श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, तिरुवनंतपुरम- 11, केरल
Sree ChitraTirunal Institute for Medical Sciences and Technology, Thiruvananthapuram - 11, Kerala
(भारत सरकार के अधीन राष्ट्रीय महत्व संस्थान)
(An Institute of National Importance under Government of India)
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**CORRIGENDUM -1 dtd.23/02/2022**

**TENDER NO.SCT/H/IMP-IND/P2/21-22/10**

**A. Date of submission of bid (online and offline) and Tender Opening date is changed.**

| Particulars | Dates given as per Tender Notice dtd.31.12.2021 | Date and Time changed to |
|---|---|---|
| Last date and time of online submission of bids | 15/02/2022 upto 5.00 PM | 31/03/2022 upto 5.00PM |
| Last date and time of submission of Hardcopy of Techno- commercial Bid with supporting documents (price bid has to be submitted online only). *The tender will stand rejected if the price bid is submitted along with hardcopy of techno-commercial bid* | 19/02/2022 upto 1.00 PM | 05/04/2022 upto 1.00 PM |
| Date of tender Opening | 21/02/2022 at 2.30 PM | 06/04/2022 at 2.30 PM |

| SECTION -I | | |
|---|---|---|
| **B. INDEPENDENT EXTERNAL MONITORS** | | |
| **Pg.no.** | **Independent External Monitors as per tender notice dtd.31.12.2021** | **New Members** |
| **Pag.5** | **Sri. Sharda Prasad, IPS (Rtd.)** | **Sri. Prahlad Kumar Sinha, IP & TAFS (Rtd.)<br>Ph.No.09423677066<br>I.D-pekay66@gmail.com** |
| | **Sri. Sanjeev Behari, IRS (Rtd.)** | **Sri. Javeed Ahmad, IPS (Rtd.)<br>Ph.No.08527249595<br>Javeed60@yahoo.com** |

| SECTION – VI | | |
|---|---|---|
| **C. LIST OF REQUIREMENTS** | | |
| **PART – II:REQUIRED DELIVERY SCHEDULE** | | |
| **Sl.No.** | **Description** | **To be read as** |
| **Pag. No. 39** | **a) For Indigenous goods or for imported goods if supplied from India:**<br>120 days from date of Purchase Order to delivery at consignee site or 30 days from the date of site handover, whichever is later. The date of delivery will be the date of delivery at consignee site. Tenderers may quote earliest delivery period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site.<br>**b) For Imported goods directly from foreign:**<br>90 days from the date of opening of L/C to deliver | **a) For Indigenous goods or for imported goods if supplied from India:**<br>**150** days from date of Purchase Order to delivery at consignee site or 30 days from the date of site handover, whichever is later. The date of delivery will be the date of delivery at consignee site. Tenderers may quote earliest delivery period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site.<br>**b) For Imported goods directly from foreign:**<br>**150** days from the date of opening of L/C to deliver |

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| | at port of destination or 30 days from handing over the site, whichever is later. The date of delivery will be the date on which the consignment reaches the Port of Destination. (Tenderers may quote the earliest delivery period). Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site | at port of destination or 30 days from handing over the site, whichever is later. The date of delivery will be the date on which the consignment reaches the Port of Destination. (Tenderers may quote the earliest delivery period). Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site |

**SECTION - VII**

**D. TECHNICAL SPECIFICATION AND GENERAL POINTS**

**PART - II**

| Sl.No. | Description | To be read as |
|---|---|---|
| 2.A.8 | Iso-center-to-floor distance at least 106 cm, focus-to-iso-center distance at least 75 cm, maximum patient coverage approx 185 cm or more | Iso-center-to-floor distance at least **100** cm, focus-to-iso-center distance at least **70** cm, maximum patient coverage approx 185 cm or more. |
| 2.B.9 | Table height adjustable from at least 78cm to 104 cm | Table height adjustable from at least **80cm to 100 cm** |
| 2.D.2.b | 0.6mm or less with load 40kw or more | 0.6mm or less with load **30 kw or more** |
| 2.F.1 | Detector should have the field of view minimum of 10 inches or more | Detector should have the field of view minimum of **9.5 inches or more** |
| 2.G.1 | Image display monitors in examination room: 6 nos (Optional) | **Image display monitors in examination room:** |
| 2.G.1.a | LCD/ LED flat 19 inch or higher medical grade monochrome monitors with wide viewing angle, high Luminance, high contrast, flicker free, distortion-free: one for live image and two for reference. | **Deleted** |
| 2.G.1.b | One additional colour medical grade monitor for hemodynamic display | **Deleted** |
| 2.G.1.c | Monitors in the examination room should be ceiling-suspended with height adjustment and longitudinal travel to either side of table & swivel capabilities. | **Deleted** |
| 2.G.1.d | All monitors may be incorporated into a single suspension frame. | **Deleted** |
| 2.G.1.e | Monitor brightness should be at least 600 CD/m2. | **Monitor brightness should be at least 400 CD/m2.** |
| 2.G.1.f | Any additional feature to switch various video signals from various sources in a single monitor should be offered as standard. There should be video-out from the system for conference facility. | **Deleted.** |
| 2.G.1.g | There should be co-registration/ integration of OCT/ IVUS/ FFR/ Spectroscopy (when available) and integration of physiological indices such as FFR, iFR, RFR and other related measurements. This should be displayed in the monitor system and there should be a provision to toggle between | **Deleted** |

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| | various inputs in this display system where the additional modality is displayed | |
| 2.I.9 | Both on line & off line coronary analysis & ventricular analysis from table side & console room. There should be facility for parallel view of archived examinations, permit concurrent measurements of both archived studies and any images of the current study while fluoroscopy or cineradiography (acquisition) is going on. | **Both online & off line coronary analysis & ventricular analysis from table side & console room. There should be facility for view of archived examinations, permit measurements of both archived studies and any images of the current study** |
| 2.G.3.a | 55 inch or higher Single medical grade FHD monitor. Should be able more than 20 image sources in same display. Illuminance intensity more than 600cd/ m2. Should have Multi display controller. Should have more than 7 physical and simultaneously usable inputs including digital, Analog and High speed Analog. Power supply redundancy with hot swap capability. For live and reference back up to 19inch or higher medical grade monitor should also be provided along with the single monitor. | 55 inch or higher Single medical grade FHD monitor. Should be able more than **8** image sources in same display. I luminance intensity more than **400cd/m2**. Should have Multi display controller. Should have more than 7 physical and simultaneously usable inputs including digital, Analog and High speed Analog. Power supply redundancy with hot swap capability. For live and reference back up two 19 inch or higher medical grade monitor should also be provided along with the single monitor. |
| 2.L.2 | Image Optimization Software | Image Optimization Software **(Optional)** |
| 2.L.2.a | Image optimization software should have the following capabilities | Image optimization software should have the following capabilities **(Optional)** |
| 2.L.3 | Physiology Co registration System. | Physiology Co registration System.(**Optional)** |
| 2.L.4 | Fusion imaging with echocardiography (optional but desirable) | Fusion imaging with echocardiography(**Optional)** |
| 2.O.6 | Wireless remote communication facility from reputed brand should be provided for two-way communication. There should be provision to communicate between operator and view-station (microphone – on /off, volume control, speaker on/off with volume control); 3 wireless handsets | **Communication facility from reputed brand should be provided for two-way communication. There should be provision to communicate between operator and view-station (microphone – on /off, volume control, speaker on/off with volume control); 3 handsets** |
| 2.P.16 | System should be European CE or FDA approved and confirms to EN 60601-2-13 (Requirement for safety and essential performance of anaesthesia system) | **Revised, pls see point.2.X.2 in Corrigendum** |
| 2.Q.13 | It should be US FDA and European CE approved for monitor as well as all the parameters. | **Revised, pls see point.2.X.2 in Corrigendum** |
| 2.T.15 | Should be US FDA/EUROPEAN CE4 digit approved if there is no valid Indian standard available in this category. | **Revised, pls see point.2.X.2 in Corrigendum** |
| 2.U.14.a | Should be US FDA/EUROPEAN CE4 digit approved or equivalent if there is no valid Indian standard available in this category. | **Revised, pls see point.2.X.2 in Corrigendum** |
| 2.V.12 | All system shall be USFDA & European CE 4 digit certified in case any specified Indian standards are | **Revised, pls see point.2.X.2 in Corrigendum** |

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| | not available. | |
| 2.X.2 | US FDA, CE or equivalent Marking according to Directive 93 / 42 / EEC in case there is no valid Indian certification available in this category Equipment. | **The quoted Single Plane Cath Lab with Cath Recorder and all other equipment should have a valid Indian Standards quality certification. If there is no Indian Standard is available, then the quoted Single Plane Cath Lab and all other equipment should have USFDA/European CE with four digit identification number according to Directive 93/42/EEC from a notified body of certification as applicable.** |
| 2.Y.1 | In case of USFDA, CE or equivalent all the medical devices shall be marked as per EU Medical Device Directive No.93/42/EEC and other component parts shall bear CE mark as per relevant EU directive/s or US FDA certified. Self-declaration of conformity documents with other related certificates e.g. Notified Body certificates shall be uploaded. Additional documents to verify the claims may be asked for. Same procedure to be followed in case of any equivalent certification. | **Revised, pls see point.2.X.2 in Corrigendum** |
| **E. Addendum to Technical compliance (Pls. ref. last page of compliance statement)** | | |
| I | Current models (within last 6 months) should be quoted. | |
| II | If the specification document refers to technical terms/features which may reflect the product line of a particular manufacturer, the equivalent proven technology/feature can be quoted. If this document does not elaborate on a particular specification, state of art industry standards will be applicable. For all clarifications, refer to state of art industry standards. | |
| **F. General Point of Tender Document (Pag. No.57 and 58)** | | |
| **Pag.No. 57** | **1. Warranty**<br>**a)** Three years Comprehensive Warranty and CAMC for another Twelve years are required as per Conditions of Contract of the bidding document. The warranty and CAMC shall be for complete equipment (Including all spares, labour and third party items) from the date of satisfactory installation, commissioning, trial run, handing over and acceptance of the goods by the User Department of the Institute.<br>**d)** Equipment should be service supported with spares for a period 12 years after warranty. | **1. Warranty**<br>**a)** Three years Comprehensive Warranty and CAMC for another **Seven** years are required as per Conditions of Contract of the bidding document. The warranty and CAMC shall be for complete equipment (Including all spares, labour and third party items) from the date of satisfactory installation, commissioning, trial run, handing over and acceptance of the goods by the User Department of the Institute.<br>**d)** Equipment should be service supported with spares for a period **7 years** after warranty. |
| **Pag.No. 57** | **2. After Sales Service**<br>After sales service centre should be available at the city of Institution on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by Bidder/Indian Agent. Undertaking by the Principals in the — | **2. After Sales Service**<br>After sales service centre should be available at the city of Institution on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by Bidder/Indian Agent. Undertaking by the Principals in the — |

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| | Manufacturer Authorisation Form-II that the spares for the equipment shall be available for at least 12 years after warranty. | Manufacturer Authorisation Form-II that the spares for the equipment shall be available for at least **7 years** after warranty. |
| **Pag.No. 58** | **4. Comprehensive Annual Maintenance Contract (CAMC) of subject equipment**<br>a) The cost of Comprehensive Annual Maintenance Contract (CAMC) which shall include preventive maintenance including testing & calibration as per technical/service/ operational manual of the manufacturer, labour and all spares, after satisfactory completion of Warranty period may be quoted for next twelve years on yearly basis for complete equipment including third party items as per Price Schedule.<br>F) The Cathlab system should be regularly maintained in the latest version of computing software including software platform upgrades released for the respective system that can prepare it for future enhancements. If a hardware upgrade is required to run the latest software version to its normal performance, the respective hardware should be upgrade at no additional cost during the complete life of the system (minimum 15 years during the warranty and CAMC period). | **4. Comprehensive Annual Maintenance Contract (CAMC) of subject equipment**<br>a) The cost of Comprehensive Annual Maintenance Contract (CAMC) which shall include preventive maintenance including testing & calibration as per technical/service/operational manual of the manufacturer, labour and all spares, after satisfactory completion of Warranty period may be quoted for next **Seven years** on yearly basis for complete equipment including third party items as per Price Schedule.<br>F) The Cathlab system should be regularly maintained in the latest version of computing software including software platform **updates** released for the respective system that can prepare it for future enhancements. If a hardware upgrade is required to run the latest **updated** software version to its normal performance, the respective hardware should be upgrade at no additional cost during the complete life of the system (minimum **10 years** during the warranty and CAMC period). |
| **G. Compliance Statement is revised accordingly and is attached.** | | |
| **H. BOQ (IMP and IND) is revised accordingly and is attached.** | | |

**Sd/-**

**DIRECTOR**