

**NEIGRIHMS**

North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences
(An Autonomous Institute, Ministry of Health and Family Welfare, Government of India)
Directors Block Mawdiangdiang, Shillong, Meghalaya-793018

F.No:NEIGR/S&P/R - 02/2017-18/Pt**Date 30-12-2022****Notification of Award No:NEIGR/S&P/OT/G -984/2022-23/GEMC-511687734947149****PO ID:PO12220008 / Approved Date:17-01-2023****Indent-No: IN12220002**

To

M/s Kuk Medsolutions,
21, Chawla Complex, A -215, Shakarpur,
Vikasmah, Delhi -110092, Tel:9311866500,
kukmedsolutions@gmail.com

Principal:

M/s Eckert & Ziegler BEBIG GmbH,
Robert Rossle Str - 10 13125 Berlin
Germany, Tel:+40 30941084 0,
medical@ezag.de

Sub: Award for Supply, Installation, Testing and Commissioning of HDR Brachytherapy Unit (C 60) with Accessories and on complete Turnkey works for the department of Radiation Oncology/RCC with 5 years warranty and thereafter 5 year CMC for department / section of Oncology.

Reference:

- Tender Enquiry No: NEIGR/S&P/GeM/2022/B/1918019
- Offer No: NA
- Price Justification No:KMIO/SME(I)/Tender/M Equip/67/Co.60GLB/2021-22, Dated - 4/5/22
- Price Discount Letter No:KUK/GEN/NEIGR/2022-23/10, Dated - 10/6/2022
- PO Remarks:Approved in the 59th Purchase Committee held on 13th /14th June 2022 vied agenda no - C 3. Delivery schedule including supply, installation, testing and commissioning should be completed within 21st March 2023

*& Approval of NEIGR/S&P/OT/G - 984/2022-23/GEMC-511687734947149
all 13/10/22*

This Order/Memorandum issues with concurrence of Finance Branch vide their UO No C - 396/2022-23 Dated 02-11-2022

Dear Sir/Madam,

With reference to Tender Enquiry No: **NEIGR/S&P/GeM/2022/B/1918019** and your Bid/Offer **NA** in response an order is hereby placed on you for the complete turnkey contract of supply, transportation, installation, commissioning, provision of technical assistance, after sales service, maintenance service and other such obligations of the tenderer, training at bidders cost and demonstration of Medical equipment at this Institute, as per details indicated herein.

This order which is intended for the supply of the store detailed in the scheduled below, in accordance with the terms & conditions of NEIGRIHMS /Government of India and in the manner specified herein, shall operate to create a specific contract between the contractor (with whom the contract referred to and the requisition are placed) on one part and NEIGRIHMS, Shillong, on the other part.

Sl. No	Description Of Goods	Unit	Rate Per Unit	Total Amount on(DDP at Consignee Site)
1	HDR Brachytherapy Unit (C-60) with Accessories (Make:Eckert & Ziegler BEBIG GmbH,Model:SagiNova)			
	FOB Price/Ex-factory at Port /Airport of Loading	1nos	₹ 42,309,440.68	₹ 42,309,440.68

Goods & Service Tax (GST)	₹ 7,615,699.32	₹ 7,615,699.32
Total Price for NEIGRIHMS rate with 5 years warranty period		₹ 49,925,140.00

In words: INR Four Crore Ninety Nine Lakhs Twenty Five Thousands One Hundred And Forty Rupees Zero Paise

Total Price for inclusive delivered free (F.O.R) at Central stores / Department at NEIGRIHMS. Mawdiangdiang, Shillong - 793018 including loading, unloading, handling, transportation, weighbridge and other unforeseen charges.

Tenderer/ Vendors/ Contractor should note that the following terms and conditions will apply specifically in addition to the Rules and the Regulation as applicable to such purchases in the Government of India.

Warranty:

The Tenderer warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The Tenderer further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per the purchaser's specifications) or workmanship or from any act or omission of the Tenderer, that may develop under normal use of the supplied goods under the conditions prevailing in India.

This warranty shall remain valid for the period mentioned above, after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser in terms of the contract, unless specified otherwise in the SCC.

Upon receipt of such notice from the purchaser, the Tenderer shall, within 8 hours on a 24 (hrs) X 7 (days) X 365 (days) basis, repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The Tenderer shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the same warranty for the rectified /replaced goods shall be applicable from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.

The tender / Manufacturer /OEM has provide minimum two mandatory Periodic Preventive maintenance in a year throughout the contract period failing which action will be initiated according to terms & condition of the tender, including forfeiture of the performance bank guarantee.

Comprehensive Maintenance Contract (CMC):

The Purchaser/Consignee reserves the rights to enter into Annual Comprehensive Maintenance Contract (CMC) between Consignee and the Tenderer for the period after the completion of warranty period.

The consignee will enter into CMC with the Tenderer at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 4 % of the CMC value in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

During CMC period, the Tenderer shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The Tenderer shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months

commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.

The payment of Annual CMC will be made against the bills raised to the consignee by the Tenderer on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned /Competent Authority and on receipt of Bank Guarantee for an amount equivalent to 4 % of the CMC value valid till 2 months after expiry of entire CMC period. The payment will be made in Indian Rupees.

The tender / Manufacturer /OEM has provide minimum two mandatory Periodic Preventive mentainance in a year throughout the contract period failing which action will be initiated according to terms & condition of the tender, including forfeiture of the performance bank guarantee.

CMC Equipment Cost:

S.no	Contract period	Units	Price Per Unit	Total Cost (Exclusive of GST)
1	HDR Brachytherapy Unit (C-60) with Accessories (Make: Eckert & Ziegler BEBIG GmbH, Model: SagiNova)			
	6th year	1	₹ 1,683,915.74	₹ 1,683,915.74
	7th year	1	₹ 1,683,915.74	₹ 1,683,915.74
	8th year	1	₹ 1,683,915.74	₹ 1,683,915.74
	9th year	1	₹ 1,683,915.74	₹ 1,683,915.74
	10th year	1	₹ 1,683,915.74	₹ 1,683,915.74

Delivery Schedule(Supply, Instalation, Testing, Commisioning with turnkey works):

For Indigenous goods or for imported goods if supplied from India: 81 days from date of Notification of Award to delivery at consignee site. (Tenderers may quote earliest delivery period).

For Imported goods directly from foreign:

FOB Contracts- 81 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading or Airway Bill (Tenderers may quote the earliest delivery period).

DDP Contracts: 81 days from the date of opening of L/C. The date of delivery will be the date of receipt by the consignee as in Consignee Receipt Certificate (Tenderers may quote the earliest delivery period).

Subject to the stipulation, if any, in the bidding document, the Tenderer shall be required to perform the services viz. Installation, commissioning, supervision, demonstration, complete turnkey works, providing required jigs and tools for assembling, Civil works required for the completion of the installation, training of Consignee's Doctors, Staff, operators, etc for operating and maintaining the goods, supplying the required number of operation & maintenance manual for the goods

Liquidated Damages:

If the Tenderer fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the purchaser shall, without prejudice to other rights and remedies available to the purchaser under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5%

per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached, purchaser may consider termination of the contract as per GCC 24. During the above-mentioned delayed period of supply and/or performance, the conditions incorporated under GCC sub-clause 22.4 above shall also apply. Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of GCC.

Performance Security:

Within thirty (30) days from date of the issue of Notification of Award by the purchaser, the Tenderer, shall furnish Performance Security to the purchaser for an amount equal to three percent (3%) of the total value of the contract, valid for a period of sixty days (60) beyond the date of completion of all contractual obligations including the warranty obligations. In the event of any failure/default of the tenderer with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security, the amount of the performance security is liable to be forfeited

Performance Security may be furnished in the form of an Account Payee, Demand Draft, Fixed Deposit Receipt / Bank Guarantee from a Commercial Bank. Bid security should be refunded to the successful bidder on receipt of Performance Security.

Bidder/Tenderer are also required to sign the rate contract agreement, within 21 (twenty one) days from the issue of the notification of award, failing which EMD/Bid Security shall be forfeited.

Payment:

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of GCC. Payment for domestic goods shall be made in Indian rupees as specified in the GCC clause 21.1. For Imported goods, 90% of the net FOB /CIF price (less Indian Agency Commission) as the case may be, through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country and remaining as per the terms & conditions indicated in GCC clause 21.

Corrupt or Fraudulent Practices /Code of Integrity:

It is required by all concerned namely the Consignee/Tenderers/Suppliers etc to observe the highest standard of ethics during the procurement and execution of such contracts and to abide by the Code of Integrity Act, as per GFR 2017. In pursuance of this policy, the Purchaser: - defines, for the purposes of this provision, the terms set forth below as follows: "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition; Will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question; Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for or in executing the contract

Settlement of Disputes

If there is any dispute or differences, the same may be referred to Director, NEIGRIHMS. Director, NEIGRIHMS or his authorized representative shall be the final authority in all disputes and decision taken by the authority will be binding on all concerned. Therefore, the jurisdiction in respect of settlement of disputes in

Stores & Civil contracts shall be as per the Commercial Courts, Commercial Division and Commercial Appellate Division of High Courts (Amendment) Ordinance 2018, wherein the provision for pre-institution mediation, has been made mandatory in respective cases by the parties to the disputes.

Name of the Consignee:

Director, North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, Mawdiangdiang, Shillong -793018 (Meghalaya), INDIA

All other terms & conditions are as per Tender Enquiry No / Offer No.: NEIGR/S&P/GcM/2022/B/1918019 / NA

(Kindly refer to the tender /bid document for all required Annexures /Proforma/Forms)

Validated By,
Harendra dey
17-01-2023 12:39:51

Yours faithfully,


Stores & Procurement Officer
For and on behalf of Director, NEIGRIHMS, Shillong
NEIGRIHMS Shillong-18

Copy to:

① Union Secretary - MOHFW, New Delhi

Indenting Officer /Inspection authority- Head /Incharge, Department / Section of Oncology
Central /Ancillary Store
Biomedical Engineer
Purchase Order Master / Relevant File
Stores Section Record

① Dr Vikas Singh - Asst Prof / Asst Surgeon
② responses / BME / etc certificates
③ Mr. N. S. / etc etc etc
④ DOA / DCA / etc etc etc

Enclosed:

- Annexure : Technical Specification
- Annexure : Tender Form (Section -X)
- Annexure : Compliance Statement
- Annexure : Manufacturer's Authorization /Acceptance Letter

Technical specifications for supply, installation & commissioning of HDR Brachytherapy Machine

A High Dose Rate (HDR) Brachytherapy (With Co-60 source), state of the art Unit, and the latest model should be supplied meeting the requirement of national and international standards and regulations with state of art hardware and software with state of the art Treatment Planning System (TPS), for doing all types of Brachytherapy Planning and required Applicators and Accessories Supply is required for the Dept. of Radiation Oncology, NEIGRIHMS, Shillong.

The unit should be capable of doing Intracavitary, Intraluminal, Interstitial and Surface Mould Brachytherapy.

The technical offer and compliance column with respect to each specification should be filled by the vendor while submitting the bid

Sr. No.	NEIGRIHMS Tender Specifications
1.	General Specifications:
	The HDR system should be microprocessor based with PC controlled.
	The HDR unit must be from a well-established company with a documented history of reliability.
	Must have a symmetrical source and check cable drive.
	The HDR system manufacturer should have an ISO 9001/FDA certification and must conform to EMC directives. A copy shall be enclosed of the same. It must be AERB approved model.
	The height of the device should be adjustable in order to allow easy connection of transfer tubes with a patient either seated or on a treatment table.
	A single operated quick lock system shall be provided to secure the unit in position when parked or during treatment.
	The HDR system must have a "Check" cable that automatically checks the operation of the complete prior to treatment. The check cable must also be possible to use as a "Dummy" source to allow simulation a particular source locations.
	The system should be in use in renowned centers in India. The tender offer must be accompanied with letters of reference from existing users of the offered products in India.
	The HDR Unit quoted in the tender shall have type approval certificate from the competent authority. A copy of type approval of the same must be enclosed with the offer.
	UPS, Color CCTV and two way patient communication system must be included with the offer.
	A couch for application of ICRT/ CVS with appropriate fixation device shall be provided. With facility for up-down movement and lock.
2.	Detailed Specifications:
A.	Treatment Unit:
	Preferably on wheels for easy mobility within the room.
	The unit should be capable of adjusting as various heights.
	Stepper motor to control dummy check cable and source cable with an accuracy of ± 1 mm.
	A safe to contain the source which complies International Safety Regulations.
	Unit should have a built in radiation detector.
	The unit should have a multichannel indexer with at least of 15 channels having automatic / optical verification of channel number and applicator/catheter connection.
	The source must be retractable (either by independent motor or manual source retraction) in the event of an emergency/power failure.
	Backup power supply for the unit and console system for at least 1 hour shall be provided.
B.	Control Unit:
	The control console shall consist of a PC including the software for operating the afterloader, a keyboard, a color monitor, mouse, printer, network card, a backup media and a display indicating visual and audio alarms and a laser printer.
	If communication between control console and afterloader is lost, whether by software or hardware failure, the source shall immediately and automatically be retracted.
	The control console and afterloader shall be programmable with information relating to the activity of the installed source, and shall automatically correct all treatment dwell times for radioactive decay of that source.
	The control console shall have a means to access the treatment plan calculated on the treatment planning system via a network and deliver the treatment.
	There shall be a means of programming dwell positions and times directly into the control console.
	There shall be a means of editing dwell positions and times already loaded into the control console.
	Dwell times at each dwell position shall be programmable from 0 - 999 seconds with a resolution of 0.1 seconds and an accuracy of ≤ 0.1 second.

	It shall be possible to program a minimum 40 dwell positions within a channel with a corresponding 2.5/5/10 mm step size.
	Throughout the treatment, there shall be clear indications at the control console of the state of the treatment in progress, including: <ul style="list-style-type: none"> The channel being treated Whether the active or dummy cable/wire is extended. The dwell position of the source. The programmed and remaining dwell time for that dwell position. The programmed and remaining dwell time for the treatment channel. The programmed and remaining total dwell time (all channels) Present activity of the source in terms of Ci and total RAKR.
	Large patient database should be provided with a backup to an external storage device.
	Control unit should contain a built in log book and all events should be recorded.
C.	Radiation Source:
	The radioactive source must be a single Co-60 source of 2Ci strength.
	Active length < 5 mm.
	Source Size: Please specify
	Minimum and maximum treatment length: Please specify
	The source drive out length from the indexer to reach further sites of treatment. Please Specify
	Maximum number of source transfer capacity per source: Please specify
	Treatment pathway curvature: Please specify
	Source Cable movement accuracy: Please specify
	Supply of source: 2nos of Co-60 sources to be used for first 10years
	Source step size: Please specify
	Maximum time required to supply the source from the date of placing order: Please specify
	Please mention the number of source transfers tested/possible with the unit both total and per source.
3	Radiation Safety and QA Package:
	Within the afterloader there shall be a radiation detector, which shall give audible and visual warnings at the operator console and the afterloader, that radiation is present when the source is extended in normal operation. The same radiation detector shall sound an alarm and will give visible indication radiation is present when it is intended that the source should have returned to the safe.
	A Gamma Zone Monitor with latest calibration certificate shall be provided by the vendor which gives visual and audible warning inside the treatment room and at or near the operator console that radiation is present when the source is extended in normal operation.
	LMO (Last Man Out) switch shall be provided and installed as per AERB guidelines.
	A source calibration well type chamber with matched cabling and electrometer shall be provided with latest calibration certificate.
	Source position accuracy verification tool shall be provided.
	A calibrated contamination monitor shall be provided.
	A catheter length measurement device shall be available so that any catheter or applicator channel length can be precisely determined.
	EDR3 and Gafchromic films (100 each).
4	Applicators:
	Applicators to be provided for:
	Cervix – CT compatible Fletcher Suit type applicator – 4 sets
	A set of CT compatible SIVA applicator set.
	Central Vaginal Source applicator with variable diameter – 2 sets
	Intraluminal Brachytherapy applicator for esophagus and bronchus: 2 set each.
	Breast template: 3 set
	Tongue template: 2 set
	MUPIT template: 2 sets
	Flexible implant tubes/catheter complete set with minimum 500 nos.
	Guide wires: 2 sets
	Connecting tubes for various applicators
	MR compatible Interstitial Markers set
	A set of Brachytherapy interstitial needles of 10cm, 15 cm and 20 cm and others please specify
5	Accessories:
A	A closed-circuit color TV system with two TV monitors and 2 cameras. One wide angle & one remote control with remote zoom & focus facility in the HDR Brachytherapy treatment room shall be supplied.
B	A two way patient calling system shall be supplied.
C	3 patient trolleys with water resistant cushion and 2 wheelchairs with water resistant cushion for patient shifting
6	C-Arm:

	Vendor shall provide a C-ARM (AERB Type Approved) along with a carbon fiber couch for imaging which shall be installed in-house with the
	HDR unit with DICOM image transfer capability to TPS.
	The System shall meet the following technical requirements:
	1. High frequency X ray generator capable of at least 40 to 110 kV
	2. X-ray tube should have dual focus spot
	3. Imaging detector type/size: please specify
	4. Fluoroscopy/Radiography capability including foot switch for remote operation.
	5. Last image hold capability.
	6. Cassette exposures should be available.
	7. Gantry with optional isocentric rotation.
	8. Orbital movement of at least 120° (- 30° to + 90°) or rotation of at least +/- 190° (if isocentric).
	9. Motor-driven vertical travel: greater than or equal to 40 cm.
	10. Horizontal travel: greater than or equal to 20 cm.
	11. Focus-image receptor distance greater than or equal to 90 cm.
	12. Free space greater than or equal to 78 cm.
	13. A braking system for gantry control.
	14. DICOM interface for digital networking of images (transfer of digital images to brachytherapy treatment planning system).
	15. In addition to hard disk image storage capabilities, the system should also have USB and DVD storage possibilities.
	16. For image viewing 23" or more TFT monitors of medical grade mounted on a trolley.
	17. Accessories:
	• Lead goggles: 4 sets.
	• Lead apron: 4 sets.
	• Sterile cover 2 sets.
	18. A complete set of diagnostic QA kit for performing periodic quality assurance as per AERB guidelines.
	19. C-Arm should be mobile to move in and out of room when required.
7	Treatment Planning System
	A dedicated treatment planning system (TPS) for the after-loader shall be offered. Ideally, the planning workstation will have additional functional capabilities, which should be described.
	The treatment planning system should be fully computerized, integrated system having hardware and software to perform all kinds of 3D Brachytherapy planning calculation, isodose plotting, display of patient files, beam data acquisition and display and other related program. The planning system should be able to transfer the plan directly through network for execution to the independent HDR unit control computer linked to it.
	A. Hardware:
	High end graphics workstation consisting of
	Multi-color inkjet printer/plotter to print various datas/isodose curves for A4 format, or equivalent (Cartridge shall be provided)
	24" color TFT Flat screen
	There shall be a means by which treatment dwell positions and times calculated on the treatment planning computer can be transferred to the control console of the afterloader.
	A scanner with good resolution should be provided.
	An external hard drive (2TB) shall be provided for patient data storage (Archive/Retrieve)
	B. Software:
	The following software features and performance standards shall be required:
	Image input
	Dose calculation should be based on AAPM TG-43
	Transferring CT- MRI- or US scanner patient image data via a film scanner
	and subsequent generation of 3D image data set.
	Transferring CT, MRI or US scanner patient image data directly, using DICOM-3 or CART image formats.
	DICOM RT shall be included
	Catheter / Applicator input
	Catheter / applicator structure definition with mouse on monitor
	Catheter / applicator position data input from keyboard and film digitizer tablet
	Assistance for identification of the catheter / applicator position defining points with a projection line
	Automatic reconstruction of metal needles / applicators or plastic catheters in CT data sets.
	Needle position definition using a template

	Catheter/appliator reconstruction in 3D space from: <ul style="list-style-type: none"> Orthogonal Films Semi orthogonal films Stereoshift films Using jig reconstruction Variable angle
	Catheter / appliator reconstruction in 3D space from 3D image data from: <ul style="list-style-type: none"> CT Scanner MRI Scanner US Scanner
	System must allow applicator defining points to be entered in a transverse plane or any other plane reconstructed from the data set
	Image processing/manipulation
	Anatomical structure definition / patient outlining
	Reconstruction of 3 dimensional models of anatomical structures based on 3D data sets from CT, MRI and Ultrasound scanners.
	Planning tools
	Rapid reconstruction of catheter using tracking algorithm and indication of corresponding on the image should be present
	Ability to do geometric optimization
	Ability to do optimization with constraints
	Rescaling of the dose distribution with a common factor
	Combine Brachytherapy plan with external beam plan
	Cumulative and Differential dose volume histograms
	Multiple plan comparison.
	C. Networking:
	The TPS should be connected to the entire HDR Brachytherapy Unit, C-Arm & Ultra Sound Unit, CT-Simulator/CT-Scan and MRI machine in NEIGRIHMS.
8	Training for Radiation Oncologists and Medical Physicists:
	Vendor offer shall include training based on the following:
	On-site working one-week training for Oncologist and Medical physicist shall be offered. Emphasis shall be on practical hands-on training.
	During the on-site training, training for the Oncologist shall include treatment planning on the planning system, knowledge and handling of the applicators ordered and emergency and safety procedures.
	Training for the Medical Physicist shall include operation of the afterloader, dosimetry of the Co-60 source, quality assurance, treatment planning on the treatment planning system, knowledge and handling of the applicators ordered and emergency and safety procedures.
	1 week training for one radiation oncologist and one medical physicist at a reputed center in India with similar installation.
	On-site training for C-arm and USG operations to the radiation professionals.
	The vendor shall agree to have a medical physicist on site at the hospital to support for first patient treatment on receiving commissioning approval from AERB.
9	Warranty and Service Support:
A.	Warranty: 5 Yrs. (Inclusive of all components)
B.	Service and Support:
	The vendor must ensure technical support and spare parts for another 10 Yrs after the expiry of 5 Yrs. warranty period.
	The installation and servicing of the offered HDR Brachytherapy system shall be through a factory trained service engineer.
	Service contract shall include onsite service of hardware and software, source replacement, preventive maintenance and software updates for the system as purchased.
	In order to facilitate exchange of information, the vendor shall submit a complete user list of systems equivalent to that offered.
	The vendor shall maintain an application support system whereby customers have access to a toll-free phone line.
	Factory trained service engineer/ application specialist should be available to look after the installation and maintenance of the system.
10	Optional Item:
	Vienna Applicator:

	<p>The vendor shall provide Vienna 2 ring CT/MR Applicator set with Round point tip Titanium Interstitial needles with the following specifications:</p> <ul style="list-style-type: none"> • Ring Diameter: 26 mm and 30 mm with variable tandem lengths • Tandem and Ring angulations: 60° • Needles: Prebend and straight • Needle Bender • Smit Sleeve
	<p>Treatment tubes to connect all applicators should be of constant length to prevent stretching and slippage and also should be quick fit safety connections. Complete set of connecting guide tubes as per the number of channels for multichannel applicators and for all lengths of needles and flexible implant tubes offered.</p>
	<p>Both rigid and flexible implants along with necessary X-ray catheters, transfer tubes etc. to be provided and should be possible to cut the flexible implant tubes to desired length for clinical application.</p>
12	<p>Any software or hardware component required for proper functioning of the HDR system which may be overlooked in the specification should be supplied by the vendor without any additional cost.</p>
13	<p>Turnkey Work:</p> <p>The Brachytherapy Bunker and Brachytherapy Minor OT rooms will be provided in raw state. The vendor should inspect the rooms and provide the necessary turnkey work including plastering, tiles, tables, furniture for computers, monitors, printer and TPS equipments and connecting electrical/network cables/wires and sockets, painting, doors and providing of chairs, Air Conditioner in both Brachy room and Brachy minor OT (If required for temperature and Humidity control)</p> <p>The vendor should also provide necessary cupboards and shelves for storing Brachytherapy and QA equipments/accessories and all other OT accessories.</p> <p>The material used should be a standard make and model as shown in the table below.</p> <p>The scope of work for turnkey will include the following rooms:</p> <ol style="list-style-type: none"> HDR Brachytherapy Room With Co-60 Source. HDR Brachytherapy Control Room. TPS room
A	<p>Walls:</p> <p>All walls should be cement plastered 15 mm thickness including two coats of plastic emulsion paint for interior walls over two coats of wall putty and weather shield paint for exterior walls over cement primer. Tiles to be provided in toilets areas and other areas as specified.</p>
B	<p>Window/Clerestory Window (If any): As per Architectural design with aluminium windows and necessary fittings.</p> <p>Door: Aluminium framed with prelaminated Board/Glass/factory made panelled/flush doors with necessary fittings.</p> <p>Brachytherapy room door as per necessary shielding requirement.</p>
	<p>Misc: RCC chajja, grills in windows and clerestory windows</p>
	<p>Construction / modification work including construction of brick wall if any, plastering, flooring as per the approved plan and equipment layout plan.</p>
	<p>Construction renovation/ modification demolition, exaction, filling work including construction of full or half brick wall if required, plastering, flooring as per the approved plan and equipment layout plan. Necessary openings/ niches/ cutouts, wherever required as per drawings and asked for by the Engineer-In-Charge, shall be provided by the contractor without any extra cost.</p>
	<p>Making surface good for floor modification for installing the HDR Brachytherapy Unit.</p>
	<p>Cable tray, trench & channel – necessary trenches, cable tray and channels at required locations.</p>
C	<p>Flooring:</p> <p>600 x 600 mm vitrified tiles with 100mm tile skirting to match in LINAC room , Control room, lobby and patient preparation areas, Consultant's room, TPS room, etc.</p> <p>50 mm thick cement concrete flooring with Vinyl flooring in all the rooms including equipment room.</p>

Store & Procurement Officer
NEIGRIHMS Shillong-18

	<p>Note: Providing and laying approved quality, colour, design and shade fully homogeneous 600 x 600mm (thickness to be specified by the manufacturer) Vitrified tile flooring (Marbonite or Granamite, confirming to IS code 15622 with water absorption less than 0.08%) flooring in pattern as detailed in drawing or as directed by the EIC and grouted with matching colour approved quality readymade grout, curing, cleaning, etc. to required line level etc. all complete at all leads, lifts and heights to the entire satisfaction of the EIC. Providing and fixing 2-3mm thick POP protection over polythene covering sheet to flooring areas till handed over and cleaning, etc. all complete as per drawings & specification and as directed by EIC with 100mm tile skirting to match in Brachytherapy room, control room, and all relevant rooms. Mode of measurement (finished surface area of the tiles shall be measured and paid. Rate shall be inclusive of providing and laying levelling course, PVC spacers, providing and applying epoxy grout and no additional payment shall be made for wastage. 50 mm thick cement concrete flooring at all heights and locations including scaffolding, preparing the surfaces, neat cement finishing to correct line or as required to receive architectural finish, level and plumb, curing wherever required complete as per specifications and drawings, with Vinyl flooring in Brachytherapy equipment and all relevant rooms. It should be made rodent/pest proof as in conjunction to the entire complex.</p>
D	<p>Painting: Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in all areas except Brachytherapy Room. Brachytherapy Room Walls – High quality High density Vitrified Tiles clad on the side walls up to false ceiling.</p>
E	<p>False Ceiling: Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. Finished with white paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances. All materials to be used in works shall conform to Indian Standards specification as published by ISI from time to time/as approved by the Department. All works are to be carried out as per the applicable IS code of practice.</p>
F	<p>Plumbing: All water pipes and fittings shall be of high density polythene of approved and standard make. The gratings shall be brass chrome plated. All plumbing accessories should be of standard make.</p>
	<p>Note: All sanitary wares & CP brass fitting & fixtures shall be of first quality with ISI mark (unless otherwise specified) and shall be of the make as per the latest approved list of materials as per list of approved make/model, if any. They shall be got approved by the Engineer-in-charge before incorporating in the work. All the items include testing after completion of the work. Concealed/underground GI pipe line is to be wrapped with hessian cloth and painted with two coats of anticorrosive paint.</p>
G	<p>Furniture:</p>
	<p>Chairs: revolving chairs 4 nos. for monitors, console, computers, TPS, etc. should be provided.</p>
	<p>Cupboards: necessary and sufficient cupboards for HDR Brachytherapy Treatment Room & Control Console Room for keeping all QA Equipments, Brachytherapy accessories like Transfer tubes, Templates, needles, etc. should be provided. Cupboards in the Brachytherapy Minor OT, OT Equipment & Scrub and Changing Rooms for safe keeping of all OT Equipments and accessories should be provided.</p>
H	<p>Electrical Work:</p>
	<p>Internal Electrical Wiring: FRLS wires of copper conductor of different capacity as per the load should be used.</p>
	<p>General Lightings: Mirror optical type CFL of 1x28 W & 2x36 W & 2x36 W with electronic ballasts. LED lighting of 6-22 W. Note: All electrical items such as switches, plug sockets, etc. should be of modular type make of reputed manufacturer as listed in the table below.</p>
	<p>List Of Items are from reputed Manufacturers/Brands:</p>

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BEBIG Medical GmbH
Robert-Rössle-Str. 10, 13125 Berlin, Germany

Name: Donny Li
Department: Sales & Marketing

To,
The Director
North Eastern Indira Gandhi Regional Institute
of Health and Medical Sciences,
Director's Block, Mawdiangdiang,
Shillong 793 018 (MEGHALAYA)

Telephone: +49 (30) 941084-420
Fax: +1 650968028
Mobile: donny.li@beregmedical.com
E-mail:

Your letter of
Our reference
Date: 24th February 2022

Bid Reference: BID NUMBER: GEM/2022/B/1918019 DT. 03.02.2022

Item Category: HDR Brachytherapy Unit (C-80) with Accessories and Turnkey Work

Dear Sir,

We M/s BEBIG Medical GmbH, Robert-Rössle-Straße 10, 13125 Berlin, Germany having exclusive global marketing rights from M/s Eckert & Ziegler BEBIG Germany who are proven and reputable manufacturers of HDR Brachytherapy Unit having factories at Robert-Rössle-Straße 10, 13125 Berlin, Germany do hereby authorize our distributor M/s KUK MEDSOLUTIONS, Address :21, Chawla Complex A-215, Shakarpur, Vikasmarg Delhi 110092, India to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred Bid / TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than M/s KUK MEDSOLUTIONS, Address :21, Chawla Complex A-215, Shakarpur, Vikasmarg Delhi 110092, India is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred Bid / TE documents for the above goods manufactured by us.

We also hereby extend our full warranty, CMC as applicable as per clause of the General Conditions of Contract, read with modification, if the Special Conditions of Contract for the goods and services offered for supply by the above firm against this Bid / TE document.

Our other responsibility include:-

- We undertake that we will provide service/spares/accessories etc. through our agent as per terms and conditions of contract
- We undertake that in case of any change of Dealer / Agent, we will inform the Purchaser about the award of dealership to new agent with address and telephone no.

Yours faithfully,
For and on behalf of M/s Eckert & Ziegler BEBIG Germany



February 23, 2022

With kind regards
Donny Li
Chief Marketing Officer


BEBIG Medical GmbH
Robert-Rössle-Straße 10
13125 Berlin-Germany

Company Address
BEBIG Medical GmbH
Robert-Rössle-Str. 10,
13125 Berlin Germany

Managing Director
Chan Hwang Tong
Johan Lucas Schröder

Competent Court
Amtsgericht Charlottenburg
Reg.-Nr.: HRB 222845 B
UStID: DE 337362191

Bank Account
Bank Name: Berliner Sparkasse
IBAN: DE05 1005 0000 0190 0933 61
SWIFT/BIC: BELADEBEXX



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COMPLIANCE STATEMENT

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TENDER NO: GEM 2022 B 1918019 DT: 03.02.2022

MODEL - MAKE : SagiNova HDR Afterloader system including 2 units of Co-60 source / Eckert Ziegler BEBIG GmbH

Sr. No.	NEIGRIHMS Tender Specifications	VENDOR COMPLIANCE (YES/ NO)	VENDOR TECHNICAL OFFER / REMARKS IF ANY
	Technical specifications for supply, installation & commissioning of HDR Brachytherapy Machine		
	A High Dose Rate (HDR) Brachytherapy (With Co-60 source), state of the art Unit, and the latest model should be supplied meeting the requirement of national and international standards and regulations with state of art hardware and software with state of the art Treatment Planning System (TPS), for doing all types of Brachytherapy Planning and required Applicators and Accessories. Supply is required for the Dept. of Radiation Oncology, NEIGRIHMS, Shillong.	Yes	Eckert & Ziegler BEBIG is a well established manufacturer of HDR Brachytherapy system with Co-60 Source as per the national and international standards. The offered HDR (SagiNova) is capable of performing all type of Brachy application like Intracavitary, Intraluminal, Interstitial and surface mould brachytherapy.
	The unit should be capable of doing Intracavitary, Intraluminal, Interstitial and Surface Mould Brachytherapy.	Yes	The offered SagiNova model is 25 channel machine which can support the planning of 50 channel with its miniaturized stepping source is fully equipped for precise and safe delivering of high dose rate (HDR) brachytherapy to the entire range of irradiation treatments like Intracavitary, interstitial, intra luminal, intra operative and surface mould radiation treatments.
	The technical offer and compliance column with respect to each specification should be filled by the vendor while submitting the bid.	Yes	Yes complete detail is offered
1.	General Specifications:		
	The HDR system should be microprocessor based with PC controlled.	Yes	Yes the offered HDR system based on the latest micro-processor with PC control with latest hard ware and soft-ware
	The HDR unit must be from a well-established company with a documented history of reliability.	Yes	Yes Eckert & Ziegler BEBIG GmbH is a well established isotope manufacturer and offers solution for the brachy-therapy. Eckert & Ziegler BEBIG GmbH develops, produces and sells radioactive radiation sources for medical use, especially for cancer treatment. The major focus of activity is manufacturing implants and medical devices for Brachy therapy.
	Must have a symmetrical source and check cable drive.	Yes	Yes the HDR Brachytherapy have the symmetrical and check cables.
	The HDR system manufacturer should have an (ISO) 9001 FDA certification and must conform to EMC directives. A copy shall be enclosed of the same. It must be AERB approved model.	Yes	Yes the offered model is FDA, CE and ISO Approved. It is also AERB type approved. Copy enclosed
	The height of the device should be adjustable in order to allow easy disconnection of transfer tubes with a patient either seated or on a treatment table. (Deleted as per Corrigendum GEM/2022/B/1918019 C4)	NA	NA
	A single operated quick lock system shall be provided to secure the unit in position when parked or during treatment.	Yes	Yes a lock system is provided in order to secure the unit position in the parking station.
	The HDR system must have a "Check" cable that automatically checks the operation of the complete treatment parameters prior to treatment. The check cable must also be possible to use as a "Dummy" source to allow simulation a particular source locations. (Modified as per Corrigendum GEM/2022/B/1918019 C4)	Yes	Yes, HDR system has check cable that automatically checks the operation of the complete system prior to treatment. The check cable is possible to use as a "Dummy" source to allow simulation of particular source locations. Self test is done prior to every treatment delivery including internal battery status, channel multiplier/indexer position, source/dummy inside/outside safe status, verification of closed end of each applicator before irradiation delivery.



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			positional accuracy & precision, transfer tube coupling, stop conditions
	The system should be in use in renowned centers in India. The tender offer must be accompanied with letters of reference from existing users of the offered products in India.	Yes	The offered is enclosed with the performance certificate from the different user in India along with the list of installation in India.
	The HDR Unit quoted in the tender shall have type approval certificate from the competent authority. A copy of type approval of the same must be enclosed with the offer. UPS, Color CCIX and two way patient communication system must be included with the offer.		
	A couch for application of ICRT/CVS with appropriate fixation device shall be provided. With facility for up-down movement and lock.	Yes	Yes the Brachytherapy couch compatible to C-Arm is also included in the offer
2. Detailed Specifications:			
A. Treatment Unit:			
	Preferably on wheels for easy mobility within the room.	Yes	
	The unit should be capable of adjusting at various heights (Deleted as per Corrigendum GEM/2022/8/1918035-C4)	NA	NA
	Stopper motor to control during check cable and source cable with an accuracy of ± 1 mm.	Yes	The system has a backward stepping movement to protect the stress on the source, with an exceptional accuracy of ± 0.5 mm with great precision controlled by step-per motor
	A safe to contain the source which complies International Safety Regulations.	Yes	The system is provided with tungsten alloy source container where Dose rate in 1m distance for Co-60 = 0.01 mSv/h when the source with full strength is loaded. Radiation Shielding of the system conforms to ICR 601-2-12 and International Safety with less surface dose measurement.
	Unit should have a built-in radiation detector.	Yes	Yes fully complies with the specification. Visual indications are provided with audible sound and indication through the help of the built-in Gamma radiation detector.
	The unit should have a multichannel indicator with at least of 15 channels having automatic optical verification of channel number and applicator/catheter connection.	Yes	The offered SagiNova model is 25 channel machine which can support the planning of 50 channel with its miniaturized stepping source is fully equipped for precise and safe delivering of high dose rate (HDR) brachytherapy.
	The source must be retractable (either by independent motor or manual source retraction) in the event of an emergency power failure.	Yes	The SagiNova HDR system has all the safety features built-in. In case of malfunction of the normal source drive unit, an electrical independent system takes care of the return of the source into the storage container. Moreover, the stop conditions are monitored alternatively and electrical independent as well. In the unlikely event that all safety systems fail, a manual return of source is possible.
	Backup power supply for the unit and console system for at least 1 hour shall be provided.	Yes	Yes Exonail Online UPS has been offered beside built-in UPS.
B. Control Unit:			
	The control console shall consist of a PC including the software for operating the afterloader, a keyboard, a color monitor, mouse, printer, network card, a backup media and a display indicating visual and audio alarms and a laser printer.	Yes	Yes the control console consist of a PC including the software for operating the afterloader, a keyboard, a color monitor, mouse, printer, network card, a backup media and a display indicating visual and audio alarms and a laser printer.
	If communication between control console and afterloader is lost, whether by software or hardware failure, the source shall immediately and automatically be retracted.	Yes	In case of malfunction of the normal source drive unit, an electrical independent system takes care of the return of the source into the storage container. Moreover, the stop conditions are monitored alternatively and electrical independent as well. In the unlikely event that all safety systems fail, a manual return of source is possible.
	The control console and afterloader shall be programmable with information relating to the activity of the installed source, and shall automatically correct all treatment dwell times for radioactive decay of that source.	Yes	Yes the treatment times is automatically corrected for the decay of the source



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The control console shall have a means to access the treatment plan calculated on the treatment planning system via a network and deliver the treatment.	Yes	Yes control console have a means to access the treatment plan calculated on the treatment planning system via a network and deliver the treatment
There shall be a means of programming dwell positions and times directly into the control console. (Deleted as per Corrigendum GEM/2022/8/1918019-C4)	NA	NA
There shall be a means of editing dwell positions and times already loaded into the control console. (Deleted as per Corrigendum GEM/2022/8/1918019-C4)	NA	NA
Dwell times at each dwell position shall be programmable from 0 - 999 seconds with a resolution of 0.1 seconds and an accuracy of ≤ 0.1 second.	Yes	Dwell Time: min 0.001 sec : Maximum 2265 sec 37.75 min is the dwell time per position with the resolution of 0.001 s increments
It shall be possible to program a minimum 40 dwell positions within a channel with a corresponding 2.5/5/10 mm step size.	YES	Max.100 dwell points are supported for a treatment length of 600 mm and a minimum stepping distance of 1 mm and Max up to 10mm
Throughout the treatment, there shall be clear indications at the control console of the state of the treatment in progress, including: <ul style="list-style-type: none"> The channel being treated. Whether the active or dummy cable/wire is extended. The dwell position of the source. The programmed and remaining dwell time for the dwell position. The programmed and remaining dwell time for the treatment channel. The programmed and remaining total dwell time (all channels) Present activity of the source in terms of CI and total RAKR. 	Yes	Yes Throughout the treatment, there will be clear indications at the control console of the state of the treatment in progress, like: <ul style="list-style-type: none"> The channel being treated Whether the active or dummy cable/wire is extended. The dwell position of the source. The programmed and remaining dwell time for the dwell position. The programmed and remaining dwell time for the treatment channel. The programmed and remaining total dwell time (all channels) Present activity of the source in terms of CI and total RAKR
Large patient database should be provided with a backup to an external storage device.	Yes	Yes Large patient database can be stored in the control unit with an external storage device for backup of data.
Control unit should contain a built in log book, and all events should be recorded.	Yes	Yes the control unit contain an in-built logbook, which records all events
C. Radiation Source:		
The radioactive source must be a single Co-60 source of 2CI strength.	Yes	Yes the HDR is offered with Co-60 source with activity (2 CI +/- 10%) and guaranteed 100,000 Source Duty Cycles within the recommended working life time is 5yrs
Active length- 5 mm.	Yes	HDR Co-60 Source Active length is: 5mm
Source Max. Please specify	Yes	The Co-60 Source is having multiple strand with the source size Outer diameter: 1 mm x 5mm length, (Cobalt)
Minimum and maximum treatment length: Please specify	Yes	The Maximum treatment length is 600mm
The source drive out length from the indexer to reach further sites of treatment. Please Specify	Yes	The Max source drive out length from the indexer to reach further sites of treatment is 1400mm
Maximum number of source transfer capacity per source: Please specify	Yes	HDR Co-60 Source guaranteed 100,000 Source Duty Cycles within the recommended working life time is 5yrs
Treatment pathway curvature: Please specify	Yes	The source cable is of Multi strand type and can negotiate treatment curvature of 1 cm radius for 1st 10 cm
Source Cable movement accuracy: Please specify	Yes	The system has a backward stepping movement to protect the stress on the source, with an exceptional accuracy of ± 0.5 mm with great precision controlled by stepper motor
Supply of source: 2nos of Co-60 sources to be used for first 10years	Yes	Yes the 1st Source offered will come along with the HDR Brachytherapy System which includes all the charges like disposal and import charges Yes 2nd Co-60 Source has been offered separately
Source step size: Please specify	Yes	The Min. Step size is 1 mm and Max up to 10mm
Maximum time required to supply the source from the date of placing order: Please specify	Yes	Min 12 to 16 weeks from the receipt of the P.O and the necessary approval whichever is later.
Please mention the number of source transfers tested/possible with the unit both total and per source.	Yes	HDR Co-60 Source guaranteed 100,000 Source Duty Cycles within the recommended working life time is 5yrs



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3 Radiation Safety and QA Package:	Yes	
Within the afterloader phone shall be a radiation detector, which shall give audible and visual warnings at the operator console and the afterloader that radiation is present when the source is extended in normal operation. The same radiation detector shall sound an alarm and will give visible indication radiation is present when it is intended that the source should have returned to the safe.	Yes	Visual indications are provided with audible sound and indication through the help of the inbuilt Gamma radiation detector in the HDR Brachytherapy System. The same radiation detector will also give an alarm and will give visible indication radiation is present when it is intended that the source should have returned to the safe.
A Gamma Zone Monitor with latest calibration certificate shall be provided by the vendor which gives visual and audible warning inside the treatment room and at or near the operator console that radiation is present when the source is extended in normal operation.	Yes	Yes Gamma Zone Monitor with valid calibration certificate will be provided. (Nucleonix).
LMO (Last Man Out) switch shall be provided and installed as per AERB guidelines.	Yes	LMOS is offered. It is integrated in our HDR Brachy system.
A source calibration well type chamber with matched cable and electrometer shall be provided with latest calibration certificate.	Yes	Electrometer with Well type chamber calibrated for Co-60 Source has been offered with all the accessories for doing dosimetry.
Source position accuracy verification tool shall be provided.	Yes	Yes we have automatic length calculation and verification system with our HDR which automatically measure the length and verify for which CCD camera is integrated in our HDR system.
A calibrated contamination monitor shall be provided.	Yes	Nucleonix, Made in India.
A catheter length measurement device shall be available so that any catheter or applicator channel length can be precisely determined.	Yes	We have automatic length measurement and verification system which reduces the manual error to the minimum.
Gafchromic films (100 each).	Yes	Yes offered.
<i>(Modified as per Corrigendum GEM/2022/B/1918019-C4)</i>		
"Emergency container/source container as per AERB norms" should be provided <i>(Added as per Corrigendum GEM/2022/B/1918019-C4)</i>	Yes	Yes Emergency container as per AERB guideline has been offered.
4 Applicators:		
Applicators to be provided for:		
Cervix - CT & MR compatible Fletcher Suit type applicator - 3 sets MR compatible Fletcher Suit type applicator - 1 set <i>(Modified as per Corrigendum GEM/2022/B/1918019-C4)</i>	Yes	Yes offered.
A set of CT compatible MVA applicator set.	Yes	1 set of CT & MR compatible MRAMM applicator offered set.
Central Virtual Source applicator with variable diameter - 3 sets	Yes	Yes 2 set of CT & MR Compatible Central Virtual Source applicator offered.
Intracavitary Brachytherapy applicator for esophagus and bronchus - 2 set each.	Yes	Yes 2 sets of Intracavitary Brachytherapy applicator for esophagus and bronchus offered.
Breast template 3 set	Yes	Yes 3 sets of Breast template offered.
Tongue template 1 set	Yes	Yes 2 sets Tongue template offered.
MULTI template 3 sets	Yes	Yes 2 sets of CT & MR Compatible GYN Applicator offered.
Flexible implant tubes catheter complete set with minimum 500 mm	Yes	Yes 500mm of Flexible implant tubes catheter offered.
Guide wires 2 sets	Yes	Yes offered.
Connecting tubes for various applicators	Yes	Yes offered.
CT compatible Interstitial Markers set <i>(Modified as per Corrigendum GEM/2022/B/1918019-C4)</i>	Yes	Yes offered.
A set of Brachytherapy Interstitial needles of 10cm, 15 cm and 20 cm and others please specify.	Yes	A set of Brachytherapy Interstitial needles of 10cm, and 20 cm is offered.
All the applicators for brachytherapy (Intracavitary, Interstitial etc.) should be reusable multiple times and the method of sterilization for repeat use should be mentioned clearly for each. <i>(Added as per Corrigendum GEM/2022/B/1918019-C4)</i>	Yes	Yes the offered applicators for brachytherapy (Intracavitary, Interstitial etc.) is reusable for multiple times.



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5	Accessories:		
A	A closed-circuit color TV system with two TV monitors and 2 cameras. One wide angle & one remote control with remote zoom & focus facility in the HDR Brachytherapy treatment room shall be supplied.	Yes	Yes Offered
B	A two way patient calling system shall be supplied	Yes	Yes offered
C	3 patient trolleys with water resistant cushion and 2 wheelchairs with water resistant cushion for patient shifting	Yes	Yes offered
6	C-Arm:	Make/ Model	ALLENGERS HF-59 PLUS (High Frequency C-Arm Machine, 9" ITV, 21" Medical Display Monitors (2 units) and Accessories):- Offered unit is a High Frequency Mobile C-Arm unit with 9" image intensifier for application in all Radiology Interventional procedure Orthopedics, Urology, Surgical procedures and all other surgical applications.
	Vendor shall provide a C-ARM (AERB Type Approved) for imaging which shall be installed in house with. (Modified as per Corrigendum GEM/2022/B/1918019-C4)	Yes	Offered unit is approved by Atomic Energy Regulatory Board (AERB) for radiation safety. (Copy of AERB certificate is enclosed)
	Brachy couch or Table for imaging with DICOM image transfer capability to TPS. (Modified as per Corrigendum GEM/2022/B/1918019-C4)	Yes	Unit is compatible to install in-house with the Brachy couch or Table for imaging with DICOM image transfer capability to TPS.
	The System shall meet the following technical requirements:	Yes	Offered System meets the following technical requirements
1.	High frequency X ray generator capable of at least 40 to 110 KV	Yes	High frequency X-Ray generator capable to deliver the KV in range of 40 to 120 KV. (Better Specs)
2.	X-ray tube should have dual focus spot	Yes	Monoblock version X-Ray Tube head consists of dual focus stationary anode X-Ray tube having dual focal spots. Small focus: 0.6 mm Large focus: 1.5 mm
3.	Imaging detector type/image intensifier type/size: please specify (Modified as per Corrigendum GEM/2022/B/1918019-C4)	Yes	9" Triple field image intensifier: Zoom1: 9", Zoom2: 6", Zoom3: 4.5"
4.	Fluoroscopy/Radiography capability including foot / hand switch for remote operation i.e. from Brachytherapy console room (Modified as per Corrigendum GEM/2022/B/1918019-C4)	Yes	Fluoroscopy capability including foot switch for remote operation i.e. from Brachytherapy console room. Cassette exposure Radiography mode is available.
5.	Last image hold capability.	Yes	Last image hold capability is available
6.	Cassette exposures should be available	Yes	Cassette exposure mode is available.
7.	Gantry with optional isocentric rotation.	Yes	We shall offer non iso centric.
8.	Orbital movement of at least 120° (-30° to +90°) or rotation of at least +/- 180° (if isocentric).	Yes	Orbital movement 120° (-30° to +90°) Rotation: +/- 180°
9.	Motor driven vertical travel: greater than or equal to 40 cm.	Yes	Motorized vertical up/down movement: 43 cm (Better specs)
10.	Horizontal travel: greater than or equal to 20 cm.	Yes	Horizontal movement: 21 cm. (Better specs)
11.	Focus-image receptor distance greater than or equal to 80 cm.	Yes	Focus image receptor (Source to image) distance 97 cm. (Better specs)
12.	Free space greater than or equal to 78 cm.	Yes	Free space: 78 cm.
13.	A braking system for gantry control.	Yes	Foot operated lock, to lock over all machine and manual locks will be provided to lock the positions of "C"
14.	DICOM interface for digital networking of images (transfer of digital images to brachytherapy treatment planning system).	Yes	DICOM Interface for digital networking of images Image transfer to any DICOM 3.0 device
15.	In addition to hard disk image storage capabilities, the system should also have USB and DVD storage possibilities.	Yes	Hard disk image storage capabilities and USB storage (pen drive facility) and CD/DVD read/write storage facility is available.



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16. 02 units of 21" High Resolution medical grade Monitors mounted on mobile trolley should be provided	Yes	02 units. 21" High Resolution medical grade Monitors mounted on mobile trolley is provided.
<i>(Modified as per Corrigendum GEM/2022/3/1918019-C4)</i>		
17. Accessories: Lead goggles 4 sets.	Yes	Following accessories will be supplied along with the unit 04 Nos. of lead goggles.
Lead apron 4 sets. Sterile cover 2 sets.	Yes	04 Nos. of lead aprons. 02 Sets of sterile covers.
18. A complete set of diagnostic QA kit for performing periodic quality assurance as per AERB guidelines.	Yes	Radiation QA Kit for C-arm shall be provided
19. C-arm should be mobile to move in and out of room when required.	Yes	Mobile C Arm to move in and out of room when required.
7. Treatment Planning System		
A dedicated treatment planning system (TPS) for the afterloader shall be offered ideally, the planning workstation will have additional functional capabilities, which should be described.	Yes	Yes a dedicated TPS has been offered (Sagiplan) for the afterloader system.
The treatment planning system should be fully computerized, integrated system having hardware and software to perform all kinds of 3D Brachytherapy planning calculation, isodose plotting, display of patient files, beam data acquisition and display, and other related programs. The planning system should be able to transfer the plan directly through network to execution to the independent HDR unit control computer linked to it.	Yes	Yes the offered HDR Brachytherapy system has a separate TPS "Sagiplan" which has both 2D & 3D Treatment planning. The TPS is connected to the control computer through network for transferring the plan to the control computer and to HDR. The TPS is fully computerized, integrated system having Hardware and software to perform all kinds of brachytherapy planning calculations, isodose plotting and display of patient files and other related programs.
A. Hardware:		
High end graphics workstation consisting of	Yes	The treatment planning system has a separate a separate computer for addition to the control of the HDR Brachytherapy machine along with following detail configuration: - modern graphics workstation working min 2.4 GHz speed with CPU.
Multi-color inkjet printer/plotter to print various data (isodose curves for A4 format, or equivalent if cartridge shall be provided)	Yes	Yes Laser Printer has been offered
Min 22" color TFT Flat screen	Yes	TPS Computer is provided with two monitor Flat Screen
<i>(Modified as per Corrigendum GEM/2022/3/1918019-C4)</i>		
There shall be a means by which treatment dwell positions and times calculated on the treatment planning computer can be transferred to the control console of the afterloader.	Yes	Yes the TPS has DICOM 3 and DICOM RT for image transfer and structures from CT-Scanner and other planning system. These images can also be transferred through External memory device as well like pen drive, CD.
A scanner with good resolution should be provided.	Yes	Yes offered
An external hard drive (THD) shall be provided for patient data storage (Archive Retrieval)	Yes	Yes offered.
B. Software:		
The following software features and performance standards shall be required.	Yes	
Image input	Yes	Through DICOM and external memory device.
Dose calculation should be based on AAPM TG-43	Yes	Yes the dose calculation is based on AAPM TG-43
Transferring CT, MRI or US scanner patient image data from film scanner and subsequent generation of 3D image data set.	Yes	Yes if possible through scanner but transferring the image through network is preferred
Transferring CT, MRI or US scanner patient image data directly, using DICOM 3 or CART image formats.	Yes	Yes, Transferring CT, MRI or US scanner patient image data directly, using DICOM-3 or CART image formats is possible
DICOM RT shall be included	Yes	Yes, DICOM RT is included
Catheter Application map	Yes	Yes Catheter / Applicator input is possible
Catheter applicator structure definition on monitor	Yes	Yes Catheter / applicator structure definition with mouse on monitor is possible
Catheter / applicator position data input from keyboard and film digitizer tablet	Yes	Yes Catheter / applicator position data input from keyboard and film digitizer tablet is possible

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Assistance for identification of the catheter / applicator position defining points with a projection line	Yes	Yes assistance for identification of the catheter / applicator position defining points with a projection line is possible
Automatic reconstruction of metal needles / applicators or plastic catheters in CT data sets.	Yes	Yes Automatic reconstruction of metal needles / applicators or plastic catheters in CT data sets is possible
Needle position definition using a template	Yes	Yes it is possible to define the needle position using template
Catheter / applicator reconstruction in 3D space from: <ul style="list-style-type: none"> • Orthogonal Films • Semi orthogonal films • Stereoshift films • Using jig reconstruction • Variable angle 	Yes	Catheter / applicator reconstruction in 3D space from: <ul style="list-style-type: none"> • Orthogonal Films • Semi orthogonal films • Stereoshift films • Using jig reconstruction • Variable angle Is possible
Catheter / applicator reconstruction in 3D space from 3D image data from: <ul style="list-style-type: none"> • CT Scanner • MRI Scanner • US Scanner 	Yes	Yes the Catheter / applicator reconstruction in 3D space from 3D image data from: <ul style="list-style-type: none"> • CT Scanner • MRI Scanner • US Scanner Is possible
System must allow applicator defining points to be entered in a transverse plane or any other plane reconstructed from the data set	Yes	Yes the System allow applicator defining points in a transverse plane or any other plane reconstructed from the data set
Image processing manipulation	Yes	Yes possible
Anatomical structure definition / patient outlining	Yes	Yes Anatomical structure definition / patient outlining is possible
Reconstruction of 3 dimensional models of anatomical structures based on 3D data sets from CT, MRI and Ultrasound scanners.	Yes	Reconstruction of 3 dimensional models of anatomical structures based on 3D data sets from CT, MRI and Ultrasound scanners is possible
Planning tools	Yes	<p>The 3D SagiPlan HDR planning program with lots of new features and tools. The program automatically optimizes dwell times and positions for applicators in the treated volume including:</p> <ul style="list-style-type: none"> -Intracavity -Interstitial -Intracavitary -Surface moulds applications <p>Sufficient Feature of the system:</p> <ul style="list-style-type: none"> • Windows based system with intuitive graphics interface for easy planning. • It supports auto placement for applicators and has features included like dose shaping, extensive reporting- easy user interface. The calculations are conforming to the TG43. • The TPS is capable of generating advanced DVH, inverse planning and different methods of optimization of the treatment plan for higher channels. • The offered system has the facility for the DICOM link with X-RAY Simulator, CT/MR, fusion and auto contouring of the organs etc. included - The software is provided with all passport / license. - TPS is capable of RT dose fusion with EBRT plans and showing plan sum of EBRT and BT - TPS have plan normalization functions such as specific isodose coverage to specific volumes in the planning images, normalization on a point etc. - the options is available to create new and customizes presets for plan evaluation.
Rapid reconstruction of catheter using tracking algorithm and indication of corresponding on the image should be present	Yes	<p>Yes, A Rapid Reconstruction of Catheter from a complete applicator database software which can select applicators and place them directly on the CT/MR images is offered.</p> <p>Automatic applicator reconstruction identifies implanted breast needles and visualizes them in 3D in order to simplify the treatment is also offered</p>
Ability to do non-linear optimization	Yes	Yes offered
Ability to do optimization with constraints	Yes	Yes offered



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Resolving of the dose distribution with a common factor	Yes	Yes available
Combine Brachytherapy plan with external beam plan	Yes	Yes Unique plan summation option for BT & External beam DVH parameters is available
Cumulative and Differential dose volume histograms	Yes	Yes offered
Multiple plan comparison	Yes	Yes possible
C. Networking:		
The TPS should be connected to the entire HDR Brachytherapy Unit, C-Arm & Ultra Sound Unit, CT-Simulator/CT-Scan and MRI machine in NEIGRIHMS.	Yes	Yes the complete network will be done at the time of installation provided the vendors from the other company should share the necessary information required to do networking.
8 Training for Radiation Oncologists and Medical Physicist:		
Vendor offer shall include training based on the following:		
On-site working one-week training for Oncologist and Medical physicist shall be offered. Emphasis shall be on practical hands-on training.	Yes	Yes working one-week training for Oncologist and Medical physicist will be given including the hands on training.
During the on-site training, training for the Oncologist shall include treatment planning on the planning system, knowledge and handling of the applicators ordered and emergency and safety procedures.	Yes	Yes during the on-site training, training for the Oncologist will include treatment planning on the planning system, knowledge and handling of the applicators ordered and emergency and safety procedures.
Training for the Medical Physicist shall include operation of the afterloader, dosimetry of the Co-60 source, quality assurance, treatment planning on the treatment planning system, knowledge and handling of the applicators ordered and emergency and safety procedures.	Yes	Yes Training for the Medical Physicist will include operation of the afterloader, dosimetry of the Co-60 source, quality assurance, treatment planning on the treatment planning system, knowledge and handling of the applicators ordered and emergency and safety procedures.
1 week training for one radiation oncologist and one medical physicist at a reputed center in India with similar installation.	Yes	Yes 1 week training for one radiation oncologist and one medical physicist at a reputed center in India with similar installation will be provided.
On-site training for C-arm and USG operations to the radiation professionals	Yes	On-site training for C-arm operations to the radiation professionals will be provided
The vendor shall agree to have a medical physicist on site at the hospital to support for first patient treatment on receiving commissioning approval from AERB.	Yes	Yes we agree to support the Hospital for first patient treatment on receiving commissioning approval from AERB and there after as well.
9 Warranty and Service Support:		
A. Warranty: 5 Yrs. (Inclusive of all components) Up-time guarantee of 95% or more should be provided during warranty and CMC period. The firm will be required to guarantee that during the warranty period as well as during the service contract period, the equipment will be maintained in good working condition for a period of 347 days out of a period of 365 days (i.e. 95% uptime). 8 hours non-functioning of the equipment may be considered as one day down time. Essential period to shut down the installation entirely or partially shall also be included in the down time while calculating the 95% guaranteed uptime. This guaranteed uptime shall be calculated for each block of 365 days. (Added as per Clarification GEM/2022/8/1918019-C4)	Yes Explained	5 years of warranty period offered including all the component and the service but the Warranty/ service contract does not include any type of consumables. Visit in the warranty period shall be as & when required. Any compulsory preventive maintenance visit requirement is not recommended by OEM. In CMC there shall be 01 compulsory visit per Annum.
B. Service and Support:		
The vendor must ensure technical support and spare parts for another 10 Yrs after the expiry of 5 Yrs. warranty period.	Yes Explained	Yes, we confirm technical support and spare parts for another 10 yrs after the expiry of 5 Yrs. warranty period provided AERB gives approval to use the system for more than 10 years as the HDR life is considered to be 10 years only. After 10 years every year the condition of the HDR will be evaluated by the certified technical team of the company. Based on the report from the technical team, the renewal of the contract will be carried out.
The installation and servicing of the offered HDR Brachytherapy system shall be through a factory trained service engineer.	Yes	Yes, the installation and servicing of the offered HDR Brachytherapy system will be done through a factory trained service engineer.
Service contract shall include on-site service of hardware and software, source replacement, preventive maintenance and software updates for the system as purchased.	Yes	The Service contract will include on-site service of hardware and software, preventive maintenance and software updates for the system as purchased but the Source replacement and any consumables is not the part of the service contract.
In order to facilitate exchange of information, the vendor shall submit a complete user list of systems equivalent to that offered.	Yes explained	Yes the user list of India user of the offered model is enclosed

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The vendor shall maintain an application support system whereby customers have access to a toll-free phone line.	Yes explained	Yes 24x7 Toll free no. is available for any type of technical support.
Factory trained service engineer/ application specialist should be available to look after the installation and maintenance of the system.	Yes explained	Yes Factory trained and AFRB certified service engineer/ application specialist is available to look after the installation and maintenance of the system.
The service engineer must attend the machine within 8 hrs of information of machine breakdown and should take all efforts to make functional as early as possible. (Added as per Corrigendum GEM/2022/8/1918019-C4)	Yes explained	The demography of the Hospital is such that, practically it is not possible to reach at the installation site within 8 hours from the time the complaint is lodged, but we assure you that our technical team will reach on site to attend the call in the lowest possible time as per the situation.
Penalty: 1. In case down time is more than 5% penalty @ rate of 0.5% of performance security per week of part thereof will be imposed. (Added as per Corrigendum GEM/2022/8/1918019-C4)	Yes explained	We do except the penalty in term of time period i.e 12. For every one day break down we will offer 2 days extra extension of the warranty / service contract.
10 (Optional Item):	Not offered	Not offered
11 Any software or hardware component required for proper functioning of the HDR system which may be overlooked in the specification should be supplied by the vendor without any additional cost.	Yes	Noted
12 Turnkey Work: The Brachytherapy Bunker and Brachytherapy Console room will be provided in raw state. The vendor should inspect the rooms and provide the necessary turnkey work including plastering, tiles, tables, furniture for computers, monitors, printer and UPS equipments and connecting electrical network cables/wires and sockets, painting, doors and providing of charts. Air Conditioner in both Brachy room and Brachy Console (for temperature and Humidity control). The vendor should also provide necessary cupboards and shelves for storing Brachytherapy and QA equipments accessories. The material used should be a standard make and model as shown in the table below. The scope of work for turnkey will include the following rooms: a. HDR Brachytherapy Room With Co-60 Source. b. HDR Brachytherapy Control Room. (Modified as per Corrigendum GEM/2022/8/1918019-C4)	Yes	
Construction/modification work including construction of brick wall if any, plastering, flooring as per the approved plan and equipment layout plan. Construction renovation/modification demolition, erection, filling work including construction of full or half brick wall if required, plastering, flooring as per the approved plan and equipment layout plan. Necessary openings/niches/cutouts, wherever required as per drawings and asked for by the Engineer In Charge, shall be provided by the contractor without any extra cost. Cable tray, trench & channel-necessary trenches, cable tray and channels at required locations. (Added as per Corrigendum GEM/2022/8/1918019-C4)	Yes	
Walls: All walls should be cement plastered 15 mm thickness including two coats of plastic emulsion paint for interior walls over two coats of wall putty and weather shield paint for exterior walls over cement primer. Tiles to be provided in toilets areas and other areas as specified.	Yes	



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Window/Clerestory Window (If any): As per technical design with aluminium windows and necessary fittings.	Yes	
B. Door: Aluminium framed with pre-laminated Board/Glass factory made paneled flush doors with necessary fittings. Brachytherapy room door as per necessary shielding requirement.	Yes	
Misc: RCC chajja, grills in windows and clerestory windows	Yes	
Construction / modification work including construction of brick wall if any, plastering, flooring as per the approved plan and equipment layout plan.	Yes	
Construction renovation/ modification demolition, excavation, filling work including construction of full or half brick wall if required, plastering, flooring as per the approved plan and equipment layout plan. Necessary openings, niches, cutouts, wherever required as per drawings and asked for by the Engineer-In-Charge, shall be provided by the contractor without any extra cost.	Yes	
Making surface good for floor modification for installing the HDR Brachytherapy Unit.	Yes	
Cable tray, trench & channel - necessary trenches, cable tray and channels at required locations.	Yes	
C. Flooring: 600 x 600 mm vitrified tiles with 100mm tile skirting to match in LIXA room, Control room, lobby and patient-preparation areas, Consultant's room, TPS room, etc. 50 mm thick cement concrete smooth finish floor topping with Vinyl flooring of standard quality in all the rooms including equipment room and all relevant rooms. (Modified as per Corrigendum GEM/2022/B/1918019-C4)	Yes	
Note: Providing and laying approved quality, colour, design and shade fully homogeneous 600 x 600mm (thickness to be specified by the manufacturer) Vitrified tile flooring (Marbonite or Grammate, conforming to IS code 15622 with water absorption less than 0.08%) in pattern as detailed in drawing or as directed by the IIC and grouted with matching colour approved quality ready-made grout, curing, cleaning, etc. to required line level etc. all corners at all levels, lifts and heights to the entire satisfaction of the IIC. Providing and fixing 25mm thick POP protection over polythene covering sheet to flooring areas till handed over and cleaning, etc. all complete as per drawings & specification and as directed by IIC with 100mm tile skirting to match in Brachytherapy room, control room, and all relevant rooms. Mode of measurement (finished surface area of the tiles shall be measured and paid. Rate shall be inclusive of providing and laying levelling course, PVC spacers, providing and applying epoxy grout and no additional payment shall be made for wastage. 50 mm thick cement concrete flooring at all heights and locations including scaffolding, preparing the surfaces, neat cement finishing to correct line or as required to receive architectural finish, level and plumb, curing wherever required complete as per specifications and drawings, with Vinyl flooring in Brachytherapy, equipment and all relevant rooms. It should be made rodent pest proof as in conjunction to the entire complex.	Yes	
D. Painting & Tiling on Walls Tiles (Premium quality) to be provided in Brachy Room and Console Room and other areas as specified upto false ceiling (Add: Modified as per Corrigendum GEM/2022/B/1918019-C4) Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in all areas except Brachytherapy Room if needed	Yes	Interior Paint. We are providing premium acrylic emulsion paint.

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5/11/2023

<p>False Ceiling: Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling.</p> <p>Finished with white paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances.</p> <p>All materials to be used in works shall conform to Indian Standards specification as published by ISI from time to time as approved by the Department. All works are to be carried out as per the applicable IS code of practice.</p> <p><i>(Deleted / Modified as per Corrigendum GEM/2022/B/1918019-C4)</i></p>	Yes	False ceiling. We are providing Gypsum plasterboard.
<p>Plumbings:</p> <p>All water pipes and fittings shall be of high density polythene of approved and standard make. The fittings shall be brass chrome plated. All plumbing accessories should be of standard make.</p>	Yes	
<p>Note:</p> <p>All sanitary wares & CP brass fitting & fixtures shall be of first quality with ISI mark (unless otherwise specified) and shall be of the make as per the latest approved list of materials as per list of approved make/model, if any. They shall be got approved by the Engineer-in-charge before incorporating in the work.</p> <p>All the items include testing after completion of the work. Concealed underground (d) pipe line is to be wrapped with hessian cloth and painted with two coats of anticorrosive paint.</p>	Yes	
G Furniture:	Yes	
Chairs: revolving chairs 4 nos. for monitors, console, computers, TPS, etc. should be provided.	Yes	
<p>Cupboards: necessary and sufficient cupboards for HDR Brachytherapy Treatment Room & Control Console Room for keeping all QA Equipments, Computers at Console Brachytherapy, accessories like Transfer tubes, Templates needles etc should be provided.</p> <p><i>(Modified as per Corrigendum GEM/2022/B/1918019-C4)</i></p>	Yes	
H Electrical Works:	Yes	
<p>Necessary Electrical work/earthing work should be completed as per equipment requirement, air conditioning work and D I C O M connectivity to present TPS room/Brachy room/CT simulator room/MRI room etc. at RCC</p> <p><i>(Added as per Corrigendum GEM/2022/B/1918019-C4)</i></p>	Yes	
<p>Internal Electrical Wiring: FRLS wires of copper conductor of different capacity as per the load should be used.</p> <p>General Lightings: Mirror optical type CFL of 1x28 W & 2x36 W & 2x36 W with electronic ballasts, LED lighting of 1x22 W.</p> <p>Note: All electrical items such as switches, plug sockets, etc. should be of modular type make of reputed manufacturer as listed in the table below.</p>	Yes	
List of Items are from reputed Manufacturers/Brands: Annex attached	Yes	

Notes:

1. Please Refer to Page No. 82 – 85 : for List of Item Offered
2. Please Refer to Page No. 33-35 : for Payment & others related terms.
3. Refer Price Bid: In case of DBP offer in INR we don't split the price into products cost and ICT charges, but as per GEM's price bid format we have split the price as above. Hence, the total price would be product cost + ICT charges as complete offer excluded CMC.
4. Also note as per price bid format our product doesn't fall in GST Cess 1% slab as our product fall under GST @ 18%.

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Store & Procurement Officer
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Contract



Contract No: GEMC-511687734947149

Generated Date: 21-Nov-2022

Bid/RA/PBP No.: GEM/2022/B/1918019

Organisation Details

Type: Central Autonomous
Ministry: Ministry of Health and Family Welfare
Department: Department of Health and Family Welfare
Organisation: North Eastern Indira Gandhi Regional Institute of Health and
Name: Medical Sciences (NEIGRIHMS)
Office Zone: Neigrihms, Shillong

Buyer Details

Designation: Stores and Procurement Officer
Contact No.: 0364-2539032-213
Email ID: harendra.dey@nic.in
GSTIN: N
Address: P.O. NEIGRIHMS, Mawdiangdiang, Shillong,
EAST KHASI HILLS, MEGHALAYA-793018, India

Financial Approval Detail

IFD Concurrence: Yes
Designation of Administrative Approval: Director, F.No.NEIGR/S&P/R-02/2017-18/Pt,CDN-C-396/22-23.02/11/2022
Designation of Financial Approval: DDA & DFA, Approved vide IF.No.U-12012/40/2021-NE,dated 13/10/2022, CDN-C-421/22-23.02/11/2022-SITC w.e.f. AERB
Approval: Approval Date

Paying Authority Details

Payment Mode: Offline
Designation: A Accounts officer
Email ID: accounts.neigrihms@nic.in
GSTIN: N
Address: P.O. NEIGRIHMS, Mawdiangdiang, Shillong,
KHASI HILLS EAST, MEGHALAYA-793018, India

Seller Details

GeM Seller ID: 2CC8180000319415
Company Name: KUK MEDSOLUTIONS
Contact No.: 09311866500
Email ID: kuk@kukmedsolutions.com
Address: 1ST FLOOR, 21, CHAWLA COMPLEX, A-215, SHAKARPUR,VIKAS MARG,,SHAKARPUR,
East Delhi, DELHI-110092, -
MSME verified: No
MSME Registration number: -
GSTIN: 07ALZPB0273E1Z5

*GST / Tax invoice to be raised in the name of - Buyer

Product Details

#	Item Description	Ordered Quantity	Unit	Unit Price (INR)	Tax Bifurcation (INR)	Price (Inclusive of all Duties and Taxes in INR)
1	Product Name : HDR BRACHYTHERAPY UNIT (CO-60) WITH ACCESSORIES AND TURNKEY WORK Brand : ECKERT & ZIEGLER BEBIG GmbH Brand Type : Unbranded Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM Category Name & Quadrant :HDR BRACHYTHERAPY UNIT (CO-60) WITH ACCESSORIES AND TURNKEY WORK (Q3) Model : SAGINOVA HSN Code : HSN not specified by seller	1	pieces	44,932,626	GST (18%) : 6,796,531.513 GST Cess 1 (1%) : 377,585.084 GST Cess 2 (1 per accounting unit) : 1 Input Tax Credit (ITC) on GST : - ITC on GST Cess 1 : - ITC on GST Cess 2 : -	44,932,626
2	Product Name : ICT charges for HDR Brachytherapy Unit(C-60) with Accessories and turnkey work Brand : NA Brand Type : Unbranded Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM Category Name & Quadrant :Addn Services for bid (Q3) Model : ICT HSN Code : HSN not specified by seller	1	pieces	4,992,514	GST (18%) : 755,170.034 GST Cess 1 (1%) : 41,953.891 GST Cess 2 (1 per accounting unit) : 1 Input Tax Credit (ITC) on GST : - ITC on GST Cess 1 : - ITC on GST Cess 2 : -	4,992,514
Total Order Value (in INR)						49,925,140

Consignee Detail

S.No	Consignee	Item	Lot No.	Quantity	Delivery Start After	Delivery To Be Completed By
	Designation: - Email ID:					

Store & Procurement Office
NEIGRIHMS Shillong-18

1	con18.neigrihms.mil@gembuyer.in Contact: 0364-2538044- GSTIN: - Address: P.O. NEIGRIHMS, Mawdiangdiang, Shillong, EAST KHASI HILLS, MEGHALAYA- 793018, India	HDR BRACHYTHERAPY UNIT (CO-60) WITH ACCESSORIES AND TURNKEY WORK	1	21-Nov-2022	21-Mar-2023
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Product Specification for HDR BRACHYTHERAPY UNIT (CO-60) WITH ACCESSORIES AND TURNKEY WORK

Specification	Sub-Spec	Value
Custom Specification	Custom Specification	Yes

Comprehensive maintenance charges for HDR BRACHYTHERAPY UNIT (CO-60) WITH ACCESSORIES AND TURNKEY WORK

Service Year	CMC Percentage	Tax Bifurcation
CMC charges for 1st year after warranty period in % of cost of equipment	3.98%	GST: 18% GST Cess 1: 1% Input Tax Credit (ITC) on GST:- ITC on GST Cess 1:-
CMC charges for 2nd year after warranty period in % of cost of equipment	3.98%	
CMC charges for 3rd year after warranty period in % of cost of equipment	3.98%	
CMC charges for 4th year after warranty period in % of cost of equipment	3.98%	
CMC charges for 5th year after warranty period in % of cost of equipment	3.98%	

Installation Commissioning and Testing (ICT) details for the above item:

% of Product Cost Payable on Product Delivery	90 %
Min Cost Allocation for ICT as a % of product cost	10 %
Number of days allowed for ICT after site readiness communication to seller	10 Days

Seller Specification Document:

1. SpecificationDocument1	mkp.gem.gov.in/catalog_data/catalog_support_document/05/54/106/CatalogAttrs/SpecificationDocument/2022/3/7/2022_03_07_15_53_12_techupload_2022-03-07-15-53-16_b80d6533583b637eab30a57a458d24ee.pdf
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Buyer Specification Document:

1. SpecificationDocument	mkp.gem.gov.in/catalog_data/catalog_support_document/buyer_documents/52738/54/78/703/CatalogAttrs/SpecificationDocument/2021/6/22/co-60-hdr-brachytherapy-unit_2021-06-22-18-30-26_ba0a72d01bbb996ec5a313efd1443c46.pdf
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Corrigendum

1. **Extended Upto** : 2022-03-03 20:00:00
2. **GeM-Bidding-Corr-3113752-3.pdf** [click here](#)
3. **GeM-Bidding-Corr-3113752-4.pdf** [click here](#)
4. **Extended Upto** : 2022-03-09 14:00:00
5. **Extended Upto** : 2022-03-24 14:00:00
6. **Extended Upto** : 2022-03-28 14:00:00

Additional Clauses for CMC

- 1.CMC shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warranty. During the CMC period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months or as per user requirement. Cost of consumables shall not be included in CMC.Further there will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- 2.CMC charges to be indicated as percentage of cost of equipment quoted for each year after the warranty period.
- 3.GST shall be included in the CMC Charges quoted.
- 4.Cost of CMC will be added for Ranking/Evaluation purpose with depreciation formula.A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on Net Present Value.
- 5.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user.
- 6.While creating a bid or RA, buyers shall indicate whether CMC is required against Yes/No* options. If CMC Charges are included, an option for number of years for CMC required after the warranty period shall be available.Under this option up to 10 years can be chosen for CMC charges beyond warranty period.

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7. In case the bid has a provision for CMC, the warranty of the product will also be deemed to have been converted into Comprehensive warranty including preventive maintenance and calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, during the Warranty Period also. Sellers are therefore advised to include the cost of Comprehensive Warranty including spares (excluding consumables) also in product Cost.
8. The CMC functionality shall be available in bid only and no direct RA shall be applicable. In case of bid to R/A decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of products shall not be available while creating bids with CMC charges.

8.1. Buyer shall indicate number of years of warranty by selecting different options available in the field depending on warranty parameter applicable in category parameters for the equipment. No. of years of warranty indicated here shall supersede the warranty period indicated elsewhere in bid or product specifications. The Seller while participating in Bid/RA will get fields to indicate CMC charges as percentage depending on number of years of CMC selected by Buyer. The following shall be applicable, if 5 year CMC selected:

- CMC charges for 1st year after warranty period- Percentage to be indicated- A1
- CMC charges for 2nd year after warranty period- Percentage to be indicated- A2
- CMC charges for 3rd year after warranty period - Percentage to be indicated- A3
- CMC charges for 4th year after warranty period - Percentage to be indicated- A4
- CMC charges for 5th year after warranty period - Percentage to be indicated- A5

Similarly, A6 to A10 are to be indicated for 6th to 10th year of CMC if applicable.

8.2. The calculation of CMC Charges shall take into account the number of years of warranty and duration of CMC as specified while creating bid.

8.3. In the price evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below including CMC and then show the inter-se-ranking of the bidders. The following are the variables.

- (i) Number of years for which CMC required.
- (ii) Number of years of product warranty

The formula for calculating total cost including CMC charges shall be as under:

Total Cost for evaluation=

$C + C * \{ (A1/100)/(1.10^n) + (A2/100)/(1.10^{n+1}) + (A3/100)/(1.10^{n+2}) + (A4/100)/(1.10^{n+3}) + (A5/100)/(1.10^{n+4}) \}$ and so on

C - Cost for equipment quoted and n shall be number of years of product warranty specified.

If 2 year warranty specified, n shall be 2 and if 5 year warranty specified, n shall be 5. A1, A2, A3, A4 & A5 shall depend on how many years CMC selected.

For 3 year CMC, only A1, A2 and A3 factors are to be taken into account and A4 and A5 will not be applicable.

8.4. CMC charges offered for each subsequent year should be same or higher than preceding year.

8.5. The CMC charges shall be offered within range of 3 to 10% of cost of equipment.

9. Since CMC charges are to be paid only later for each year during CMC period, applicable performance guarantee amount after placement of contract shall be based on the cost of equipment excluding the cost of CMC Charges.

10. Performance bank guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable between 2.5% to 5% as specified in bid on total CMC Charges. The PBG submitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due verification. Bank guarantee for CMC is to remain valid till completion of CMC period plus one year. The bank guarantee for CMC shall be submitted to buyer directly. In case, seller fails to submit the PBG or does not provide services for the CMC contract after expiry of warranty period then PBG of equipment shall be forfeited.

11. In case of splitting of order quantity, equipment cost and CMC charges offered by L1 bidder shall be matched by higher quoting eligible bidders on one-to-one basis. The equipment cost and CMC charges (year to year) shall be matched individually.

12. The CMC Contract shall be an offline contract to be handled by buyer. The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user and scope of CMC will be as per para 1 above.

Buyer added Bid Specific Additional Scope of Work

S.No	Document Title	Description	Applicable i.r.o. Items
1	Additional conditions for the contract View	Additional conditions for Brachytherapy contract	HDR Brachytherapy Unit(C-60) With Accessories And Turnkey Work(1)

General Clauses w.r.t RCM/FCM

- Where ever RCM is applicable, for sellers (Regular GST registered seller who opted out of FCM as per notifications of GST like GTA, unregistered seller), Buyer have liability of paying the GST and GST cess to the government on the specified rate mentioned by them in this contract. Seller will invoice buyer with Zero GST and GST cess.
- For Registered sellers as per FCM, rates will be inclusive of prescribed rate of GST and GST cess. ITC available to buyer as shown in the bid document have been applied while evaluating the bids. Seller has liability of paying the GST and GST cess to the govt and same will be charged from buyer while invoice.
- For Registered sellers who opted for RCM while quoting for specified category under section 9(3) like GTA rates will be exclusive of GST and GST cess. GST and GST cess as indicated by the buyer in the bid document payment of GST and GST Cess will be the liability of buyer.
- For Unregistered sellers Liability of payment of GST and GST cess is in Buyers scope. GST and GST cess as indicated by the buyer in the bid document will be the liability of buyer. Unregistered seller will invoice buyer with zero GST and Zero GST cess.
- For sellers under Composition Scheme; There is no liability of payment of GST and GST cess in Buyers cope. Seller will invoice Zero GST and GST cess in the invoice to buyer.

Terms and Conditions

1. General Terms and Conditions-

- 1.1 This contract is governed by the General Terms and Conditions, conditions stipulated to this Product/Service as provided in the Marketplace.
- 1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

2. Buyer Added Bid Specific Terms and Conditions-

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2.1 Experience Certificate for the supply of the same to any Govt/ PSU/ any renowned private organisation along with Supply/ Purchase Order.

2.2 Make in India specific authorisation certificate needs to be enclosed.

2.3 Generic:

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 50 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 50% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2.4 Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

NEIGRIHMS

Bid Number: GEM/2022/B/1918019

Dated: 03-02-2022

Date: 12-02-2022

HDR Brachytherapy Unit Technical Specifications

Addendum/Corrigendum

Sl. No.	Current Specifications:	Point Number as per Tender	Amended Specifications
1	In the GeM Bid Document: HDR Brachytherapy Unit (C-60) with Accessories and Turnkey work.		HDR Brachytherapy Unit (Co-60) with Accessories and Turnkey work.
2	General Specifications: The height of the device should be adjustable in order to allow easy connection of transfer tubes with a patient either seated or on a treatment table.	Main Point No. 1.	Deleted
	The HDR system must have a "Check" cable that automatically checks the operation of the complete prior to treatment.	Main Point No. 1.	The HDR system must have a "Check" cable that automatically checks the operation of the complete treatment parameters prior to treatment.
3	The unit should be capable of adjusting at various heights.	Main Point No. 2. Sub Point A.	Deleted.
	There shall be a means of programming dwell positions and times directly into the control console.	Main Point No. 2. Sub Point No. B.	Deleted.
	There shall be a means of editing dwell positions and times already loaded into the control console.	Main Point No. 2. Sub Point	Deleted.

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		No. B.	
4		Main Point No. 3.	The sentence "Emergency container/source container as per AERB norms should be provided" should be added to Main Point No. 3.
5	EDR3 and Gafchromic films (100 each).	Main Point No. 3.	Gafchromic films (100 no's) should be supplied.
6			The sentence "All the applicators for brachytherapy (Intracavitary, Interstitial etc.) should be reusable multiple times and the method of sterilization for repeat use should be mentioned clearly for each" should be added to Main Point No. 4. Applicators.
	MR compatible Interstitial Markers set.	Main Point No. 4.	CT compatible Interstitial Markers set.
	Cervix - CT compatible Fletcher Suit type applicator - 4 sets.	Main Point No. 4.	Cervix - CT compatible Fletcher Suit type applicator - 3 sets. MR compatible Fletcher Suit type applicator - 1 set.
7	The vendor shall provide a C-ARM (AERB Type Approved) along with a carbon fibre couch for imaging which shall be installed in-house with the HDR unit with DICOM image transfer capability to TPS.	Main Point No. 6.	The vendor shall provide a C-ARM (AERB Type Approved) for imaging which shall be installed in-house with Brachy couch or Table for imaging with DICOM image transfer capability to TPS.
	Imaging detector type/size: please specify.	Main Point No. 6. Sub Point No. 3.	Imaging detector/Image Intensifier type/size: please specify.
	Fluoroscopy/Radiography capability including foot switch for remote operation.	Main Point No. 6. Sub Point No. 4	Fluoroscopy/Radiography capability including foot/hand switch for remote operation i.e from Brachytherapy console room
	For image viewing 23" or more TFT monitors of medical grade mounted on a trolley.	Main Point No. 6. Sub-Point No. 16.	02 units of 21" High Resolution medical grade Monitors mounted on mobile trolley should be provided.

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	24" color TFT Flat screen.	Main Point 7, Sub Point A.	Min. 22" color TFT Flat screen.
8			The following should be added to main point no. 9:
	-	Main Point No. 9.	<p>a. Up-time Guarantee:</p> <p>Up-time guarantee of 95% or more should be provided during warranty and CMC period. The firm will be required to guarantee that during the warranty period as well as during the service contract period, the equipment will be maintained in good working condition for a period of 347 days out of a period of 365 days (i.e. 95% uptime), 8 hours non-functioning of the equipment may be considered as one day down time. Essential period to shut down the installation entirely or partially shall also be included in the down time while calculating the 95% guaranteed uptime. This guaranteed uptime shall be calculated for each block of 365 days.</p>
	-		<p>b. The service engineer must attend the machine within 8 hrs of information of machine breakdown and should take all efforts to make functional as early as possible.</p>
	-		<p>c. Penalty:</p> <p>1. In case down time is more than 5% penalty @ rate of 0.5% of performance security per week of part thereof will be imposed.</p>
9	The Brachytherapy Bunker and Brachytherapy Minor OT rooms will be provided in raw state. The vendor should inspect the rooms and provide the necessary turnkey work including plastering, tiles, tables, furniture for computers, monitors, printer and TPS equipments and connecting electrical/network cables/wires and sockets, painting, doors	Main Point No. 12	The Brachytherapy Bunker and Brachytherapy Console room will be provided in raw state. The vendor should inspect the rooms and provide the necessary turnkey work including plastering, tiles, tables, furniture for computers, monitors, printer and TPS equipments and connecting electrical/network cables/wires and sockets, painting, doors and providing of chairs, Air

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and providing of chairs, Air Conditioner in both Brachy room and Brachy minor OT (If required for temperature and Humidity control) The vendor should also provide necessary cupboards and shelves for storing Brachytherapy and QA equipments/accessories and all other OT accessories.

The material used should be a standard make and model as shown in the table below. The scope of work for turnkey will include the following rooms:

- a. HDR Brachytherapy Room With Co-60 Source.
- b. HDR Brachytherapy Control Room.
- c. TPS room

Conditioner in both Brachy room and Brachy console (for temperature and Humidity control).

The vendor should also provide necessary cupboards and shelves for storing Brachytherapy and QA equipments/accessories.

The material used should be a standard make and model as shown in the table below. The scope of work for turnkey will include the following rooms:

1. HDR Brachytherapy Room With Co-60 Source.
2. HDR Brachytherapy Control Room

Construction/modification work including construction of brick wall if any, plastering, flooring as per the approved plan and equipment layout plan. Construction renovation/modification demolition, exaction, filling work including construction of full or half brick wall if required, plastering, flooring as per the approved plan and equipment layout plan. Necessary openings/niches/cutouts, wherever required as per drawings and asked for by the Engineer-In-Charge, shall be provided by the contractor without any extra cost. Cable tray, trench & channel-necessary trenches, cable tray and channels at required locations.

Flooring: 50 mm thick cement concrete smooth finish floor topping with Vinyl flooring of standard quality in all the rooms including equipment room and all relevant rooms.

False Ceiling: Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. Ceiling height to suit the equipment mount and clearances.

All materials to be used in works shall conform to Indian Standards specification as published by ISI from

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		<p>time to time/as approved by the Department. All works are to be carried out as per the applicable IS code of practice.</p> <p>Walls: Tiles (premium Quality) to be provided in Brachy Room and console and other areas as specified.</p>
		<p>Furniture: Chairs: revolving chairs 4 nos. for monitors, console, computers, TPS, etc. should be provided.</p> <p>Cupboards: necessary and sufficient cupboards for HDR Brachytherapy Treatment Room & Control Console Room for keeping all QA Equipments, Computers at Console, Brachytherapy accessories like Transfer tubes, Templates, needles, etc. should be provided.</p>
		<p>Electrical Work: Necessary Electrical work/earthing work should be completed as per equipment requirement, air-conditioning work and DICOM connectivity to present TPS room/Brachy room/CT simulator room/MRI room etc. at RCC</p> <p>Internal Electrical Wiring: FRLS wires of copper conductor of different capacity as per the load should be used.</p> <p>General Lightings: Mirror optical type CFL of 1x28 W & 2x36 W & 2x36 W with electronic ballasts. LED lighting of 6-22 W.</p> <p>Note: All electrical items such as switches, plug sockets, etc. should be of modular type make of reputed manufacturer as listed in the table below.</p>

List Of Items are from reputed Manufacturers/Brands:

Sl. No.	Items	Referred Makes
	Flooring Vitrified	Somany, Kajaria, H&R Johnson, Marbonite, <i>Atman</i>

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A	Tiles	Granamite.
B	Paint	Dulux, Asian Paints, Nerolac.
C	Plumbing	Kohler, Jaguar, Grohe, Roca.
D	Sanitary Items	CERA, Hindware, Parryware.
E	Electrical:	
	i. Cables	Finolex, Havells, V-Guard.
	ii. Switches	Legrand, L&T, Crabtree, Roma.
	iii. Distribution Box, MCB	Legrand, L&T, Siemens, Havels
	iv. Light Fittings	Philips / Crompton / Wipro
F	Air Conditioning	Daikin, Hitachi, Blue Star, Voltas.
G	Furniture	Hermen Miller, Godrej, Featherlit

Scope of work & Document details: NBB

A	Following mandatory documents must be attached in the bid document as specified „failing which bid will be treated as“ Non-Responsive“
1	Cost of spares, consumables and accessories not covered under warranty and CMC period shall be offered as percentage value of the system/Unit in the Technical Bid ATC1/2
2	Documents with regard to Details compliance statement to be attached At "Additional Doc 2(Requested in ATC)"
3	Documents with regard to Original Literature, Product catalogue ,Technical datasheet from the firm/O.E.M with Highlighting as per the technical specification must attach At "Additional Doc 3(Requested in ATC)"
4	Documents with regard to list of Offering/Quoted items mentioning make, model & quantity of each items must be "Additional Doc 4(Requested in ATC)"
B	Warranty and Maintenance
1	Warranty for 5 years followed by CMC for 5 years including Spares & service for all the items supplied in this particular tender including third-party items and turnkey works .
2	Mandatory 2 PMs / Year with unlimited breakdown calls has to be attended by the Bidder/manufacturer throughout the warranty & CMC period at site..i.e. NEIGRIHMS, SHILLONG.
3	Duly signed Mandatory PM reports has to be submitted periodically, failing which necessary action will be initiated as per term& condition of the tender.
C	Scope of work
1	The bidder has to mandatorily quote for all the items /stores mentioned in the Technical Specification & Scope of Work „failing which bid will be treated as“ Non-Responsive“
2	E-bidder have to adhere to Government of India, Ministry of Finance ,PPD division Public procurement order OM F.No.6/18/2019-PPD dated 23rd july,2020 inserting Rule 144(Xi)in GFR 2017 ,No 1 dated: 23/7/2020 and subsequent Orders No 2 & 3,or as amended from time to time , failing which the bids shall be treated as non-responsive.

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4.3 FORMS OF EMD AND PBG

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of NEIGRIHMS EMD SECURITY DEPOSITS payable at shillong. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

2.6 Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of NEIGRIHMS EMD SECURITY DEPOSITS A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledger. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

2.7 Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name NEIGRIHMS EMD SECURITY DEPOSITS Account No. 30270200000027 IFSC Code BARB0MAWDIA Bank Name BANK OF BARODA Branch address MAWDIANGDIANG, SHILLONG-793018, MEGHALAYA. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

2.8 Past Project Experience:

For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:

- Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
- Execution certificate by client with order value.
- Any other document in support of order execution like Third Party Inspection release note, etc.

2.9 Past Project Experience:

The Bidder / OEM (themselves or through reseller(s)), should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- Single order of at least 35% of estimated bid value; or
- Two orders of at least 20% each of estimated bid value; or
- Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

2.10 Certificates:

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

2.11 Certificates:

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

2.12 Certificates:

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

2.13 Certificates:

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid): F No. NEIGR/ S&P/ R-02/ 2017-18/Pt with BIS/AERB/WHO-GMP/DGCI or EN/UL certified.

2.14 Warranty:

Warranty period of the supplied products shall be 5 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

2.15 Warranty:

Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope All systems , equipment accessories and all turnkey elements (Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)

2.16 Warranty:

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

2.17 Warranty:

Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

2.18 Purchase Preference (Centre):

Indian suppliers of this item are not allowed to participate and/ or compete in procurement by some foreign governments. Bidders / products from such countries are not eligible / not allowed to participate in this bid in terms of clause 1 (d) of Public Procurement (Preference to Make in India) Order, 2017

2.19 Purchase Preference (Centre):

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Procurement under this bid is reserved for purchase from Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.

2.20 Scope of Supply:

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

2.21 Service & Support:

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

2.22 Turnover:

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2.23 Turnover:

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

2.24 Generic:

Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 5 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

2.25 Generic:

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

2.26 Generic:

End User Certificate: Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

2.27 Generic:

Experience Criteria: The Bidder or its OEM (themselves or through reseller(s)) should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

2.28 Generic:

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

2.29 Generic:

Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.

2.30 Generic:

Upload Manufacturer authorization: Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail id and Phone No. required to be furnished along with the bid.

2.31 Generic:

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: Supply, transport, loading , unloading, accessories Installation, Commissioning at site, all turnkey works, AERB related statutory cost .

Price Offered for Spares / Consumables:

[Price Offered for Spares / Consumables Document link](#)

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.

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