	Response To Pre-Bid Queries (Pre-Bid date: 01.03.2023)				
	GeM Tender ID:GEM/2023/B/3174420				
	•		ow-Energy Ring-Gantry Linear Accelerator system with Turnkey F	acility	
Sr. No.	Tender Specification Page & Para	TENDER SPECIFICATION	REPRESENTATION RECEIVED FROM THE FIRM	Reply to Pre-bid Queries	
1	Page 2		Request to amend it as mentioned below: Ring-Gantry/ C-arm gantry Linear accelerator.The equipment should be a 6 MV ring gantry-type or C-arm gantry type medical linear accelerator LINAC with a supporting Treatment Planning System.	No change considered	
2	Page 1	Page no 1, Point No 2, subpoint no 5 The offered linear accelerator shall be installed in at least 2 (preferably five) cancer centers/hospitals across in India with more than 1 year in clinical operations at the time of bidding.	Request for amendment as per below "The offered linear accelerator shall be installed at least at 1 hospital/cancer centre across India with NOC from AERB in place at the time of bidding. "	No change considered	
3	Page 1		Please delete this point as this only allows existing vendor to quote due to integration and merging requirement in existing Oncology Information System (OIS) and TPS	No change considered Integration is essential with existing OIS system to avoid erroneous data transfer between two different vendors systems.	
4	Page 2	Page no 2 & 3, Point no 3 under Technical Specifications of Linear Accelerator- Flattening-Filter-Free Beams	Please amend this to "The LINAC shall be capable of delivering 6 MV Photon Energy with or without flattening filter-free (FFF) mode"	No change considered	
5	Page 2	Page 2, Point no 3 under Technical Specifications of Linear Accelerator Beam Quality-FFF Beams The offered photon beam energy with FFF should meet the below Specifications Dmax (cm)2 : 1.3 ± 0.2 Depth dose at 10 cm (%) : 63 ± 1.0 Dynamic beam flatness (%) : 3.5 Symmetry (%) ≤ 2.0 Maximum planned treatment size at isoplane (28 x 38.5 cm2 field intensity at 10cm depth (measurement at three points from the central axis for 10X10 cm2 and 30x30 cm2or above).	These values are vendor-specific. Request you to kindly remove the specific values against each parameter so that we can specify our values. Please amend this to "Please specify range against each parameter of the Linac model offered"	No change considered	

6	Page 3	Page no 3, Dose Rate	Amendment requested as per below: 500 MU/min or higher dose rates, please specify	Amended as:- Dose rate: 500 MU/min or higher
7	Page 3		Kindly Amend as:- The equipment should be a 6 MV/ 6MV FFF ring gantry-type medical linear accelerator LINAC with a supporting Treatment Planning System.	The equipment should be a 6 MV and 6MV FFF ring gantry-type medical linear accelerator LINAC with a supporting Treatment Planning System.
8	Page 3	Page no.3 Date of Manufacturing b.) Demonstration of the quoted model (Machine) at a working clinical site is mandatory for validating the compliance statement submitted by the vendor and an undertaking for the same has to be given by the vendor.	During Customer Acceptance Test, our engineer will demonstrate all the offered specifications on the installing site itself. Dedicated & Customised specifications cannot be validated at some other clinical site. Hence, Hence, kindly amend as:- Demonstration of the quoted model (Machine) shall be performed at the site after the Machine installation with respect to the offered specifications submitted by the vendor and an undertaking for the same has to be given by the vendor.	No change considered
9	Page 3	Page no.3 Beam Geometry/Maximum field size. Point no. 2. Field Size for cone beam: 36 x 28 cm2 (or more)-	Kindly amend as : Field Size for cone beam: 28x28cm2	Amended as:- Field Size for cone beam: 28 x 28 cm2 (or more)-
10	Page 4	Page no.4 Radiation Leakage Limit: Neutron leakage: The neutron leakage rate should not exceed 0.2% expressed in neutron dose equivalent (Sivert) when added to the photon leakage for a 10 x 10 cm field at the isocenter at any point one meter from the target when the jaws are closed-	Kindly delete this point. Neutron leakage is only applicable to the energy greater than 10 MV.	Amended as:- DELETED
11	Page 4	Page 4, Radiation Leakage Limit Photon leakage: The photon leakage rate at any point one meter from the target outside the cone defined	Request to amend it as mentioned below: Photon leakage: The photon leakage rate at any point one meter from the target outside the cone defined by the primary x-ray collimator shall be less than 0.2% of the absorbed dose at the isocenter.	Photon leakage: The photon leakage rate at any point one meter from the target outside the cone defined by the primary x-ray collimator shall be less than 0.2% o f the absorbed dose at the isocenter.
	Page 4	Page no. 4, The available gantry rotation speed should be 4 RPM or more		No change sonsidered
12			Should be removed. Justification: The overall speed of delivery of the machine based on treatment time and imaging time has to be considered rather than the RPM	Not considered

13	Page 4	< 1 mm	Kindly Delete this point. One cannot check the mechanical isocentre because the design of the machine is such a way that Mechanical front pointer is not applicable to our ring gantry linac, & also it has no field light & no optical distance indicator. We have a completely image based automatic patient positioning. Hence, please delete this point as well. Kindly delete this point. One cannot check the mechanical isocentre because the design of the machine is such a way that Mechanical front pointer is not applicable to our ring gantry linac, & also it has no field light & no optical distance indicator. We have a completely image based automatic patient positioning. Hence, please delete this point.	Amended as :- DELETED
	Page 4	Page no 4, Rotation Per Minute at least 4 RPM for treatment and imaging	Should be removed Justification: Increasing the gantry speed does not have any significance in reducing the overall treatment time as the quoted model comes with patented stereotactic imaging which reduces the imaging time and inturn the overall treatment time	No change considered
			Should be removed Justification: Increasing the gantry speed does not have any significance in reducing the overall treatment time as the quoted model comes with patented stereotactic imaging which reduces the imaging time and in turn the overall treatment time	No change considered
			kindly delete this repeating point, already asked in the gantry rotation speed.	No change considered
14			Request to amend it as mentioned below: "Rotation Per Minute at least 1 RPM for treatment and imaging"	No change considered
15	Page 4		Please amend this to "Inbuild Three lasers co-align to the virtual isocenter should be provided or lateral wall mounted 3 laser lights for localization to be provided"	No change considered
16	Page 5		Request to remove this specification as it is vendor specific.	Amended as:- Please specify MLC size of the offered model, preferably to perform IMRT, VMAT, SRT , SBRT.

	Page 5	Page 5, MLC, Field Size	Cannot be frozen as per one manufacturer	
		Should have Maximum planned treatment size at isoplane (cm)28 x 38.5 & minimum field size: 0.1 cm x 0.1 cm	Cannot be frozen as per one manufacturer	No change considered
17			Request to amend it as mentioned below: "MLC, Field Size Should have Maximum planned treatment size at isoplane (cm)28 x 38.5 or more & minimum field size: 0.5 cm x 0.5 cm"	
18	Page 5	Page no 5 Collimator rotation speed (RPM) (Maximum)	This is again vendor specific , request you to amend this to following: " Please specify your range"	No change considered
19	Page 5	Page 5 Leaf Height: Leaf height should be 16 cm Field Penumbra: In-plane versus cross-plane penumbra (mm) ≤ 1.0 Transmission: ≤ 0.25%, Maximum leaf speed,: Should have leaf speed (cm/sec) at least 5.0	The values are vendor-specific. Request you to kindly remove the specific values against each parameter so that we can specify our values, so please amend this to "Please specify your range" Leakage radiation to be considered not Leaf height. Justification: Leaf height should not be the criteria, but the leakage radiation should be the criteria	Amended as:- Please specify leaf height of the offered model and inter leaf , Intra leaf transmission.
20	Page 5	Page no.5 Dosimetric Leaf Gap (DLG) Should be proximal 0.17 mm and distal 0.18 mm.	Kindly Delete this point, Our product is a pre-commissioned machine. Hence DLG cannot be edited or modelled manually in eclipse. Therefore, kindly delete.	Amended as:- DELETED
21	Page 5	Leaf Height: Leaf height should be 16 cm	kindly amend this to - The leaf height to be at least 7cm. Note: No vendor has 16cm leaf height in the industry. Leakage radiation to be considered not Leaf height Justification: Leaf height should not be the criteria, but the leakage radiation should be the criteria	Amended as:- Please specify leaf height of the offered model and inter leaf , Intra leaf transmission.
22	Page 5	Page 5, Imaging Area and resolution Min 43X43 cm with 1280 X 1280 resolution	Request to amend it as mentioned below: "Imaging Area and resolution Min 41X41 cm with 1024 X 1024 or more resolution"	No change considered
23	Page 5	Page 5, Primary Beam Shielding Integrated beam stopper with adequate thickness to attenuate primary beam as per NCRP report No. 151 should be offered	Request to remove this point as it is vendor-specific.	Amended as:- DELETED

	Page 5	Page 5,	Please remove word " iterative" from specifications as this is	
24		Imaging Capabilities	specific to a particular vendor . Kindly amend it as mentioned below. "kV CBCT and all other imaging capabilities/ features (2D and 3D) available with the quoted machine model should be provided."	imaging capabilities/ features (2D and
25	Page 6	Page 6, 1. Weight limit with image-guided radiation therapy (IGRT) 2. couch top bearing capacity : Minimum 200 Kg 3. Couch top width (cm) :53 cm 4. Couch top length (cm) : 200 cm 5. IGRT couch top water equivalence (cm): 0.52 and 0.84 6. 6 MV attenuation (%) :1.9% 7. Relative positioning accuracy (cm) \leq 0.05 cm 8. Longitudinal positioning accuracy (cm) \leq 0.1 cm 9. Degrees of freedom :3 10. Lateral travel range (cm) : \pm 20.9 cm 11. Vertical travel range (cm) : - 47.0 to 0 cm 12. Longitudinal travel range (cm) : 0.0 to 165.5 cm 13. Travel range accuracy (cm) : \pm 0.2 cm 14. Lowest couch height above floor (cm) : 63.0 cm	The values are vendor-specific. Request you to kindly remove the specific values against each parameter so that we can specify our values. so please amend this to"Please specify your range" 1. Weight limit with image-guided radiation therapy (IGRT): 160 kg 1. Weight limit with image-guided radiation therapy (IGRT): 160 kg	Amended as:- Page 6, 1. Weight limit with image-guided radiation therapy (IGRT) 2. couch top bearing capacity : Minimum 160 Kg 3. Couch top width (cm) : 50 cm or more 4. Couch top length (cm) : 200 cm or more 5.DELETED 6. DELETED 7.DELETED 8. DELETED 9. DELETED 10. DELETED 11. DELETED 12. DELETED 13. DELETED 14. DELETED
	Page 6	10. Lateral travel range (cm): ± 20.9 cm	Cannot be frozen as per one manufacturer but as per treatment deliverables Cannot be frozen as per one manufacturer but as per treatment deliverables	Amended as:- 10. Lateral travel range (cm): ± 20 cm or more
26				
	Page 6	12. Longitudinal travel range (cm): 0.0 to 165.5 cm	Cannot be frozen as per one manufacturer but as per treatment deliverables	12. Longitudinal travel
27			Cannot be frozen as per one manufacturer but as per treatment deliverables	range (cm): 0.0 to 165 or more

	Page 6	14. Lowest couch height above floor (cm): 63.0 cm	Cannot be frozen as per one manufacturer but as per treatment deliverables	14. Lowest couch height above floor (cm): 65.0 cm or less
28			Cannot be frozen as per one manufacturer but as per treatment deliverables	
29	Page 6		Please delete this point as these are specific to Varian, ARIA and Eclipse are product names of M/s Varian	Amended as:- The offered model should be compatible with the existing TPS and OIS installed in the department.
30	Page 7	Processing Unit (GPU) based	Kindly amend as The supplied TPS should have a Real Time Trade-Off Exploration Multi-Criteria Optimization Algorithm (MCO) and be implemented on a Graphical Processing Unit (GPU) based computer HW.	Amended as:- The supplied TPS should have a Real Time Trade-Off Exploration Multi-Criteria Optimization Algorithm (MCO) and be implemented on a Graphical Processing Unit (GPU) based computer HW.
31	Page 7	Page 7, The supplied TPS should have a Multi-Criteria Optimization Algorithm (MCO) and be implemented on a Graphical Processing Unit (GPU) based computer HW	Request to amend it as mentioned below: "The supplied TPS should have a Multi-Criteria Optimization Algorithm (MCO)	No change considered
32	Page 7	The supplied TPS should support knowledge-based	Request to amend it as mentioned below: The supplied TPS should support knowledge-based/Template-based automatic planning features	Amended as:- The supplied TPS should support knowledge-based /Template- based automatic planning features

Page 8	page no.8 Routine QA Phantom Should include phantoms that can be used for routine machine and patient-specific QA tests specified by AERB as well as to create image valueto- density tables for planning and for assessments of MVCT image quality		To be shifted to dosimetry list.
Page 9	Page 9, 8. In-Bore Optical Surface Imaging System	heading to be vendor neutral. In-bore SGRT is vendor specific. Instead request to amend it as Optical surface imaging system.	Amended as:- The bidder should provide In-Bore/Outside the bore Optical Surface Imaging System compitable with offered model with all necessary licence.
35	system for Surface Guided Radiation Therapy for Patient setup, Positioning, Intra Fraction motion monitoring and patient safety applications with the latest version of optical surface guided system based on a stereovision system having three camera pods to be installed in the treatment room for assisting with patient set up and additional two miniature cameras mounted on a ring fitted into the bore / focused inside the bore of the Ring Gantry L for live patient monitoring aiding in reduced shadow effect of coverage without affecting affect normal functioning of the Ring Gantry or interfere with its radiation field. The latest model camaras available with the quoted	Kindly amend as below:- In-Bore/Outside the bore Optical Surface Imaging System Kindly amend this also as : For each linac, one system each of In Bore/Outside the Bore Optical Surface Imaging System should be provided along with only one number of Linear accelerator. The Vender should provide an Optical Surface Imaging system for Surface Guided Radiation Therapy for Patient setup, Positioning, Intra Fraction motion monitoring and patient safety applications with the latest version of optical surface guided system based on a stereovision system having three camera pods to be installed in the treatment room for assisting with patient set up and additional two miniature cameras mounted on a ring fitted into the bore / Outside the bore focused inside the bore ofthe Ring Gantry L for live patient monitoring aiding in reduced shadow effect of coverage without affecting affect normal functioning of the Ring Gantry or interfere with its radiation field. The latest model camaras available with the quoted model to be supplied. System should have an accuracy for Absolute-positioning accuracy ≤0.5 mm / ≤0.2°, Motion-monitoring accuracy ≤0.5 mm / ≤0.2° for both outside bore and in bore cameras. System shall use reference surface image relative to the treatment ISO centre positioning automatic 3DOF of translation directions.	No change considered

	Page 2	Type approved: The machine must be AERB type approved for the energy quoted.	The machine must be AERB type approved/ NOC for the energy quoted. Justification: For Indian Machine AERB has given NOC and the	No change considered
36			machine is listed on e-LORA.	
	Page 4	Gantry Rotation Speed: The available gantry	Should be removed	
		rotation speed should be 4 RPM or more	Justification: The overall speed of delivery of the machine	No change considered
			based on treatment time and imaging time has to be	No change considered
37			considered rather than the RPM	
	Page 5	Integrated portal dosimetry: Fully integrated portal	Cannot be frozen as per one manufacturer	
		dosimetry for patient specific QA should be	Justification: The quoted model consists of a patented In-	
		offered	Gantry Dual kV Imaging system which can acquire images in	
			2D, CBCT, and Stereo modes. With kV imaging, the overall	
			dose to the patient is reduced. The overall treatment time is	
			reduced	No change considered
			Cannot be frozen as per one manufacture.	
			Justification: The quoted model consists of a patented In-	
			Gantry Dual kV Imaging system which can acquire images in	
			2D, CBCT, and Stereo modes. With kV imaging, the overall	
			dose to the patient is reduced.	
38			The overall treatment time is reducedr	
		Treatment Planning system (TPS) – 2 nos per machine	: We request the removal of this feature as this is machine	
		Automated Planning. The supplied TPS should support	learning planning and has been written for the specific	
		knowledge-based automatic planning features	manufacturer.	no change considered
			We request the removal of this feature as this is machine	
			learning planning and has been written for the specific	
39			manufacturer.	
		1. The system should be capable to produce a DVH	There is no clarity on if we need to offer one or two speciality	
		estimation model based on created plan library or	licenses for each	
		expert library.	workstation, kindly provide clarity on the	
		License: For DVH based plan converter and RT plan	same.	Clarified as:- all the licence should be
		review to be provided	There is no clarity on if we need to offer one or two speciality licenses for each	available in all TPS.
			workstation, kindly provide clarity on the	
40			same.	
		Routine QA Phantom: Should include phantoms that	Should include phantoms that can be used for routine	
		can be used for routine machine and patientspecific	machine and patient-specific QA tests specified by AERB as	
		QA tests specified by AERB as well as to create image	well as to create image valueto- density tables for planning	Amended as:- Routine QA Phantom:
		value-todensity tables for planning and for		Should include phantoms that can be
		assessments of	, ,	used for routine machine and
		MVCT image quality		patientspecific QA tests specified by

41		Should include phantoms that can be used for routine machine and patient-specific QA tests specified by AERB as well as to create image valueto- density tables for planning and for assessments of MVCT/kVCT image quality. Justification: The requirement has to be generic	AERB as well as to create image value- todensity tables for planning and for assessments of CBCT image quality.
	Portal Imaging detectors: Portal Imaging System - Both Imaging Detectors (kV and MV) should be replaced free of cost during the warranty period & CAMC period as and when the image quality deteriorates from the quality at the time of acceptance. Vendor should provide portal dosimetry feature.	Imaging System - Both Imaging Detectors (kV/kV or kV/MV) should be replaced free of cost during the warranty period & CAMC period as and when the image quality deteriorates from the quality at the time of acceptance. Vendor should provide dosimetry feature. Justification: The requirement has to be generic Imaging System - Both Imaging Detectors (kV/kV or kV/MV) should be replaced free of cost during the warranty period & CAMC period as and when the image quality deteriorates from the quality at the time of acceptance. Vendor should provide dosimetry feature.	no change considerd
42	Equipment certification: 1. Type approval AERB	Justification: The requirement has to be generic Type Approval/ NOC from AERB. Justification: For Indian Machine AERB has given NOC and the machine is listed on eLora Type Approval/ NOC from AERB. Justification: For Indian Machine AERB has given NOC and the machine is listed on eLora	no change considerd
44	Page no.20 BBQ serial no.8 In-Bore Optical Surface Imaging System as perspecification Note : Out of three numbers of LINAC, only one LINAC should be supplied with In-Bore Optical Surface Imaging System	Kindly amend as: In-Bore/Outside the bore Optical Surface Imaging System as per specification Note : Out of three numbers of LINAC, only one LINAC should be supplied with In-Bore/Outside the bore Optical Surface Imaging System.	No change considered
45	page no.10 Laser Systems (treatment room) External Laser Alignment System and Gantry integrated laser for patient positioning. Green lasers are preferred. The line width should be less than 1mm. The lasers should be adjustable with remote control.	Kindly amend as:- External Laser Alignment System or In-built Gantry integrated laser for patient positioning. Green lasers are preferred. The line width should be less than 1 mm. The lasers should be adjustable with remote control.	Amended as:- External Laser Alignment System or In-built Gantry integrated laser for patient positioning. Green lasers are preferred. The line width should be less than 1 mm. The lasers should be adjustable with remote control.
46	Please provide Number of Contouring system and ARIA to be mentioned	In the tender document, page no.7, only TPS number 2 is mentioned but not elaborated how many contouring systems and how many OIS are required. Hence, please suggest.	Clarified as:- For each machine 02 TPS and 03 OIS should be offered.

47		General query: Turn-Key works BOQ	Please provide exact BOQ for the Turn- Key works along with the area/ quantity, etc. for fair price comparison. Civil work area is not mentioned in the document	Total area for installation of 03 nos of LINAC will be around 7,000 sqft which include LINAC treatmnet room, control
48	Page 13; Point: 2	The cost of the facility site modification work should be quoted separately, and this cost will be considered for L1 calculation		room, equipment room, change room,UPS room, TPS room, waiting area, chiller room. Payment will be made on pro rata basis. Bidders are
49		Drawings	Please share AERB approved layout of linac bunker and allied areas in Auto CAD format	It is clarified that bidder may collect soft copy of layout/drawings from NCI- AIIMS.
50		Payment terms	 We request payment terms for Turnkey scope as follows: Option 1 55% advance along with PO. Balance 45% to be paid on actual measurement sheet certification against RA bills. Option 2 80% advance along with PO against BG of same amount 20% on machine installation. 	No change considered
51		TK Completion time	We would request a minimum time period of 210 days from the date of LC opening or handover of complete shell as per AERB SLA or import authorization approval from AERB, whichever is later.	No change considered
52		Regulatory works, local administered works, Statuary works	We would not be able to do any local regulatory follow-ups, approvals, etc.	No change considered
53		NA	 General Points: 1) Please share the details of permanent power load and DG availability for machine and supports 2) Is this a lump-sum contract or Item rate? If item rate, then what is the process of rate approval of any extra items if required during the project? 3) Hospital must provide construction water and power supply at point of use (at site) free of cost. 4) What are the LD clauses? There is no mention of any such clause in tender. 5) What would be the procedure to get a site visit prior to submission of bid? 6) Hospital to provide complete structural core and shell of bunker ready as per AERB approved layout and provide structural stability certificate of the same 	It is the responsibility of the bidder to visit site for assessment of work as per requirement of the offered model.

54	-	8. Transfer of all parameters from existing X-ray simulator , CT-simulator,MRI, PET-CT, etc, and Treatment Planning System for automatic treatment setup & delivery should be provided	Please note that the Networking infrastructure between quoted equipment and the hospital network (within premises)will be provided in the turnkey. However, hospital will arrange necessary Licenses & accessories from 3rd party vendor for smooth transfer of required parameters from 3rd party equipment to the Varian equipment.	Amended as:- 8. Transfer of all parameters from existing CT-simulator,MRI, PET-CT, etc, and Treatment Planning System for automatic treatment setup & delivery should be provided
	Date of	The date of completion of customer acceptance of all the items in the purchase order or Turn Key accepted and signed by the Engineering Division, whichever is later will be considered as the date of Completion of the Installation.	 Equipment installation and turnkey installation & acceptance should be considered separately. The institution / Customer needs to sign the acceptance certificate immediately after the completion of equipment CAP. Please clarify the signing authority from Engineering Division. Date of completion of Turnkey – Accepted & signed by engineering division or AERB approval for clinical use whichever is earlier 	No change considered
55 56	Page 10, UPS	Online UPS (having spike protection) for the whole equipment including computer systems / workstations / accessories / server room shall be provided. The backup for the UPS shall be at least 30 minutes.	We believe a UPS back up of 15 mins would suffice. Hence, the same can be changed from 30 minutes, if agreeable.	Online UPS (having spike protection) for the whole equipment including computer systems / workstations / accessories / server room shall be provided. The backup for the UPS shall be at least 15 minutes.

Page 9 The Vender should provide an Optical Surface Imaging The Vender should provide an Optical Surface Imaging system	
system for Surface Guided Radiation Therapy for for Surface Guided Radiation Therapy for Patient setup,	
Patient setup, Positioning, Intra Fraction motion Positioning, Intra Fraction motion monitoring and patient	
monitoring and patient safety applications with the safety applications with the latest version of optical surface	
latest version of optical surface guided system based guided system based on a stereovision/structured system	
on a stereovision system having three camera pods to having three camera pods to be installed in the treatment	
be installed in the treatment room for assisting with room for assisting with patient set up and for providing	
patient set up and additional two miniature cameras optimum patient coverage without affecting affect normal	
mounted on a ring fitted into the bore / focused functioning of the Ring Gantry or interfere with its radiation	
inside the bore of the Ring Gantry L for live patient field. The latest model cameras available with the quoted	
monitoring aiding in reduced shadow effect of model to be supplied. The system should not be affected with	
coverage without affecting affect normal functioning ambient lights in room.System should have an accuracy for	
of the Ring Gantry or interfere with its radiation field. Absolute-positioning accuracy ≤0.5 mm / ≤0.2°, Motion-	
The latest model camaras available with the quoted monitoring accuracy $\leq 1 \text{ mm} / \leq 0.2^{\circ}$ for all cameras. System No change c	sansidarad
model to be supplied. System should have an shall use reference surface image relative to the treatment	Jonsidered
accuracy for Absolute-positioning accuracy ≤0.5 mm / ISO centre as well as calculate the live ISOCenter for	
≤0.2°, Motion-monitoring accuracy ≤0.5 mm / ≤0.2° positioning and have 6DOF patient monitoring.	
for both outside bore and in bore cameras. System Comments:-	
shall use reference surface image relative to the The current specifications are favouring one vendor only.	
treatment ISO centre positioning automatic 6DOF of - We offer Structured light system which provides better	
translation and rotational directions. accurate depth measurement and works better in low light	
environment.	
- The system should not be affected by ambient room lights.	
- SGRT mounted outside the gantry eliminates risk of	
collisions from patient while improving clinical workflow	
57	
System should be capable to perform rigid System should be capable to perform rigid/non rigid	
registration along with a range of different skin tones registration along with a range of different skin tones.	considered
(at least 5) which can be changed on a single click Comments: The specification are very company specific . Rigid	Junsidered
58 adjustment Registration is very specific.	
The supplied system should have atleast 30+ systems The system should have proven installation base globally with	
installed globally with ring based linear accelerators in reputed institutes. Amended as	
reputed institutes. Comments:- Please remove as this is specific to only one	. DELETED
59 company	
Additional Specification System should be able to provide audio and video coaching Not consider	ared
60 for patients through tablet	

	NA	Also find below generic specifications which can be used for	
		the same . Request you to please use the below for healthy	
		competition	
		o Advance SGRT solution with latest generation 3 cameras	
		that captures and analyzes the patient body surface all time	
		o The high definition cameras continuously monitor 3D	
		surfaces and compare current body posture to a previously	
		recorded reference.	
		o The system covers the entire body surface and provides the	
		technician with interactive visual guidance through a color	
		map projected during setup.	
		o The camera should have expectionally larger field of view so	
		that the full picture of the treatment at the setup outside the	
		gantry as well as at the treatment inside the gantry is	Not considered
		captured.	
		o The system should have large scan volume, projection and	
		the advanced registration property so that entire workflows	
		can be supported.	
		o The positioning must be within 0.5mm for a rigid body.	
		o The system should also be able to support both DIBH	
		activation and 6 DOF patient monitoring. The system should	
		support breath hold and free breathing mode, optimising	
		breathing patterns throughout the treatment.	
		o The workflow must be patient centric with augmented	
		reality colour projection, real time feedback and audio visual	
		feedback.	
61			
		Commercial Queries	
	Tender currencies	We request you to kindly amend the same as:	
		- For imported goods which are supplied directly from	No change considered
		abroad, prices shall be quoted in any freely convertible	No change considered
		currency say US Dollar, Euro, GBP or Japanese Yen.	

-	Page 17/44 Clause 21 of Additional Terms and Conditions	We request you to kindly add the below point: Payment for Imported Goods:	
	Terms and Mode of Payment Payment Terms	Payment for foreign currency portion shall be made in the currency as specified in the contract in the following manner:	
		On Shipment: 75% of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favor of the supplier in a bank in his country.	No change considered
-	Page 19/44, Clause 23 of Additional Terms and Conditions Liquidated damages:	We request you to change penalty/LD from 0.5% per week of delay to 0.25% per week of delay.	No change considered
Page 2	Page 2/7 of Bid Document: Duration of ePBG required (Months). 62 Months	We request you to kindly amend the same as: Within 30 days of formal site handing over by the respective consignee. Purchaser/Consignee, the supplier, shall furnish a performance security in the prescribed proforma to the Purchaser for an amount equal to three percent (3%) with initially valid for a period of minimum 36 months from the date of formal site handing over by the respective consignee.	No change considered
	LIMITATION OF LIABILITY. The Seller's total liability to the Buyer arising under or in connection with this contract shall be limited	We request you to kindly add the same as: Suppliers' total liability should be maximum up to the value of contract so we would request to incorporate this clause.	No change considered

Page 24	Pg 24 of 44 of Additional Terms and Conditions SECTION- V:Required Delivery Schedule -Supply, Installation, Commissioning, Testing & Acceptance to be completed within 120 days from the date of approval of Layout Drawing or from date of handing over the site for installation, whichever is later	- 270 days minimum for the Imported Goods as there are certain approvals required from AERB, which are time consuming and there is no control of supplier over these approvals. Also, this involves site modification work as well. Considering these points and facts, we request you to increase this delivery and commissioning schedule from 120	Required Delivery Schedule -Supply, Installation, Commissioning, Testing & Acceptance to be completed within 120 days from the date of approval of Layout Drawing or from date of handing over the site for installation, whichever is later
Page 5	Page 5 of 7 of Bid Document 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis	PI amend the same as: 95% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis excluding Govt holidays	No change considered
Page 6	Page 6 of 7 of Bid Document GST shall be included in the CMC Charges quoted	GST shall be excluded in the CMC Charges quoted and on actuals as applicable at the of payment.	No change considered. It is clarified to the firms that ranking of bids is to be done including the GST charges
Page 1	Site modification/Turnkey Details		It is the responsibility of the bidder to visit site for assessment of work as per requirement of the offered model.
Page 4	Page 4, (Minimum 50% and 25% Local Content required for qualifying as Class 1 and Class 2 Local Supplier Respectively)	Please note that the tender per se restricts participation only for local suppliers based in the country. However, all our components including the machine is imported and therefore we do not qualify as a Class 1 or, a Class 2 supplier. Therefore, we suggest to change the tender to be made a global tender for us to enable our participation as well to make it a equitable one.	No change considered

 Payment Terms	Since the tender is through GeM, we believe the bidding	
r dymene renns	currency, in this case, would be INR. However, the supply of	
	Equipment contract will be executed by Varian Medical	
	Systems AG. (VMS AG). But, VMS AG cannot take the order in	
	INR since INR is not a fully convertible currency & hence	
	cannot be remitted outside	
	India, as per FEMA guidelines. Please note without this	
	change we would not be able to participate in the tender.	
	Therefore, the tender needs to be quoted & paid in USD only	
	for us to participate.	No change considered
	On conversion of the tender in foreign currency, we would	
	need a 100% irrevocable confirmed Letter of Credit at sight,	
	payable as follows: 80 % on Bill of Lading & balance 20%	
	against acceptance and commissioning or, 180/120 days from	
	the shipment/Bill of Lading, whichever is earlier, against an	
	equivalent PBG.	
	The customs duty would be paid extra by the buyer directly	
	to the customs at the time of import and there would be no	
	re imbursement possible to be claimed.	