUL District Headquarters Hospital
ENT Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS high end HD camera	1	30,00,000.00	30,00,000.00
2	FESS / Nasal surgery instrument set	1	2,00,000.00	2,00,000.00
3	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
4	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
5	High speed micro motor drill	1	2,00,000.00	2,00,000.00
6	Adeno Tonsillectomy surgery set	1	50,000.00	50,000.00
7	Microdebrider	1	8,00,000.00	8,00,000.00
8	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	7,00,000.00	7,00,000.00
9	Coablation surgery unit	1	7,00,000.00	7,00,000.00
10	Micro ear surgery instrument set	1	1,00,000.00	1,00,000.00
11	Pure tone and speech audiometer	1	1,50,000.00	1,50,000.00
12	Impedence Audiometer	1	2,50,000.00	2,50,000.00
13	Nasal Endoscopy complete set	1	5,00,000.00	5,00,000.00
14	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
15	Oto Acoustic Emission Machine (OAE)	1	3,00,000.00	3,00,000.00
16	Bronchoscope flexible (Adult & Paediatric) with instrument	1	5,00,000.00	5,00,000.00
17	Rigid Bronchoscope (Adult & Paediatric) with instrument	1	3,50,000.00	3,50,000.00
18	Oesophagoscope (Adult & Paediatric) with instrument	1	1,00,000.00	1,00,000.00
	TOTAL	18		1,40,00,000.00

DINDIGUL District Headquarters Hospital
ORTHO Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	1	20,00,000.00	20,00,000.00
3	Laminar air flow	1	20,00,000.00	20,00,000.00
4	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
5	Vascular Doppler	1	40,000.00	40,000.00
6	POP Cutting Machine	1	25,000.00	25,000.00
7	POP Cutting Instruments	1	15,000.00	15,000.00
8	Large Fragment Set	1	20,000.00	20,000.00
9	PFN Set	1	20,000.00	20,000.00
10	Small Fragment Set	1	20,000.00	20,000.00
	TOTAL	10		96,40,000.00

DINDIGUL District Headquarters Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
2	Phaco Machine	1	16,50,000.00	16,50,000.00
3	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
4	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	4		39,00,000.00

DINDIGUL District Headquarters Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Electro Surgical Unit with under water cutting facility	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Holmium Laser	1	30,00,000.00	30,00,000.00
4	Resectoscope	1	5,00,000.00	5,00,000.00
5	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
	TOTAL	5		54,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.2 : Strengthening Referral Hospitals (Medical Equipment)
District Headquarters Hospitals**

**ERODE District Headquarters Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station	2	10,00,000.00	20,00,000.00
2	Fiberoptic Bronchoscope (Adult)	1	5,00,000.00	5,00,000.00
3	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
4	Pulse Oximeter	5	1,00,000.00	5,00,000.00
5	Operation Theatre LED Light	1	15,00,000.00	15,00,000.00
6	Operation theatre table (with C-Arm Compatible)	3	15,00,000.00	45,00,000.00
7	Video Laryngoscope System	2	3,00,000.00	6,00,000.00
	TOTAL	15		1,08,00,000.00

**ERODE District Headquarters Hospital
CARDIOLOGY Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Treadmill exercise testing machine	1	5,00,000.00	5,00,000.00
2	Defibrillator	1	6,00,000.00	6,00,000.00
3	ECG Machine	1	50,000.00	50,000.00
4	ECHO machine	1	25,00,000.00	25,00,000.00
5	Multipara monitor	1	1,00,000.00	1,00,000.00
6	Pulseoximeter	1	1,00,000.00	1,00,000.00
7	Syringe pump	2	40,000.00	80,000.00
8	Infusion pump	2	50,000.00	1,00,000.00
	TOTAL	10		40,30,000.00

**ERODE District Headquarters Hospital
ENT Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS high end HD camera	1	30,00,000.00	30,00,000.00
2	FESS / Nasal surgery instrument set	1	2,00,000.00	2,00,000.00
3	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
4	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
5	High speed micro motor drill	1	2,00,000.00	2,00,000.00
6	Adeno Tonsillectomy surgery set	1	50,000.00	50,000.00
7	Microdebrider	1	8,00,000.00	8,00,000.00
8	Micro laryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	7,00,000.00	7,00,000.00
9	Coablation surgery unit	1	7,00,000.00	7,00,000.00
10	Micro ear surgery instrument set	1	1,00,000.00	1,00,000.00
11	Pure tone and speech audiometer	1	1,50,000.00	1,50,000.00
12	Impedence Audiometer	1	2,50,000.00	2,50,000.00
13	Nasal Endoscopy complete set	1	5,00,000.00	5,00,000.00
14	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
15	Oto Acoustic Emission Machine (OAE)	1	3,00,000.00	3,00,000.00
	TOTAL	15		1,30,50,000.00

**ERODE District Headquarters Hospital
ORTHO Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	1	20,00,000.00	20,00,000.00
3	Operation Theatre LED Light	1	15,00,000.00	15,00,000.00
4	Laminar air flow	1	20,00,000.00	20,00,000.00
5	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
6	Digital Pneumatic Tourniquet (Adult & paediatric)	1	1,00,000.00	1,00,000.00
7	Vascular Doppler	1	40,000.00	40,000.00
8	POP Cutting Machine	1	25,000.00	25,000.00
9	POP Cutting Instruments	1	15,000.00	15,000.00
10	Large Fragment Set	1	20,000.00	20,000.00
11	PFN Set	1	20,000.00	20,000.00
12	Small Fragment Set	1	20,000.00	20,000.00
	TOTAL	12		1,12,40,000.00

ERODE District Headquarters Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
2	Phaco Machine	1	16,50,000.00	16,50,000.00
3	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
4	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	4		39,00,000.00

ERODE District Headquarters Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Electro Surgical Unit with under water cutting facility	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Holmium Laser	1	30,00,000.00	30,00,000.00
4	Resectoscope	1	5,00,000.00	5,00,000.00
5	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
	TOTAL	5		54,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.2 : Strengthening Referral Hospitals (Medical Equipment)
District Headquarters Hospitals**

**KRISHNAGIRI District Headquarters Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Fiberoptic Bronchoscope (Adult)	1	5,00,000.00	5,00,000.00
2	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
3	Pulse Oximeter	5	1,00,000.00	5,00,000.00
4	Video Laryngoscope System	2	3,00,000.00	6,00,000.00
	TOTAL	9		28,00,000.00

KRISHNAGIRI District Headquarters Hospital
CARDIOLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Treadmill exercise testing machine	1	5,00,000.00	5,00,000.00
2	Defibrillator	1	6,00,000.00	6,00,000.00
3	ECG Machine	1	50,000.00	50,000.00
4	ECHO machine	1	25,00,000.00	25,00,000.00
5	Multipara monitor	1	1,00,000.00	1,00,000.00
6	Pulseoximeter	1	1,00,000.00	1,00,000.00
7	Syringe pump	2	40,000.00	80,000.00
8	Infusion pump	2	50,000.00	1,00,000.00
	TOTAL	10		40,30,000.00

**KRISHNAGIRI District Headquarters Hospital
ENT Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS high end HD camera	1	30,00,000.00	30,00,000.00
2	FESS / Nasal surgery instrument set	1	2,00,000.00	2,00,000.00
3	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
4	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
5	High speed micro motor drill	1	2,00,000.00	2,00,000.00
6	Adeno Tonsillectomy surgery set	1	50,000.00	50,000.00
7	Microdebrider	1	8,00,000.00	8,00,000.00
8	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	7,00,000.00	7,00,000.00
9	Coablation surgery unit	1	7,00,000.00	7,00,000.00
10	Micro ear surgery instrument set	1	1,00,000.00	1,00,000.00
11	Nasal Endoscopy complete set	1	5,00,000.00	5,00,000.00
12	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
13	Oto Acoustic Emission Machine (OAE)	1	3,00,000.00	3,00,000.00
14	Bronchoscope flexible (Adult & Paediatric) with instrument	1	5,00,000.00	5,00,000.00
15	Rigid Bronchoscope (Adult & Paediatric) with instrument	1	3,50,000.00	3,50,000.00
	TOTAL	15		1,35,00,000.00

KRISHNAGIRI District Headquarters Hospital
ORTHO Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscopy Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	1	20,00,000.00	20,00,000.00
3	Operation Theatre LED Light	1	15,00,000.00	15,00,000.00
4	Laminar air flow	1	20,00,000.00	20,00,000.00
5	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
6	Digital Pneumatic Tourniquet (Adult & paediatric)	1	1,00,000.00	1,00,000.00
7	Vascular Doppler	1	40,000.00	40,000.00
8	POP Cutting Machine	1	25,000.00	25,000.00
9	POP Cutting Instruments	1	15,000.00	15,000.00
10	Large Fragment Set	2	20,000.00	40,000.00
11	PFN Set	1	20,000.00	20,000.00
12	Small Fragment Set	2	20,000.00	40,000.00
	TOTAL	14		1,12,80,000.00

KRISHNAGIRI District Headquarters Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
2	Phaco Machine	1	16,50,000.00	16,50,000.00
3	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
4	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	4		39,00,000.00

KRISHNAGIRI District Headquarters Hospital
UROLOGY Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Electro Surgical Unit with under water cutting facility	1	2,00,000.00	2,00,000.00
2	Flexible Ureteroscope	1	12,00,000.00	12,00,000.00
3	Holmium Laser	1	30,00,000.00	30,00,000.00
4	Resectoscope	1	5,00,000.00	5,00,000.00
5	Semi rigid Ureteroscope	1	5,00,000.00	5,00,000.00
	TOTAL	5		54,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.2 : Strengthening Referral Hospitals (Medical Equipment)
District Headquarters Hospitals**

**PERIYAKULAM District Headquarters Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station	3	10,00,000.00	30,00,000.00
2	Fiberoptic Bronchoscope (Adult)	1	5,00,000.00	5,00,000.00
3	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
4	Pulse Oximeter	5	1,00,000.00	5,00,000.00
5	Video Laryngoscope System	2	3,00,000.00	6,00,000.00
	TOTAL	12		58,00,000.00

PERIYAKULAM District Headquarters Hospital
ORTHO Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscopie Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	1	20,00,000.00	20,00,000.00
3	Operation Theatre LED Light	1	15,00,000.00	15,00,000.00
4	Laminar air flow	1	20,00,000.00	20,00,000.00
5	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
6	Digital Pneumatic Tourniquet (Adult & paediatric)	1	1,00,000.00	1,00,000.00
7	Vascular Doppler	1	40,000.00	40,000.00
8	POP Cutting Machine	1	25,000.00	25,000.00
9	POP Cutting Instruments	1	15,000.00	15,000.00
10	Large Fragment Set	1	20,000.00	20,000.00
11	PFN Set	1	20,000.00	20,000.00
12	Small Fragment Set	1	20,000.00	20,000.00
	TOTAL	12		1,12,40,000.00

PERIYAKULAM District Headquarters Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
2	Phaco Machine	1	16,50,000.00	16,50,000.00
3	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
4	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	4		39,00,000.00

Tamil Nadu Urban Healthcare Project (Supported by JICA)

**Components 2.2 : Strengthening Referral Hospitals (Medical Equipment)
District Headquarters Hospitals**

**TIRUPPUR District Headquarters Hospital
ANAESTHESIA Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Anaesthesia Work Station	5	10,00,000.00	50,00,000.00
2	Fiberoptic Bronchoscope (Adult)	1	5,00,000.00	5,00,000.00
3	Colour doppler USG (with 3 probes)	1	12,00,000.00	12,00,000.00
4	Pulse Oximeter	5	1,00,000.00	5,00,000.00
5	Video Laryngoscope System	2	3,00,000.00	6,00,000.00
	TOTAL	14		78,00,000.00

**TIRUPPUR District Headquarters Hospital
ENT Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	FESS high end HD camera	1	30,00,000.00	30,00,000.00
2	FESS / Nasal surgery instrument set	1	2,00,000.00	2,00,000.00
3	Operating Microscope - High end	1	45,00,000.00	45,00,000.00
4	Operating Microscope - Basic	1	10,00,000.00	10,00,000.00
5	High speed micro motor drill	1	2,00,000.00	2,00,000.00
6	Adeno Tonsillectomy surgery set	1	50,000.00	50,000.00
7	Microdebrider	1	8,00,000.00	8,00,000.00
8	Microlaryngeal surgery set including suspension laryngoscope, Camera and instrument set	1	7,00,000.00	7,00,000.00
9	Coablation surgery unit	1	7,00,000.00	7,00,000.00
10	Micro ear surgery instrument set	1	1,00,000.00	1,00,000.00
11	Nasal Endoscopy complete set	1	5,00,000.00	5,00,000.00
12	Brain stem evoked response audiometry (BERA)	1	6,00,000.00	6,00,000.00
13	Bronchoscope flexible (Adult & Paediatric) with instrument	1	5,00,000.00	5,00,000.00
14	Oesophagoscope (Adult & Paediatric) with instrument	1	1,00,000.00	1,00,000.00
15	Nasopharyngoscope	1	2,50,000.00	2,50,000.00
	TOTAL	15		1,32,00,000.00

**TIRUPPUR District Headquarters Hospital
ORTHO Department**

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Arthroscope Enitre system	1	45,00,000.00	45,00,000.00
2	Operation Theatre Fracture Table (with Ortho attachment, C-Arm Compatible)	1	20,00,000.00	20,00,000.00
3	Operation Theatre LED Light	1	15,00,000.00	15,00,000.00
4	Power drill system with oscillating saw and flexible reamer (Complete set)	1	10,00,000.00	10,00,000.00
5	Vascular Doppler	1	40,000.00	40,000.00
6	POP Cutting Machine	1	25,000.00	25,000.00
7	POP Cutting Instruments	1	15,000.00	15,000.00
8	Large Fragment Set	1	20,000.00	20,000.00
9	PFN Set	1	20,000.00	20,000.00
10	Small Fragment Set	1	20,000.00	20,000.00
	TOTAL	10		91,40,000.00

TIRUPPUR District Headquarters Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Spectralis OCT/Retina/ Glacuoma / Cornea	1	60,00,000.00	60,00,000.00
2	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
3	Phaco Machine	1	16,50,000.00	16,50,000.00
4	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
5	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	5		99,00,000.00

TIRUPPUR District Headquarters Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Spectralis OCT/Retina/ Glacuoma / Cornea	1	60,00,000.00	60,00,000.00
2	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
3	Phaco Machine	1	16,50,000.00	16,50,000.00
4	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
5	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	5		99,00,000.00

TIRUPPUR District Headquarters Hospital
OPHTHAL Department

S. No.	Name of the Equipment	Quantity	Approximate Unit Cost	Total Cost
1	Spectralis OCT/Retina/ Glacuoma / Cornea	1	60,00,000.00	60,00,000.00
2	Surgical Operating Microscope	1	13,50,000.00	13,50,000.00
3	Phaco Machine	1	16,50,000.00	16,50,000.00
4	Auto Refracto Keratometer	1	3,50,000.00	3,50,000.00
5	Video Indirect ophthalmoscope	1	5,50,000.00	5,50,000.00
	TOTAL	5		99,00,000.00

Annexure II

(G.O(Ms)No.483, Health and Family Welfare (EAP II-1) department, dated 22.10.2019)

I. Procurement of Equipment

- (a) The equipment will be procured through Tamil Nadu Medical Services Corporation Ltd. by following **Japan International Cooperation Agency Procurement Guidelines**.
- (b) The Consultant (Facilities & Equipment) will assist the Project Management Unit (PMU) in the procurement of equipment. The Consultant will work out to provide the technical specifications for the equipment, assist in the preparation of bidding document, supervise the installation of the equipment and will give a report to the Project Director on the working of the equipment after installation. The technical specifications will be submitted to the Project Director for approval.
- (c) The list of equipment and the numbers may be modified by the Project Director with the concurrence of the Japan International Cooperation Agency within the overall cost sanctioned.
- (d) The Medical Equipment under the project will be grouped into packages. When TNMSC invites a bid for equipment, bidders should offer the price bid comprising **(i) the price of the equipment (ii) the cost of 7 – year maintenance (following initial 3 – year warranty period)** and that the total amount of the above (i) and (ii) shall be evaluated as a **price bid**, the cost of 7 – year maintenance will be borne by Government of Tamil Nadu.
- (e) **Prequalification** : The prequalification (P/Q) is in principle required prior to bidding for large or complex equipment and especially for custom designed equipment to ensure that the invitations to bid are extended only to those who are technically and financially capable.
- (f) **Procurement plan**: The Project Management Unit (PMU) will prepare and forward the Procurement Plan, revised Equipment List, Procurement Method (ICB, LCB, P/Q criteria as applicable) to JICA for review and concurrence.
- (g) **Repackaging** : The repackaging from original package as per DPR / MoD will necessarily require prior concurrence from JICA
- (h) If any civil and or electrical work required to accommodate the equipment in the hospital that will also form part of the tender and the bidder shall quote the amount for that also and shall be executed by the suppliers.
- (i) The equipment supplier shall provide training of healthcare providers for hi tech equipment to be provided.
- (j) **Head of Account** The non recurring expenditure of **INR 170,22,95,000** towards the cost of equipment and **INR 20,00,000** towards advertisement charges and **INR 30,64,13,100**

towards GST to be incurred under this proposal may be accounted for against the budget provided to the Tamil Nadu Urban Health Care Society and booked under the Component 2 of the Project. The funds will be transferred to the PD account of Managing Director, Tamil Nadu Medical Services Corporation Ltd. by the project.

(k) Availability of funds

A total amount of Rs. 157,78,37,472 /- is available towards provision of Equipment to Referral Hospitals under component 2 the project cost.

Total amount sanctioned	Rs. 157,78,37,472 /-
Previous Committed expenditure	Rs. Nil
Balance available	Rs. 157,78,37,472 /-
Expenditure now proposed	Rs. 170,22,95,000 /-
Excess expenditure (approximate)	Rs. 12,44,57,528 /-

The excess expenditure of **Rs. 12,44,57,528 /-** Shall be accommodated under contingencies within the JICA part of the project cost.

(l) Reimbursement by JICA

The cost involved in this proposal is reimbursable by JICA except the taxes involved, the cost involved for advertisement and for Annual Maintenance Contract (AMC). The Advertisement cost and the taxes are to be met out of Government of Tamil Nadu part of project cost. The Annual Maintenance Cost will be borne by the Government through the regular budget to the Directorate of Medical Education and Directorate of Medical and Rural Health Services as the case may be.

**BEELA RAJESH
SECRETARY TO GOVERNMENT**

//True Copy//

L. Anand
22/10/19
SECTION OFFICER

Don
22/10/19

