

Expression of Interest (EOI)

For

Services of a Consultancy Organization

To

**Sree Chitra Tirunal Institute for Medical Sciences and Technology
(SCTIMST) Trivandrum**

Department of Science and Technology, Govt. of India

Thiruvananthapuram - 695 011, Kerala, India

Email : sct@sctinst.ac.in

Phone : 91-471-2443152 Fax : 91-471-2446433

November, 2018

INDEX

S.No.	CONTENTS	Page No.
1.	Text of Advertisement Invitation For Expression of Interest	3
2.	Letter of Invitation	4
3.	SCOPE	5
4.	Objectives	5
5.	EOI Processing Fees	5
6.	Venue & Deadline for Submission of Proposal	5
7.	Validity of Offer	6
8.	Term of Reference	6 /Annexure-I
9.	Instructions to Consultants	6
10.	Qualification Criteria	6
11.	Evaluation Criteria & Method of Evaluation	8
12.	Response	8
13.	Conflict of Interest	8
14.	Condition under which EOI is issued	8
15.	Last Date of submission of EOI	8
16.	FORMATS	
i)	Format - 1	9
ii)	Format – 2	10
iii)	Format - 3	11
iv)	Format - 4	12
v)	Format - 5	13
vi)	Format - 6	14
vii)	Format - 7	15
17.	Annexure I – Terms of Reference	16
18.	Annexure II – List Facilities and Equipment	21
19.	Annexure III – Floor wise details of Important facilities	25

1. TEXT OF ADVERTISEMENT

**Sree Chitra Tirunal Institute for Medical Sciences and Technology
(SCTIMST) Trivandrum**

Department of Science and Technology, Govt. of India
Thiruvananthapuram - 695 011, Kerala, India

DCE/CS/SCTIMST/2018

20.11.2018

INVITATION FOR EXPRESSION OF INTEREST

Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) invites sealed Expression of Interest (EOI) from Indian consulting agencies for undertaking consultancy for planning of facilities and procurement of medical equipment for the proposed 170 bedded Swasthya Suraksha Hospital Block.

The EOI Document containing the details of qualification criteria, submission requirement, brief objective & scope of work and evaluation criteria etc. can be downloaded from the website www.sctimst.ac.in.

Further details, if any, may be obtained from Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) Trivandrum, Thiruvananthapuram - 695 011, Kerala, India during working hours.

Last date for submission of EOI is 11th December, 2018 upto 1400 hrs. Sealed envelope marked to the captioned address, containing EOI and non-refundable fee of Rs 5000.00 by way of DD/Pay Order in favour of "Director, Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) Trivandrum, may be submitted mentioning "EOI for undertaking consultancy for planning of facilities and procurement of medical equipment for SCTIMST" on the top cover:

Applicants meeting the qualification criteria may be invited for presentation / proposal before the selection committee of SCTIMST. Bid Document will be subsequently issued to the short listed applicants only.

DIRECTOR

**Sree Chitra Tirunal Institute for Medical Sciences and Technology
(SCTIMST) Trivandrum**

Department of Science and Technology, Govt. of India
Thiruvananthapuram - 695 011, Kerala, India

Note: SCTIMST designates reserves the right to cancel this request for EoI and/or invite afresh with or without amendments, without liability or any obligation for such request for EoI and without assigning any reason. Information provided at this stage is indicative and SCTIMST reserves the right to amend/add further details in the EOI.

2. LETTER OF INVITATION

**Sree Chitra Tirunal Institute for Medical Sciences and Technology
(SCTIMST) Trivandrum
Department of Science and Technology, Govt. of India
Thiruvananthapuram - 695 011, Kerala, India**

No. DCE/CS/SCTIMST/2018

Dated:20.11.2018

Dear Sir/Madam,

Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) invites sealed Expression of Interest (EOI) from Indian consulting agencies for undertaking consultancy for planning of facilities and procurement of medical equipment for the proposed 170 bedded Swasthya Suraksha Hospital Block.

The EOI Document containing the details of qualification criteria, submission requirement, brief objective & scope of work and method of evaluation etc. is enclosed.

The EOI Document is also available on the SCTIMST website www.sctimst.ac.in

You may submit your responses in sealed envelopes in prescribed format to the undersigned latest by 11.12.2018.

DIRECTOR

**Sree Chitra Tirunal Institute for Medical Sciences and Technology
(SCTIMST) Trivandrum
Department of Science and Technology, Govt. of India
Thiruvananthapuram - 695 011, Kerala, India**

Queries if any may be referred in writing to the HOD DCE, at the above mentioned address or Telephone No. 0471 2524311 or at E-mail: manojgs@sctimst.ac.in

S. No.	Critical Dates	Date	Time
1.	Publishing Date	20.11.2018	
2.	Document Download Start Date	20.11.2018	12.00 hrs
3.	Document Download End Date	11.12.2018	12.00 hrs
4.	Bid Submission Start Date	26.11.2018	10.00 hrs
5.	Bid Submission End Date	11.12.2018	14.00 hrs
6.	Bid Opening Date	11.12.2018	15.00 hrs

Yours faithfully,

Director
SCTIMST

Encl.: EOI Document.

3. SCOPE

The scope of consultancy includes planning of space, preparation of preliminary and working interior architectural drawings for each facilities and planning of equipment. It also includes the planning and evaluation of services (electrical power, air conditioning, water supply, drainage, medical gases, vacuum etc...) prepared by CPWD for the required facilities and equipment. The detailed layout of facilities like Modular OT's, X-ray facility, Cath lab, MRI, CT, ICU(main and step down), Pneumatic Chute, wards, OPD, Specialty Labs, CSSR, dietary, laundry, medical equipment and furniture need to be prepared for the proposed hospital block. Layout for managing patient, men and material movement etc. must be prepared in view of hospital infection control. Liaison work with all stake holders including SCTIMST, CPWD and any other agencies including necessary onsite corrections according to the site conditions and supervision needed at different stages of execution also involved in the scope of this work.

4.0 Objectives:

A layout shall be prepared based on the building drawing submitted by CPWD. Consultant/ Firm will recommend modifications in the tentative list of medical equipment and facilities, based on the observations along with the estimated cost of all items. Consultant/ firm shall prepare detailed technical specifications for all equipment/ facilities, draft tender document, get the draft tender approved by SCTIMST, evaluate the proposals and submit recommendations for placement of purchase order on selected suppliers. The Consultant/ firm shall also be responsible for co-ordination between SCTIMST, CPWD and suppliers to ensure smooth delivery of equipment to SCTIMST and setting up of facilities.

5.0 EOI Processing Fees

A non-refundable processing fee for Rs. 5,000/- (Five Thousand Rupees only) in the form of a Demand draft or a Pay Order drawn in favour of "DIRECTOR, SCTIMST" Payable at Thiruvananthapuram has to be submitted along with the EOI response. Bids received without or with inadequate EOI processing fees shall be liable to get rejected.

6.0 Venue & Deadline for submission of proposal

Proposal, in its complete form in all respects as specified in the EOI, must be submitted to SCTIMST at the address specified herein earlier. In exceptional circumstances and at its discretion, SCTIMST may extend the deadline for submission of proposals by issuing an amendment to be made available on the SCTIMST website, in which case all rights and obligations of SCTIMST and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

7.0 Validity of Offer:

The offer for EOI as per this document shall be valid for a period of three (3) months initially which may be extended further if required by SCTIMST.

8.0 TERMS OF REFERENCE

The detailed terms of reference are enclosed at **Annexure-I**.

9.0 INSTRUCTIONS TO CONSULTANTS

9.1 The Expression of Interest is to be submitted in the manner prescribed below:-

All information as detailed below is to be submitted in two hard copies in separately sealed envelopes and one soft copy in CD:-

- a) Applicant's Expression of Interest as per Format-1.
- b) Organizational Contact Details as per Format-2.
- c) Experience of the organization as per Format-3.
- d) List of experts/ consultants on payroll as per Format-4.
- e) Financial strength of the company as per Format-5.
- f) Additional information as per Format-6.
- g) Declaration as per Format-7.
- h) Power of Attorney in favour of Authorized Signatory with long and short signatures of Authorized person.
- i) Consultancy organization must have its office in Kerala, Preferably in Thiruvananthapuram.

9.2 EOI Documents have been hosted on the website www.sctimst.ac.in and may be downloaded from the website.

The bidders are expected to examine all instructions, forms, terms and other details in the EOI document carefully. Failure to furnish complete information as mentioned in the EOI document or submission of a proposal not substantially responsive to the EOI documents in every respect will be at the Bidder's risk and may result in rejection of the proposal.

10. Qualification Criteria:

Following will be the minimum pre-qualification criteria. Each eligible consultant should possess all the following pre-qualification criteria. Responses not meeting the minimum pre-qualification criteria will be rejected and will not be evaluated.

Sl.No.	Pre-qualification Criteria	Supporting Compliance document
1.	The applicant shall be a firm/ company/ partnership/ proprietorship firm registered under the Indian Companies Act, 1956/ the partnership Act, 1932 and who have their registered offices in India.	Copy of Certificate of incorporation and Partnership Deed, if any
2.	The firm should be in the business of providing similar consultancy services for at least 3 years as on 31.10.2018 and with minimum one completed/ongoing similar consultancy work in Kerala.	Certificate by Company Secretary of the Bidder's organization
3.	The Bidder has to be profitable and should not have incurred loss in any of the last 3 consecutive Financial Years (FY 2015-16, 2016-17 & 2017-18)	Format-5 to be certified & validated by Chartered Accountant (CA) of the bidder's organization
4.	The Bidder should have an annual turnover of Rupees 1 core in each of the last 3 consecutive Financial Years (FY 2015-16, 2016-17 & 2017-18) from only consultancy Services rendered in India	CA certified document with name of CA registration number, signature and stamp
5.	The Bidder shall have experience of providing: (i). Three similar completed services costing not less than Rs. 50 lakhs each or (ii). Two similar completed services costing not less than Rs.75 Lakh each or (iii). One similar completed services costing not less than Rs. 100 Lakh	Copy of Work Order / Contract
6.	The consultancy firm should have at least 03 full time consultants with minimum 3 years experience in relevant field on its pay rolls	Certificate by Statutory Auditor or Company Secretary of the Bidder's organization
7.	The firm should not be blacklisted by any Central Govt. / State Govt. / PSU/Govt. Bodies	Certificate signed by the Authorized signatory
8.	PAN No. / Service Tax Registration Certificate	Copy of Certificate to be enclosed.
9.	Preference will be given to agency/organization having prior experience in Review/Appraisal of Centrally Sponsored Scheme for any Central / State Govt. / Govt. Autonomous Bodies.	

11.0 Evaluation Criteria and Method of Evaluation:

- a. Screening of EOIs shall be carried out as per eligibility conditions mentioned in this document and based on verification of testimonials submitted.
- b. EOI will be evaluated for short listing inter alia based on their past experience of handling similar type of project, strength of their man power, financial strength of firm and presentation / proposal to the selection committee whose decision will be final.
- c. Agencies who qualify as per the eligibility conditions will be provided a brief about the SCTIMST requirements. The agencies may be required to make a presentation / proposal, if required, to a selection committee show-casing their proposals.
- d. SCTIMST will take up references and reserves the right to pay due heed to the Bidder's performance elsewhere and any past experience from SCTIMST.
- e. **Short listed agencies only** will be issued Bid Documents and asked to submit their price proposal in a sealed envelope.

12.0 Response:

- 12.1** Bidders must ensure that their Bid response is submitted as per the formats attached with this document. Special comments on the objectives and scope of the service projected in the enquiry may also be submitted along with the offer.
- 12.2** Application in sealed cover super scribed, as "EOI for undertaking consultancy for planning of facilities and procurement of medical equipment for SCTIMST".

13.0 Conflict of Interest:

- 13.1** Where there is any indication that a conflict of interest exists or may arise, it shall be the responsibility of the Bidder to inform SCTIMST, detailing the conflict in writing as an attachment to this Bid.
- 13.2** SCTIMST will be the final arbiter in cases of potential conflicts of interest. Failure to notify SCTIMST of any potential conflict of interest will invalidate any verbal or written agreement.
- 13.3** A Conflict of Interest is where a person who is involved in the procurement has or may be perceived to have a personal interest in ensuring that a particular Bidder is successful. Actual and potential conflicts of interest must be declared by a person involved in a Bid process.

14.0 Condition under which EOI is issued:

The EOI is not an offer and is issued with no commitment. SCTIMST reserves the right to withdraw EOI and or vary any part thereof at any stage. SCTIMST further reserves the right to disqualify any bidder, should it be so necessary at any stage.

15.0 Last date of submission of EOI:

The last date of submission of EOI is 11.12.2018 (1400 hrs.).
Bid Opening Date & Time is 11.12.2018 (1500 hrs.)

16.0 FORMATS FOR SUBMISSION:

FORMAT – 1

APPLICANT'S EXPRESSION OF INTEREST

To,

Director,
SCTIMST,
Thiruvananthapuram - 695 011, Kerala, India

Sub: Submission of EOI to undertake consultancy for planning of facilities and procurement of medical equipment for the proposed 170 bedded Swasthya Suraksha Hospital Block **of SCTIMST.**

Dear

In response to the Invitation for Expressions of Interest (EOI) published on 19.11.2018 for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we attach 2 sets of the following documents in separately sealed envelopes and one soft copy:

1. Organizational Details (Format-2)
2. Experience in related fields (Format-3)
3. List of experts / consultants on payroll at least 3 (Format-4)
4. Financial strength of the organization (Format-5)
5. Additional information (Format-6)
6. Declaration (Format-7)

Sincerely Yours,
Signature of the applicant
[Full name of applicant]
Stamp.....
Date:

Encl.: As above.

Note: **This is to be furnished on the letter head of the organization.**

FORMAT – 2

S. No	Organizational Contact Details	
1.	Name of Organization	
2.	Main areas of business	
3.	Type of Organization Firm/ Company/ partnership firm registered under the Indian Companies Act, 1956/ the partnership Act, 1932	
4.	Whether the firm has been blacklisted by any Central Govt. / State Govt./PSU/ Govt. Bodies / Autonomous? If yes, details thereof.	
5.	Address of registered office with telephone no. & fax	
6.	Address of offices in i) Kerala ii) All other State/UT's	
7.	Contact Person with telephone no. & e-mail ID	

Enclose:-

1. Copy of Certificate of Incorporation.
2. Copy of Article of Association in respect of 3 above.
3. Undertaking in respect of 4 above.

Signature of the applicant

Full name of the applicant

Stamp & Date

FORMAT – 3

Experience in Related Fields				
Overview of the past experience of the Organization in all aspects related to this specific consultancy work of SCTIMST				
S. No	Items	Number of Assignments during last 5 years	Order Value of Each assignment in Lakhs of Rs. (Enclose copy Of each order)	Mention the Name of Client/ Organization (Enclosed completion Certificates)
1.1	Total Experience of Assignments of similar nature			
1.2	Experience in carrying out similar assignments in Government			
1.3	Experience in carrying out Similar assignments in Kerala.			

Decision of Evaluating Committee in ascertaining “similar nature” and “similar assignment” will be final.

Signature of the applicant
Full name of applicant
Stamp & Date

FORMAT – 4

List of experts/consultants on payroll (at least 3)				
Sl. No.	Name and Designation	Qualification and Duration of the work experience with the company	Details of the current responsibilities	Summary of Experience in Hospital Project
1.				
2.				
3.				
4.				
5.				
6.				

Signature of the applicant

Full name of applicant

Stamp & Date

FORMAT – 5

Financial Strength of the Organization					
S. No	Financial Year	Whether profitable Yes/NO	Annual net profit (in Crores of Rs.)	Overall annual turnover (in Crores of Rs.)	Annual turnover from only Consultancy services rendered in India (in Crores of Rs.)
1	2015-16				
2	2016-17				
3	2017-18				

Note: Please enclose auditor's certificate in support of your claim.

Signature of the applicant

Full name of applicant

Stamp & Date

FORMAT – 6

Additional Information		
1. List all enclosures related to the previous sections.		
S.NO	Description	No. of pages
2. Additional information to support the eligibility as per Section 7 (Not more than 2 pages).		
Signature of the applicant Full name of applicant Stamp & Date		

FORMAT -7

Declaration

We hereby confirm that we are interested in competing for the consultancy for planning of facilities and procurement of medical equipment for the proposed 170 bedded Swasthya Suraksha Hospital Block **of SCTIMST.**

All the information provided herewith is genuine and accurate.

Authorized Person's Signature.

Name and Designation:

Date of Signature:

Note: The declaration is to be furnished on the letter head of the organization.

CONSULTANCY FOR PLANNING OF FACILITIES AND PROCUREMENT OF MEDICAL EQUIPMENT FOR THE PROPOSED 170 BEDDED SWASTHYA SURAKSHA HOSPITAL BLOCK IN SCTIMST

TERMS OF REFERENCE

BACKGROUND

Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) is an Institute of National Importance under the Department of Science and Technology, Govt. of India. The joint culture of medicine and technology pioneered by its founders more than three decades ago, has come of age and gained unprecedented acceptance in India. The institute has the status of a university and offers excellent research and training facilities. It has three wings: a tertiary referral super specialty hospital, a biomedical technology wing and the Achutha Menon Centre for Health Science Studies.

The hospital has 253 beds and serves as tertiary referral center for cardio-vascular, thoracic and neurologic diseases. With a number of highly qualified personnel including doctors, nurses and other para-medical staff, various departments of the hospital have updated state-of-the-art facilities for diagnosis and treatment with highly advanced and sophisticated equipments. The lack of infrastructure and medical/surgical facilities has resulted in very long waiting periods for various surgical procedures. The old block of the hospital building was built 30-40 years ago and no up gradation has been done on its theaters, ICUs, wards and other infrastructure facilities. This absolute necessity brought the idea of augmentation of the Hospital wing by building a new hospital block and procuring essential hospital equipment. This will add 170 beds for super specialty treatment to the existing strength of 253. This new super specialty services in the cardiac and neurosciences will have new operation theatres (7 nos), cath labs (3nos), ICUs (80 beds), Wards (50 beds) ,and pay ward (40 beds), Medical Gas Delivery System (Including manifold, Liquid Oxygen, Concentrator etc.), Dietary, laundry, CSSR etc. along with other state-of-the-art facilities and equipment worth approximately 79 cores INR.

SCOPE

The scope of consultancy includes planning of space, preparation of preliminary and working interior architectural drawings for each facilities and planning of equipment. It also includes the planning and evaluation of services (electrical power, air conditioning, water supply, drainage, medical gases, vacuum etc...) prepared by CPWD for the required facilities and equipment. The detailed layout of facilities like Modular OT's, X-ray facility, Cathlab, MRI, CT, ICU(main and step down), Pneumatic Chute, wards, OPD, Specialty Labs, CSSR, dietary, laundry, medical equipment and furniture need to be prepared for the proposed hospital block. Layout for managing patient, men and material movement etc. must be prepared in view of hospital infection control. Liaison work with all stake holders including SCTIMST, CPWD and any other agencies including necessary onsite corrections according to the site conditions and supervision needed at different stages of execution also involved in the scope of this work.

The scope includes the above and shall include all other jobs to be under taken to fulfill the objectives as described below.

1.0 Objective

- A layout shall be prepared based on the building drawing submitted by CPWD.
- After selection, the Consultant/ Firm shall visit the hospital and will recommend modifications in the tentative list of medical equipment and facilities, based on the observations made during the visit, along with the estimated cost of all items.
- After finalization of the list of medical equipment/ facilities by SCTIMST, the Consultant/ firm shall prepare detailed technical specifications for all equipment/ facilities, draft tender document, get the draft tender approved by SCTIMST, evaluate the proposals and submit recommendations for placement of purchase order on selected suppliers.
- The Consultant/ firm shall also be responsible for co-ordination between SCTIMST, CPWD and suppliers to ensure smooth delivery of equipment to SCTIMST and setting up of facilities. The Consultant/ firm should have proven experience of providing Consultancy services for supply of medical equipment as stipulated in eligibility requirements.

The brief description of work is as follows:

1.1 Planning of Facilities and Equipment:

- i. Undertake a visit of SCTIMST and assess the suitability of the proposed list of medical equipment/ facilities is in line with the requirement of the Hospital and ensure the availability of necessary infrastructure such as space, power supply, air-conditioning, medical gases etc...
- ii. Review SCTIMST's requirements and tentative specifications, and evolve suitable strategy providing various options for procurement for SCTIMST's confirmation.
- iii. Enlist the Medical Equipment/ facilities requirements (both major & minor).
- iv. Submit estimated expenditure in detail for all facilities/medical equipment in scope.
- v. Provide technical assistance for planning requirements like space utilization, provision for placing the equipment, equipment movement and installation requirements in design, services connections etc.

1.2 Procurement of Medical Equipment:

- i. Work out the procurement schedule in line with Project schedule and requirements to enable SCTIMST understand the timelines by which the orders need finally be placed.
- ii. Pre-qualification of vendors.
- iii. Provide detailed specification of all medical equipment as per the best practices in the industry in a form suitable for competitive tendering which shall be approved by SCTIMST. Ensure installation requirements , warranty details, receipt of all documents, manuals, software, licenses etc. from the vendors as stipulated as required for proper operation, functioning and maintenance of the equipment in SCTIMST
- iv. Preparing draft tender Document based on the approval of SCTIMST.

- v. Preparing estimates for each tender containing benchmark figures.
- vi. Assisting SCTIMST in pre-bid conferences and technical negotiations if required, to provide appropriate information to prospective tenderer(s).
- vii. Holding short enquiry/tender openings if requested, assisting in reviewing Short enquiry/tenders for conformity with the Project requirements.
- viii. Preparing addendum/corrigendum in consultation with SCTIMST for Short enquiry/tender packages to advise bidders regarding information that was not originally included in the Technical Specifications, as necessary to enable them to prepare and submit Short enquiry/tenders and enter into contracts.
- ix. Evaluating the technical bid and compliance statement. The scope involves scrutiny of all the documents submitted by bidders and preparing the comparative tabulation sheet. Preparing the clarifications to be sought from each bidder and recommending the reasons for selection and rejection of bidders.
- x. Provide and update Technical comparative(s) during negotiation process and submit recommendations clearly highlighting the pros and cons and the reasons for selection of any specific vendor, equipment or technology including the total cost for each offer.
- xi. Supplementing and interpreting the submittals of Vendors to assist SCTIMST in negotiations with Bidder(s);
- xii. Preparation and submission of draft Purchase Order (PO)/Letter of Intent (LOI) to SCTIMST. The draft PO/LOI should be self-contained and contain all the critical parameters of the order.
- xiii. Scrutinize various claims submitted by the suppliers and submits recommendations to SCTIMST.
- xiv. Submit recommendation to SCTIMST regarding grant of Extension of Time (EOT) to suppliers if required.

1.3 Supervision during execution/installation

- i. The Consultant shall co-ordinate between SCTIMST authorities, CPWD and Supplier(s) during the execution of work/ installation and should provide necessary technical assistance and corrections according to the actual site conditions.
- ii. Coordinate with SCTIMST for expeditious Custom Clearance of the supplied medical equipment in Thiruvananthapuram;
- iii. Oversee the installation of the tendered equipment to culminate in certification that equipment is commissioned satisfactorily;
- iv. Provide and ensure conformance to the specification mentioned in tender documents while the equipment is brought and installed at site;
- v. Establish procedures for checking compliance with design and specification, monitor standard of workmanship, construction method and right sequence in accordance with the procedure laid-down and adequacy of materials;

- vi. Ensure that the construction and installation are as per the design intent;
- vii. Provide experienced personnel to oversee installation & commissioning of the Medical Equipment and shall ensure that these personnel are available until satisfactory completion of the performance guarantee tests as per agreed parameters/ Quality Assurance Plan;
- viii. Scrutinize various claims submitted by the suppliers and submits recommendations to SCTIMST.
- ix. Submit recommendation to SCTIMST regarding grant of Extension of Time (EOT) to suppliers.

2.0 Deliverables

2.1 Detailed Project Report

- i. Based on the findings during the visit to SCTIMST, the Consultant / firm shall suggest amendments in the proposed list of medical equipments and architectural plan prepared by CPWD. While suggesting the amendments, the Consultant/firm shall take into account the infrastructure availability in the hospital, maintainability of the medical equipment, etc. However, the decision of SCTIMST shall be final in this regard.
- ii. The Consultant/ firm shall be prepared to undertake the visit within 10 days from the date of signing of the Agreement and shall submit Detailed Project Report within 15 days from the date of his return from the above said visit.
- iii. The time frame for the work as per the description should be prepared and submitted along with the DPR. Monthly report on the progress and action taken to compensate any delay from the time frame should be submitted.
- iv. Suggestions in architectural plan and finalized list of equipment to be procured shall form the part of report. After finalizing the architectural plan the consultant shall submit a comprehensive report containing the deliverables for the entire scope of the project.

2.2 Drawings

- i. Submission of Detailed and Working drawings of the services like waste disposal, CSSR, personnel and material movement & furniture along with space planning, infrastructure planning and services planning for modular OT's, X-ray, Cathlab, MRI, CT, ICU(main and step down), wards, OPD, Specialty Labs, CSSR, dietary, laundry & medical equipment, for the proposed new hospital block.
- ii. Submission of medical services equipment plan including space planning (Special services like - OT, Gas Manifold, Medical Equipment, medical waste handling treatment and disposal, medical gases supply and distribution- air, Oxygen, Nitrogen, Vacuum, CSSD, Dietary, Laundry, solid waste management).
- iii. Drawings shall be submitted in proper scale and hard copy shall be submitted in A2 sheets floor wise. Wherever applicable as per the requirement of SCTIMST, separate layout shall be prepared for individual rooms like modular OT, cathlab etc... and these shall be submitted in A3 sheets. All final drawings shall be submitted in 5 copies along with Autocad version.

2.3 Tendering

- i. The Consultant will assist SCTIMST in calling tender(s) for procurement of the medical equipment finalized by SCTIMST. Consultant shall prepare tender document, get it vetted by SCTIMST, and arrange to publish Notice Inviting Tender (NIT) in newspaper through SCTIMST, assist SCTIMST in evaluation of Technical and Financial bids. However, approval of SCTIMST / designated official of SCTIMST shall be obtained at every stage of tendering. The Consultant will have to submit draft tender document (for approval of SCTIMST) within 21 days from the date of approval of the Detailed Project Report by SCTIMST. The specifications of the medical equipment proposed in the draft tender document should be generic in nature.

2.4 Reports

- i. The Consultant will submit monthly progress report to designated official(s) nominated by SCTIMST. The designated officer so nominated will also act as the counterpart to provide the necessary support to the Consultant. SCTIMST will have the right to depute its representative to ascertain the progress of work at site.

2.5 Technical details during execution/installation

- i. The Consultant shall co-ordinate between SCTIMST authorities, CPWD and Supplier(s) during the execution of work/ installation and should provide necessary technical details and corrected drawings according to the actual site conditions.
- ii. The Consultant will examine the documents submitted by various suppliers for seeking Dispatch Clearance Certificate (DCC). Draft DCC would then be submitted to SCTIMST for issuing it to the bidder.
- iii. Ensure receipt of all documents, manuals, software, licenses from the vendors as stipulated in the tender scopes and hand over the same to the authorities designated by SCTIMST.
- iv. Ensure that the construction and installation are as per the design intent and issue certificates of Installation, final testing & commissioning of the facilities/ equipment to SCTIMST.

LIST OF FACILITIES AND EQUIPMENT

Sl. No	Items	Quantity
1	1 CT scan:128 slice CT scanner with neuro and cardiac applications	1
2	Top of the line Biplane DSA system	1
3	Single plane cath lab& Hemodynamic recorder	1
4	Hybrid single plane cath lab with CT	1
5	Operating Microscopes for Neurosurgery	2
6	PACS system	1
7	Pressure Injector for Angiography	1
8	Radiation Safety Gear	35
9	Cath lab Surgical Equipments	1
10	Cath lab OT/Examination light for ICU also	6
11	Central Digital X- ray unit	1
12	Stepdown ICU beds with remote	50
13	ICU beds with remote	80
14	Low end Multiparameter Monitors for medical & stepdown ICUs, Induction rooms	90
15	High end Multiparameter Monitors with Addl Pressure, Temp modules	45
16	High end Anesth Multiparameter Monitors with BIS, CO	10
17	Central Monitor Inform System	14
18	ICU Ventilators:Adult&Pediatic	77
19	Portable Ventilators	7
21	Defibrillators with 4 sets of Internal paddles total	25
22	Syringe pumps	360
23	Patient Warming Unit	47
24	Temporary Dual Chamber Pacemakers	27
25	High End Echo machines	6
26	Low End Echo machines	5
27	Transcranial Sonography Unit	1
28	Ultrasound and Doppler machine	1
29	Intra Vascular Ultrasound NIRS	1
30	Portable Ultrasound machines for Vascular cannulations & Nerve blocks	3
31	Laryngoscope sets	45
32	TMT machine	1
33	CR Portable X-ray machine	6
34	CR Central digitiser reader with Cassettes	2
35	Holter monitor with 10 recorders	1
36	ECG Recorders	4
37	Hemofiltration-Dialysis machine RRO	1

38	Baby Warmer beds	5
----	------------------	---

39	OT tables	7
40	OT lights	7
41	OT Induction room tables	2
42	CPB Machines	4
43	Hemotherm	4
44	Neurosurgical Endoscopic unit	1
46	Cranial Fixation clamps	3
47	Suction Apparatus	7
48	Headlights	4
49	Cautery	7
50	Sternal Saw with 2 addl Redo Saw head	4
51	Surgical Instruments	8 sets
52	IABP machines	2
53	High end Anesthesia workstations	10
54	Low end Anesthesia workstations	2
55	Fiberoptic Intubating bronchoscope-Adult	2
56	Fiberoptic Intubating bronchoscope-Pediatric	1
57	Video Laryngoscopes	2
58	PCA pump	3
59	TCI pump	3
60	Plasma Exchange machine	1
61	EEG machine: 1 Portable	2
62	EMG machine	1
63	Dedicated EMG unit for botulinum injections	1
64	Gait analysis equipments	1
65	DBS planning Programming Software with 3D atlas and computers	1
66	Microdrive Targeting System for DBS	1
67	Video EEG 32 channels	4
68	Surgical Aspirator (CUSA)	2
69	C-arm	1
70	Spinal Operating room microsurgical instrument set	1
71	Image Guidance	1
72	Fluid & Blood Warmers	10
73	Intra operative Neuromonitoring	1
74	Chest Vibrators (2 Neonatal)	10
75	High Flow Oxygen system	2
76	Portable Vein viewer	4
77	Electrosurgical Return Pads	4
78	Functional Electrical Stimulator 8 channel	1
79	Functional Electrical Stimulator portable	5
80	Peripheral Nerve Stimulator	4

81	Patient Hoist system	2
82	Ophthalmoscope	10
83	Digital BP Apparatus	25
84	Medical Gas lines includes	1
	Isolation Valves for Room (106nos)	
	Isolation Valves From Main Riser (40 nos)	
	Medical Outlets(Oxygen, Air, Vacuum, Nitrous oxide (976 nos))	
	Liquid Oxygen Plant	
	Oxygen Concentrator	
	Cylinder Manifold	
	Duplex/Triplex Air Compressor System (2set)	
	Duplex/Triplex Vacuum Pumps System (2set)	
	Central Pipe lining	
85	Central Sterile Supply Department (CSSD) Equipments includes	1
	1. Steam sterilizer, Vacuumatic, 700ltrs capacity, 50kW, double door:	
	2. Steam sterilizer, Vacuumatic, 400ltrs capacity, 30kW, double door:	
	3. Plasma sterilizer, 200ltrs, double door, 3kW:	
	4. Ethylene Oxide Sterilizer, 200ltrs, Single door, 3kW:	
	5. Washer Disinfector 300ltrs, 10DIN, 15kW:	
	6. Ultrasonic washer, 30ltrs, 2kW:	
	7. Washing scrub	
	8. RO water system, 500ltrs/ hr, 4kW:	
	9. Instrument drier, 9shelves, 3.5kW	
	10. Labeling machine, 200w	
	11. Air guns with centralized connection	
	12. Hot water facility, 100l, 5kW / solar	
	13. Continuous band sealer, 1kW	
	14. Incubator, 50ltrs, 500w	
	15. Trays, Trolleys, tables, cupboards chairs	

86	Modular OTs	7
----	--------------------	---

	LED Operation theatre Lights with Light intensity should be minimum 1,30,000 lux at 1 meter distance for each dome and Colour temperature 4000 - 6000 K (Triple combination for Cardiac and Double combination with camera and recording for Neuro)	
	Includes Wall, Ceiling and floor paneling,	
	AC filter modules	
	Pendants	
	Clock and counters	
	Displays	
	Doors and common corridors	
	Scrub systems	
87	Laundry Equipments includes	1
	1. Washer Extractor, 120Kg, 20kW	
	2. Washing machine, 50kg, 25kW	
	3. Sluice Machine, 25Kg,	
	4. Extractor, 25kg, 4kW	
	5. Drying tumbler, 50Kg, 50kW	
	6. Flat work Ironer, 1200mm, single cylinder, 10kW	
	7. Flat bed press, 750X1500mm, 10kW	
	8. Ironing box, 2000w	
	9. Trolleys, Ironing aid/ table, tables, chairs	
88	Dietary Equipments	1
	1. Bulk cooker, 160L, Steam/ gas/ electricity:	
	2. Frying pan, 1mtr dia, Steam/ gas/ electricity:	
	3. Hot plate, 1sq.m Steam/ gas/ electricity:	
	4. Dish washer, 100 plates, 3kW	
	5. Walk in cold room, 10000Btu/hr,3.5kW	
	6. Refrigerator, 300ltrs	
	7. Grinder, 7-8 ltrs, 3kW	
	8. Mixer grinder, 3jar, 700w	
	9. Coconut scraper	
	10. Granite top table, 1000X600	
	11. Weighing balance, 10kg,	
	12. Floor cleaner, 20L, Wet&Dry, , 2kW	
	13. Induction cooker, 2kW	
	14. Water heater, 50L, 3kW/ Solar, 200L	
	15. Idli Steamer, 500nos capacity	
	16. Food trolley	
	17. Trolleys, Tables, Chairs	
89	Chute system	1
90	MRI + OT equipments compatible	1
91	Robotic Neurosurgery unit	1
92	System Design and Development process(SDDP)	1

Floor wise details of important facilities

Basement		
Total Area	2783.55	m²
Dietary	200	m ²
CSSR	140	m ²
Laundry	216	m ²
Main Store	100	m ²
Changing Rooms	270	m ²
Staff Room	50	m ²
Offices	116	m ²
Ground Floor		
Total Area	2536	m²
OPD rooms	19	No's
CT scan-1 No	32	m ²
X ray	35	m ²
Pharmacy	11	m ²
Emergency Room	42	m ²
MRD	19	m ²
Blood Sampling	23	m ²
Private Consulting	21	m ²
First Floor		
Total Area	2539	m²
Cardiac Surgery, Radiology & Anaesthesia OPD	22	No's
Emergency ward	3	Bed
Procedure Room	13	m ²
TMT, ECG, Holter, Echo	22	m ²
Administrative Room	105	m ²
Second Floor		
Total Area	2497	m²
Radiology Cathlab	45	m ²
Radiology ICU-5 bed	51	m ²
Cardiology cathlab	32	m ²
Equipment room	21	m ²
Doctor's Lounge	26	m ²
Paediatric cardiology ICU-8 bed	144	m ²
Cardiology ICU -7 bed	136	m ²
Duty Doctor room	25	m ²
Duty nurse	9	m ²

Third Floor

Total Area	2497	m ²
Movement and stroke step down ward	142	m ²
Epilepsy post operative stepdown	145	m ²
Neurology ICU-1-10 beds	143	m ²
Neurology ICU-2-10 beds	140	m ²

Fourth Floor		
Total Area	2497	m ²
Neonatal OT	35.7	m ²
MRI Operation theater	45.22	m ²
Hybrid Cathlab	58	m ²
Step Dow CS ward	91	m ²
Neonatal Ward	72	m ²
Neurosurgery Step Dwon ward	136	m ²

Fifth Floor		
Total Area	2497	m ²
Operation Theater-3	33	m ²
Operation Theater-1	41	m ²
Operation Theater-2	48	m ²
Neuro Surgery ICU male-10 beds	153	m ²
Neuro Surgery ICU female-10 beds	129	m ²

Sixth Floor		
Total Area	2497	m ²
Operation Theater-3	35	m ²
Operation Theater-1	45	m ²
Operation Theater-2	44	m ²
Cardiac Surgery ICU male-10 beds	159	m ²
Cardiac Surgery ICU female-10 beds	121	m ²

Seventh Floor		
Pay wards-38 rooms	2497	m ²