

SHRI SAIBABA SANSTHAN TRUST, SHIRDI

POST : SHIRDI – 423 109

TAL : RAHATA, DIST : AHMEDNAGAR (MS)

TELEPHONE NOS. (02423) 258671 / 676

FAX NO. (02423) 258660

E-mail : saibaba.hospital@sai.org.in

hospital.store@sai.org.in

Website : <http://www.shrisaibabasansthan.org>

Link to Website : mahatenders.gov.in

PRICE Rs.25.000/-

E-TENDER DOCUMENT

B

PURCHASE OF 128 SLICE C.T.SCAN MACHINE AGAINST

BUYBACK OF OLD C.T.SCAN MACHINE

(Make - Siemens, Model – Somatom Sensation FOR

SHRI SAIBABA HOSPITAL, SHIRDI.

Dates for Submission Of Tenders:

03/02/2018 FROM 10 A.M. TO 16/02/2018, 5 P.M.

NAME OF TENDERER:

ADDRESS:

SHRI SAIBABA SANSTHAN TRUST, SHIRDI

Interested eligible Tenderers may obtain further information of technical specifications, required quantities and other terms and conditions applicable for procurement of enclosed items from the e-tendering Website: <http://www.mahatenders.gov.in>

E-TENDER SCHEDULE

All bid related activities (Process) like Tender Document Download, Bid Preparation and Hash submission, bid submission and submission of EMD and other documents will be governed by the time schedule given under Key Dates below:

Publish Date :	03/02/2018
Document Download & Sale Date :	03/02/2018
Pre Bid Meeting Date : Venue - Saibaba Hospital 10.00Am	05/02/2018
Bid Submission Start Date (Online) :	07/02/2018
Closing of Bid Submission (Online) :	16/02/2018
Date of Opening of Technical Bid (Online) :	17/02/2018
Address for communication :	Chief Executive Officer, Shri Saibaba Sansthan Trust's Shri Saibaba Hospital, Shirdi - 423 109. Tal - Rahata, Dist - Ahmednagar. Phone No. 02423 - 258671-676

1. If you wish to give discount for a Charitable Trust it should be incorporated in total price. But 'Nil' Tenders shall not be accepted. (i.e. Price Quoted as Zero.)
2. No Need to Submit or provide hard copy of any documents, the technical evaluation will be done only on the basis of uploaded document.
3. You have to deposit the amount of EMD & Tender form fee directly to the following account number of Sansthan. (Corporation Bank, Shirdi Saving Account No.-146400101000001, IFSC Code - CORP0001464) in the name of Chief Executive Officer, Shri Saibaba Sansthan Trust, Shirdi.
4. The tenders shall be rejected summarily upon failure to follow procedure prescribed in the Tender document. The conditional tender is liable to be rejection.
5. Online Commercial bid shall be opened as per e-tendering procedure after opening of Online Technical Bid only if contents of Technical Bid to be in accordance with the tender conditions stipulated in the tender document. Likely date and time of price bid opening will be intimated to you electronically by the purchaser separately to the eligible tenderers.
6. Shri Saibaba Sansthan Trust, Shirdi reserves the right to increase or decrease the quantity to be purchased and also reserves the right to cancel or revise the tenders or part of tenders at any stage without giving any reasons thereto.

**CHIEF EXECUTIVE OFFICER,
SHRI SAIBABA SANSTHAN TRUST, SHIRDI.**

Check List

The following copies of original documents should be scanned & upload online.

Sr.No.	Documents to be Submitted	Page No.
1	Letter from Tenderer about Tender Acceptance (As per Annexure VI)	
2	Information about Tenderer (As per Annexure II)	
3	Scan Copy of UTR number for EMD if possible scan copy of acknowledgement. (As per Annexure VII)	
4	Scan Copy of UTR number for Tender Form Cost if possible scan copy of acknowledgement. (As per Annexure VII)	
5	PAN Card	
6	GST Registration Certificate.	
7	Annual Turn Over for last 3 years duly Certified by CA.	
8	Authorisation Letter of Concerned Company / Manufacturer.	
9	Technical Specification compliance Schedule (As per Annexure VIII)	
10	Self declaration about not being black listed by any Hospital run by Government / Semi Government /Municipal Corporations. (As per Annexure IV)	
11	Company Data Sheet of the Product along with the coloured brochure	
12	Certificate : USFDA / CE Mark of quoted company product as applicable.	

*Annexure "I"***Letter about invitation of Tender**

NO.SSS/WS/SSBH/STORE/(P/S)/
DATE :-

/2018

TO,

**SUBJECT: SUPPLY OF 128 SLICE C.T.SCAN MACHINE AGAINST
BUYBACK OF OLD C.T.SCAN MACHINE (Make-Siemens,
Model - Somatom Sensation) FOR SHRI SAIBABA
HOSPITAL, SHIRDI.**

Dear Sir,

SHRI SAIBABA SANSTHAN TRUST, SHIRDI registered under the BPT Act. 1950 and having its registered office at Shirdi runs Public Charitable 200 bedded Shri Saibaba Superspeciality Hospital & 200 bedded Shri Sainath General Hospital at Shirdi invites sealed Tender from the eligible & qualified manufacturers / distributors, who met the requirement for the supply of above items.

Shri Saibaba Sansthan Trust, Shirdi reserves the rights to reject any or all tenders without assigning any reasons thereof.

Yours Sincerely,

**CHIEF EXECUTIVE OFFICER,
SHRI SAIBABA SANSTHAN TRUST, SHIRDI.**

Annexure "II"
Information about Tenderer

- 1) Name of Tenderer:
- 2) Permanent Address for Correspondence:
- 3) Ph. No. Office / Authorised person :
 Mob. No. :
 Factory :
 Fax No. :
 E-mail :
- 4) Name of Owner / Partner / Director:
 - 1)
 - 2)
 - 3)
- 5) GST No. :
- 6) PAN No. :
- 7) RTGS (Real Time Gross Settlement)
 System or Core Banking A/c No.:

Thanking you.

Yours Sincerely,

Sign -

Name -

Designation -

Annexure "III"

SHRI SAIBABA SANSTHAN TRUST, SHIRDI.

AT. PO. SHIRDI. - 423109

TAL. RAHATA DIST. AHMEDNAGAR (MS)

E-TENDER

**E-TENDER FOR SUPPLY OF 128 SLICE C.T.SCAN MACHINE AGAINST
BUYBACK OF OLD C.T.SCAN MACHINE (Make-Siemens,
Model - Somatom Sensation) FOR SHRI SAIBABA HOSPITAL, SHIRDI**

TERMS AND CONDITIONS

Please read the Terms & Conditions carefully before filling the tender.

01. Introduction :-

1.1 Interested eligible Tenderers may obtain further information of technical specification, required quantities and other terms and conditions applicable for procurement of item from Shri Saibaba Sansthan Trust, Shirdi E-tendering website : <http://www:mahatenders.gov.in>

1.2 All tender related activities (Process) like Tender Document Download, Tender Preparation and Hash submission, Tender submission and submission of EMD and other documents will be governed by the time schedule.

02. Cost of bidding -

The tenderer shall bear all costs associated with the preparation and submission of their online tenders and the Purchaser will in no ease be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

03. At any time prior to the deadline for Sale of tender, the Purchaser may amend the tender documents by issuing Addenda / Corrigendum.

04. To prepare and submit the tender/offer online all bidders are required to have etoken based DIGITAL CERTIFICATE. Digital signature certificate should be obtained from competent authority. However the e tender website or helpline numbers may guide you for obtaining the same.

05. Authorization letter nominating a responsible person of the tenderer to transact the business with the Purchaser.

06. The name of the Manufacturer, details of packing, rate per unit, total cost etc details shall be mentioned in the tender.

07. The tenderer must quote details of size, make, model, etc clearly along with coloured brochure. In absence of these details, tender will not be considered.
08. The rates are to be given F.O.R., **Shri Saibaba Hospital, Shirdi** inclusive of all taxes, transportation etc. No extra amount will be paid for packing, forwarding, transportation etc.
09. We have our own IEC code & you will directly import in our name only.
10. The specifications of the machine to be installed shall not be in anyway of lower specification / configuration as mentioned in the tender otherwise the bid shall be rejected. Approved firm shall install brand new machine within 180 days from the date of signing of the agreement. For delayed installation a penalty of Rs.10,000/- per week shall be levied. If the delay prolongs more than 30 days the order would stand automatically cancelled & security deposit shall stand forfeited.
11. Validity: The quoted rates must be valid for a period of 60 days from the date of receipt of customs duty exemption certificate the same.
12. Equipment should be USFDA and or European CE approved / certified.
13. In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required, without changing any terms, conditions etc. of their original tender.
14. In case of price is in INR, GST, Custom duty and other taxes should be clearly specified in addition to the basic cost while quoting the total cost. In the BOQ the rate of the product should be mention including GST, Custom duty & any other taxes applicable & Transport Loading, downloading.
15. **Delivery and Installation:** The items shall be delivered within the stipulated time as per agreement to be signed. Satisfactory installation / commissioning and handover of the items will be completed within two weeks from the date of receipt of the goods at the SSST, Shirdi premises. The successful tenderer will also provide required training for supplied items at SSST, Shirdi.

All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. If the supplier fails to deliver, install and commission the goods on or before the stipulated date, then a penalty at the rate of 2% per week of the total order value shall be levied subject to maximum of 10% of the total order value. The successful tenderer will also provide required training for supplied items at SSST, Shirdi. The goods should be manufactured with adoption of latest technology.

If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the SSST, Shirdi for extension of the delivery schedule accordingly. On receiving the supplier's communication, the SSST, Shirdi shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

In the case of package supply where the delayed portion of supply materially hampers installation and commissioning of the systems, liquidated damages charges shall be levied as above on the total value of the concerned package of the purchase order. Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.

16. In case of price is in foreign currency & if it is decided during negotiation that payment will be made in foreign currency in that case, Payment will be made by irrevocable Letter of credit in favour of your principal company. Custom duty, clearance charges, other duties / taxes if any it should be clearly mentioned in commercial bid. Delivery will have to be made at Shirdi through Jawaharlala Neharu Port Trust (JNPT) Mumbai for custom clearance purpose Shirdi area is under Nashik Zone.
17. **Custom Clearance:** For the Goods to be imported and supplied, the Institute will provide Custom Duty Exemption Certificate (CDEC) to successful bidder for availing concession.
18. Rate of duty shall be as per prevailing Custom Tariff. In case, the bidder requires CDEC certificate, then the same should be specifically mentioned in the bid. The supplier is solely responsible for getting the material clearance from customs. Institute will provide all custom documents for custom clearance on the demand of supplier. Transportation of goods up to SSST, Shirdi and its successful installation and commissioning is also the responsibility of the supplier. All charges/ expenses incurred in this process will be borne by the supplier. NO DEMURRAGE / WAREHOUSE CHARGES WILL BE PAYABLE BY THE INSTITUTE UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLEARANCE/ FREIGHT/INSURANCE ETC.
19. Authorised dealer should submit latest copy of authorisation letter of the concerned company / manufacturer. If not submitted tender may liable for rejection.
20. Online Technical Bid of the tenderer will be opened in the presence of tender opening authority through e-tendering procedure.
21. There should be no collusive or fraudulent practice involved in the entire tendering process amongst all the tenders received.

22. The tenderer will have to supply material along with **Three** copies of bills one copy of delivery challan, if payment is delayed due to Tax invoice Sansthan will not be responsible for it.
23. Wherever an amount is mentioned in figures the same should be clearly written in words also.
24. No escalations, for any reason will be given / allowed in the quoted prices.
25. Substitute or alternative provisions / quotations are not acceptable.
26. In case of breakage / damage in transit, prior to the delivery & satisfactory installation to the Sansthan supplier will have to replace the same immediately, failing which payment will be stopped until satisfactory replacements.
27. The Tendered Items should be delivered within stipulated period, if supplier fails to deliver, the order will be treated as cancelled and your earnest money deposit/ Security Deposit will be forfeited.
28. **Payment Terms:** Payment for goods supplied from India:
a. 90% payment of the total order value shall be released after the successful installation/ commissioning of the ordered goods against the submission of the inspection report.
b. Balance 10% of the order value shall be released after the submission of the performance security.
29. **Payment for Imported goods:** For imported goods payment shall be made in the following manner:
a) On shipment: 75 % payment of the contract price shall be paid within 60 days after presentation of shipping documents. Goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon the submission of the following documents:
i. Four copies of Supplier's invoice showing contract number, goods description, quantity, and unit price and total amount;
ii. Original and four copies of the clean, on-board Bill of Lading/ Airway bill, marked freight prepaid and four copies of non-negotiable Bill of Lading/ Airway bill.
iii. Insurance Certificate;
iv. Certificate of origin by the chamber of commerce of the concerned country;
v. Certificate of country of origin;
vi. Manufacturer's / Supplier's warranty certificate;
vii. Manufacturer's own factory inspection report.

b) On Acceptance: 15 % payment would be made after satisfactory installation & commissioning on issuance of Inspection certificate by the SSST, Shiridi.

c) Balance 10% will be paid on submission of Performance Bank Guarantee issued by any Nationalised Bank/ Scheduled Bank.

Note:-The supplier shall not claim any interest or any other payment under the contract.

30. No interest will be paid on retention money / security deposit or earnest money deposit.

31. While quoting the rates wherever Optional Accessories or the Contents of the set or UPS / Stabiliser etc. is required the price of such extra items should be incorporated in total amount.

32. While quoting the rates it should be filled in the on line BOQ only.

33. The successful tenderers will have to deposit 5% security deposit of the total value of purchase order at the time of issuing purchase order at no any interest will be paid by Sansthan

34. Incidental Services: The supplier shall be required to perform the following services:-

- a. Installation & Commissioning, Supervision and Demonstration of the goods.
- b. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
- c. On Site training to Doctors/ Technicians/ Staff / Biomedical Engineers is to be provided by Supplier for operation and maintenance of the equipment to the satisfaction of the user department.
- d. Supplying required number of operation & maintenance manual for the goods.
- e. To provide non-locked open software and standard interface inter-operability conditions for networked equipment's in hospital management information system, wherever applicable.

35. Accessories & Consumables: The separate price list of all accessories and consumables, if any, must be attached/ enclosed along with the Financial Bid.

36. After Sales Service: After sales service centre should be available on 24 (hrs.) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 24 hrs to ensure an uptime of minimum 95%, wherever applicable, failing which the necessary penalty measures shall be enforced.

37. Inspection:

- a. The Chief Executive Officer, SSST, Shirdi shall be the final authority to reject full or any part of the supply which is not conforming to the specification and other terms and conditions.
- b. No payment shall be made for rejected Stores. Rejected items must be removed by the Bidders within two weeks from the date of rejection at their own cost and replaced immediately. In case these are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.

38. Documents:

- a. The bidder shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified

by the purchaser in the tender documents. For this purpose the bidder shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the tender documents to establish technical responsiveness of the goods and services offered in its tender duly indicating relevant page numbers in the product literature.

- b. The bidder shall provide a list of major Government and Private Institutions where its relevant bid item has been supplied during last two year.

39. Insurance: - The supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. If the equipment's is not commissioned and handed over to SSST, Shirdi within specified period, the insurance will have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the SSST, Shirdi.

40. Fall Clause: - The tenderer shall give certificate that item is being supplied at lowest rates.

41. T.D.S. will be deducted from your bill as per the Government rule applicable.

42. Average annual turnover of last Three year should be more than 10 Crore.

43. Late submitted tender will not be accepted after due date.

44. Guarantee / Warrantee Period: The Tenderers must quote for 5 years comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 5 years Comprehensive

Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). If post warranty CMC rates are not quoted, they shall be treated as Zero. The price comparison shall be taking into account basic price, post warranty CMC and buyback price if any.

45. **Uptime guarantee:** The firm should provide uptime guarantee of 95%.
46. **Downtime penalty Clause**
- a. During the comprehensive warranty period, the guaranteed uptime of 95% of 365 days will be ensured. In case the down time exceeds the 5% limit, penalty of extension of guaranty period by two days for each additional day of down time will be enforced. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handing over the unit to the Institute. If accessories / other attachment of the system are procured from the third party, then the vendor must produce cost of accessory / other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the Institute if required.
 - b. The principals or their authorized service providers are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee
47. All the above equipments shall be new and manufactured from vergin materials. All the requirements of this supply shall be sourced from the original equipment manufacturer of the model quoted. In case the machine is imported, no import substitution is permitted neither before the award nor after the award for any part or accessory.
48. Any accessory / accessories not mentioned specifically but required to make system working will have to be supplied without any extra cost.
49. Also has to give annual charges for next five years extended comprehensive Maintenance contract with the same term.
50. Equipment mentioned in the Technical specifications shall operate on 230 V, 50 Hz, single phase electric supply.
51. The necessary protective relaying/circuitry shall be there with the machines.
52. The equipment shall have valid CE marking/ FDA approval and documentary evidence to that effect shall be submitted.

53. The equipment shall be having warranty of five years. The warranty and CMC shall cover the batteries and lamps irrespective of whether those are treated as consumables or otherwise.
54. The equipment should be provided with one hard copy in original of the detailed service manual and operation manual. Further, a soft copy is also required.
55. Repairs and maintenance training to two Biomedical Engineers should be given.
56. The equipment must be tropicalized as below:
 - Working temperature: Max. 35° C
 - Storage temperature: Max. 50° C
 - Relative humidity for Working: 40 - 60 %
 - Relative humidity for Storage: Max. 90%
57. The product should be time tested, branded and should be OEM.
58. Shri Saibaba Sansthan Trust, Shirdi reserves the rights to reject any or all tenders at any stage without assigning any reasons thereof.
59. All the suits arising out of the contract shall be instituted in the court of competent jurisdiction situated in Rahata / Kopargaon Court only and not elsewhere.

**CHIEF EXECUTIVE OFFICER,
SHRI SAIBABA SANSTHAN TRUST, SHIRDI.**

Annexure "IV"
Self Declaration

DATE : / /2018

TO,
THE CHIEF EXECUTIVE OFFICER,
SHRI SAIBABA SANSTHAN TRUST, SHIRDI.
AT PO. SHIRDI - 423 109
TAL - RAHATA,
DIST. AHMEDNAGAR.

In response to your E-Tender we are submitting our Tender for supply of 128 Slice C.T. Scan Machine against buyback of old C.T.Scan Machine (Make-Siemens, Model - Somatom Sensation) on your Website. I / We hereby declare that our firm has not been found guilty of malpractice / misconduct / black listed / debarred either by health by Public Health Dept., Govt. of Maharashtra or by any local authority and other State Govt. / Central Govt. Organisation in past three years for the quoted items in the Tender.

Signature & Stamp of Tenderer

Date -

**(Tenderer will have to upload self affidavit on their Letter Head with
Authorise Person signature and stamp.)**

*Annexure "IV"***Annual Turn Over Statement for Three Years**

The Annual Turnover of M/s. for the past three years are given below and certified that the statement is true and correct.

Sr. No.	Year	Turnover Rs. in Lakhs / Crores
1	2014-15	
2	2015-16	
3	2016-17	
	Average of the above Three Years.	

Date:

Seal :

Signature of Auditor/
Chartered Accountant
Name (in capital letters)

Annexure "V"
Acceptance Letter from Tenderer

DATE : / /2018

TO,
 THE CHIEF EXECUTIVE OFFICER,
 SHRI SAIBABA SANSTHAN TRUST, SHIRDI.
 AT PO. SHIRDI - 423 109
 TAL - RAHATA,
 DIST. AHMEDNAGAR.

**SUBJECT : SUPPLY OF 128 SLICE C.T.SCAN MACHINE AGAINST
 BUYBACK OF OLD C.T.SCAN MACHINE (Make-Siemens,
 Model - Somatom Sensation) FOR SHRI SAIBABA HOSPITAL, SHIRDI.**

Dear Sir,

Having examined the tender document, the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the goods under the above-named Contract in full conformity with the said tender document and our financial offer in the Price schedule submitted in online E-Tender which is made part of this tender.

We undertake, if our tender is accepted, to deliver the goods in accordance with the delivery schedule specified in the tender document.

If our tender is accepted, we undertake to submit the security deposit in the form DD / RTGS / Cash / Current Invoice, and within the times specified in the tender document.

We agree to abide by this tender, for the Tender Validity Period specified in the tender document and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until the formal final Contract is prepared and executed between us, this tender together with your written acceptance of the tender and your Acceptance of Tender, shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any tender you may receive.

Signed:

Date:

Duly authorized to sign this bid for and on behalf of

Thanking you.

Signature & Stamp of Tenderer

Date -

**{ Note: This Form must be signed & stamped in original to be
 submitted to this office along with Tender Fee + EMD
 on or before sale close of tender. }**

Annexure "VI"

Shri Saibaba Sansthan Trust's Shri Saibaba Hospital, Shirdi

*Purchase of C.T.Scan Machine against buyback of old C.T.Scan
Machine (Make-Siemens, Model – Somatom Sensation)
for Shri Saibaba Hospital.*

Name of Tender :		
About Details of EMD UTR		
1	UTR No. of EMD Amount :	
2	Deposited Amount of EMD:	
3	Name of Bank :	
4	Date of Payment :	
About Details of Tender Cost UTR		
1	UTR No. of Tender Form Cost :	
2	Deposited Amount of Tender Cost :	
3	Name of Bank :	
4	Date of Payment :	

Signature & Stamp of
Firm / Company

(Note : If you fails to upload your UTR No. your tender may liable for rejection.)

**SHRI SAIBABA HOSPITAL, SHIRDI
TECHNICAL SPECIFICATION WITH COMPLIANCE REPORT**

Annexure "VII"

128 Slice C.T. Scan Machine against buyback of old C.T.Scan Machine
(Make-Siemens, Model – Somatom Sensation) for Shri Saibaba Hospital, Shirdi
Qty – 1 No.

No.	Technical Specification	We Comply
	Specifications for 128 Slice CT scan Machine with five years Warranty and buyback of old 64 slice CT scan machine	
	128 SLICE CT SCANNER	
	FOR 128 SLICE CT SCANNER for ALL PURPOSE SCANNING INCLUDING CORONARY ANGIOGRAPHY	
1	Installation of top of the line Spiral Multi-Slice CT Scanner with capabilities of acquiring 128 slices per 360 degree in body and Cardiac Scan.	
2	Mandatory Essential features:	
I	Scan Time	
	The scan time for one gantry rotation of complete 360 deg. Should be <u>0.4 sec or better with temporal resolution of 0.53 ms to 1.5 ms</u> . Faster rotation time will be given weightage.	
II	Detector	
	a) Detector should have facility to acquire 128 slices simultaneously in one rotation.	
	b) The detector shall have at least 64 rows with each row having at least more than 650 elements, high quality detectors like <u>CLARITY/ STELLAR/ ELITE with dual energy imaging capabilities</u> .	
	c).The detectors shall be large area detector with a Z axis coverage of minimum 38 mm per rotation for all applications.	
	d). The detectors shall cover minimum 38 mm per rotation for standard and cardiac scans. Higher coverage will be preferred.	
III	Matrix Size	
	a) Display Matrix of 1024 X 1024 or more.	
	b) Reconstruction Matrix of 512 X 512.	
IV	Slice Thickness for Spiral Mode:	
	a). 128 slice acquisition with minimum thickness of 0.625 mm or less with minimum slice thickness of 1.25 mm or better	
	b). Any variable slice thickness from 0.625mm-10 mm in spiral mode and 0.625 mm-10mm in axial mode	
V	Gantry:	
	a) Gantry Aperture: 70 cm or more	

No.	Technical Specification	We Comply
	b) Gantry Tilt: +/-30 deg	
	c) Scan Field of View: 50 cm or more	
VI	Scanning Capability:	
	a) True 3 -Dimensional Cone beam correction technique shall be available in all modes of acquisition such as axial, spiral, 128 slice mode, and also in various application studies for whole body and cardiac.	
	b) The ECG gated acquisition shall have high accuracy of real time monitoring and adapting continuously Heart rate changes into the ECG trigger delay during each scan. Prospective ECG gated axial Cardiac scanning mode should also available as standard.	
	c) The acquisition shall be 128 slice modes for all studies including cardiac. Step & shoot or an equivalent algorithm during cardiac scanning for dose reduction will be an essential requirement.	
	d) Dose modulation shall be available for all types of studies including ECG gated tube current modulation.	
	e) Paediatric and infant base protocols shall be available based on the infant weight.	
	f) Real time contrast monitoring acquisition which allows intermittent monitoring of IV contrast enhancement in an area of interest. The contrast flow is monitored by Low-Dose scans until the contrast enhancement reaches the preferred point and then the user initiates the scan prescription.	
	g) Latest Iterative reconstruction technique launched by company used for low dose scanning should be offered as standard. For Example ASiR, IDOSE4 SAFIRE, AIDR etc. Please mention if the latest Iterative reconstruction technique has any improvement on image quality , spatial resolution etc	
VII	Resolution	
	a) The High contrast Resolution should be at least 19lp/cm for 128 slice mode. (Specify the phantom used, scan time, mA, Filter for image reconstruction scan field dose slice and MTF),	
	b) The low contrast resolution should be at least 5 mm at 3.0 HU/3 % contrast. Dose to be given in mGy for Standard Algorithmic 10 mm slice thickness as well with iterative dose reduction technique at 10 mm slice thickness. Measurement to be based on 20 cm CATPHAN. (Specify scan time, mA, filter for image reconstruction, scan field, slice). Lower dose will be preferred.	
	Desirable features as detailed under:	
3	Pitch: to be freely selectable in auto mode and also manual Helical Pitch (nominal): 0.6 to 1.5 higher pitch scanner will be given preference	
4	Patient Couch: The table should have a metal free scan able range of at least 160 cms	
5	X-Ray Generator:	
	The Generator should be of high frequency type and having output of 70 <u>KW</u> or more with max current of 600 mA or more. Mention kV selections	

No.	Technical Specification	We Comply
6	X-ray Tube:	
	Tube of high heat storage capacity 7.0 MHU or more.	
	Peak Heat dissipation rate of Anode should be at least 1000Khu/min.	
7	Operator Console:	
	a) It should have two numbers of large 18" or 19" or more high resolution LCD monitor with a display 1024 X 1280 matrix or more. Dual monitor console one for scanning and one processing will be given preference.	
	b) The System should be user friendly with all functions menu driven. It should be modern user interface.	
	c) All functions including scanning image reconstruction film documentation, archiving, transferring, Direct MPR ,Angiography, maximum intensity projection, volume rendering, 3D SSD, CTAngio , vessel measurement, small volume quantification, Virtual endoscopy software for visualization of vessels and air filled structures and Colonoscopy software for virtual endoscopy and Brain & Body Perfusion, should be possible on this operating console and on the independent workstation simultaneously.	
8	Computer System & image processor	
	a) 64 Bit/32 Bit main CPU with at least 8 GB RAM memory or better.	
	b). High speed CPU using Pentium IV ore better running at 2.6 GHz or better, Multi core processor will be preferred	
	c). Hard disc of 1 TB Or more.	
	d). Image storage of 150,000 or more of 512 matrix	
	e) CD archive with 600 or 700 MB capacity Discs	
	f) Image Processor: Operating system shall be windows or Linux based. Antivirus protection for Windows based system is must to be provided.	
	g) The image reconstruction time should be at least 30 images /per second (or frames per second FPS) or better for all types of acquisition modes including Cone beam correction, Neuro Imaging studies and 512 matrix. and standard pitch	
9	Workstation	
	a)One independent state of the art multimodality and multivendor workstation (like Syngo Via/ Advantage/ Intellispace / equivalent) with software licenses for all functions including reconstruction film documentation, archiving, transferring, Direct MPR ,Angiography, maximum intensity projection, volume rendering, 3D SSD, CTAngio , vessel measurement, small volume quantification, Virtual endoscopy software for visualization of vessels and air filled structures and Colonoscopy software for virtual endoscopic, colon study, Dental Planning software for panoramic views and cross-sectional cuts of mandible/maxilla, Lung Nodule Assessment including for Brain & Body Perfusion .	
	b) It shall be independent fully and be DICOM 3.0 compliant for multi	

No.	Technical Specification	We Comply
	modality study review.	
	c) The computer shall be the latest state of art processor working on latest windows or Linux base platform for ease of use.	
	d) It shall be a high speed CPU with a speed of 2.6 GHz or better and with an independent Hard disc storage capacity of 300 GB or more.	
10	Spiral/Helical Technique:	
	a) Scan length of at least 80 sec continuous more, higher specifications will be given preference.	
	b) Should have facility of Multi-spirals bi-directional spirals and back-to-back spirals.	
11	Software: DICOM 3.0 capability	
	a) Software for cerebral perfusion study with stroke protocol	
	b) MIP, Volume MIP, CT Angio software with quantitative vessel analysis, Virtual endoscopy software for visualization of vessels and air filled structures and Colonography software for virtual endoscopic, colon study, Dental Planning software for panoramic views and cross-sectional cuts of mandible/maxilla and Brain & Body Perfusion, Lung Nodule Assessment.	
	c). Volume rendering technique with axial cross reference imaging along with measurement tools on volume rendered image 3D, 3D Small volume measurement package MIP Slab viewer	
	d) Calcium Scoring software for coronary arteries.	
	e) Complete cardiac package with ECG gated studies (prospective and retrospective tagging)	
	i Cardiac review with analysis functions such as Ventricular motion, short axis/ long axis view, central stenosis analysis, regional wall motion studies.	
	ii Coronary angio,	
	iii Auto coronary tree extraction	
	iv. One touch volume rendering of the whole heart,	
	v. ECG gated dose modulation,	
	vi Cardiac study reconstruction must be high speed of atleast 20 images per second	
	viii Prospective ECG Gating cardiac scan	
12	Special Features required	
	a) The CT scanner should be able to perform for neuro based subtractions angiography, Renal stone assessment, Gout Assessment and metal artifact suppression.	
	b) The CT scanner should be able to perform coronary motion blur removal using latest techniques ; the same should be specified with details of techniques used by the vendors.	
	c) The CT scanner should be able to perform kinematic joint studies, free breathing patients scan for body/abdomen and 4D dynamic scans,4D Perfusion assessment for both neuro and body applications,	

No.	Technical Specification	We Comply
	please specify the coverage in case of dynamic perfusion studies with new techniques used , higher coverage systems shall be given preference . Highest coverage on dynamic mode scanning protocol and applications will get preference.	
13	OTHERS	
	a) Software for Remote Diagnostics Service over a telephone line	
	b) ECG Gating gadgets.	
	c) System must be PACS interface ready without any new hardware or software.	
	d) Fully DICOM 3.0 compliant including:	
	i) DICOM Modality worklist, with automatic procedure selection	
	ii) Capability from HIS- RIS interface. .	
	e) Dose saving protocols must be available including:	
	i) automatic tube current selection suited for selected exam	
	ii) Dynamic on the fly tube current modulation while scanning.	
	iii) ECG gated dose modulation to reduce dose during undesired cardiac phases.	
	iv) Dose displays such as CTDI volume, DLP , Dose efficiency	
14	Hard Copy Unit:	
	A Dry Camera with Digital Interface and control integrated with main console and workstation, Camera should print on 14" X 17" film size, at 500dpi and a Colour Laser Printer for Printing Coronary Scans.	
15	Patient Accessories: All patient positioning accessories, restraining straps including coronal head holder , head rest should be included	
16	Accessories:	
	a) Dual Head Pressure Injector with 500 syringes: with facility for continuous battery charging	
	b) Full system UPS for entire CT system with 30 minutes backup.	
	c) Central Medical Gas Pipeline : as per requirement	
17	GUARANTEE : The vendor should guarantee the service and spare support for 10 years of the system including X-ray Tube head, Detector, all Hardware and Software and all accessories.	
18	Miscellaneous:	
a.	Country of origin of the Main Equipment: USA/ Japan/china and or Europe	
b.	Both CE marked and FDA approved	
19	Warranty: Comprehensive Warranty for 5 Years from the date of satisfactory handing over the fully functional unit including all spare parts, X-ray tube head, Detector The warranty will be on all the items, spare parts, Computer system Hardware and Software and including all accessories and local supply items (like UPS, AC, Generator all turnkey work if any) to the institute. The successful bidder to provide 98% uptime during the warrantee period. In case downtime exceeds 2%, the warrantee will be extended double the excess downtime.	
20	CMC: CMC should be quoted per year basis for next Five years	

No.	Technical Specification	We Comply
	including service tax at actual. The price for CMC should be fixed for next five years after completion of Warranty. The successful bidder to provide 98% uptime during the CMC period. In case downtime exceeds 2%, the CMC period will be extended double the excess downtime. CMC charges will be included for price comparison of bids.	
21	Warranty and CMC services should be same and it should include at least 4 Nos. of PMS visits and Unlimited breakdown calls as and when ever required per year with all spare parts	
22	Training: Overseas Onsite Training should be given to Radiologist for min 15 Days. Technicians should be given onsite training for one week. Biomedical Engineer should be given One Week or more training for Service. The cost of the training should be borne by the supplier.	
23	Turn Key: The bidder to inspect the site and collect the site plan along with tender document. Turn key work to be done as per site plan. Turnkey work done by the bidder to be maintained during the warranty and CMC period.	
24	Datasheets: The bidder should provide original datasheet and brochure along with the bid, without which the bid will not be considered.	
25	The bidder to provide detailed compliance sheet (containing deviation if any) and mark the serial number of items in product data sheet/brochure against each item. In addition, the compliance submitted must match with the Technical Offer given by the bidder and there should not be any ambiguity. If any ambiguity found then the bid will be solely rejected.	
26	Onsite application support should be provided for one year whenever required	

Note :- Please tick mark if you are complying our specification, if there is any deviation then Write in each row.

Medical Director & Civil Surgeon,
Shri Saibaba Sansthan Trust
Hospital's, Shirdi