



Running Contract Details	
Equipment Name	Patient Immobilization System
Running Contract Valid Till	23-12-2027
Tender Ref No	KMSCL/EP/T564(R)/1745/2025
Tendered Quantity	3
Supplier Name	M/s Kalyani Radiotherapy Specialty India Private Limited
GST No	33AABCI8883K2Z3
Installation & Delivery Period	12 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
No.11 First Floor A6 Vignesh Plaza Thillai Nagar Trichy	Contact Person	Mr Sundararaj
	Phone	04312760433
	Mobile No	9443327601
	Email	admin@krs-ipl.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Patient Immobilization System <i>Model & Make : Marcomedics / KRS</i>	0 Incl.GST :0%	0	0
2	All in One Board	3111458.7 Incl.GST :5%	244768.08	3356226.78
3	Foot Block	8583.03 Incl.GST :18%	600.81	9183.84
4	Indexing bars for vacuum cushions	4478.1 Incl.GST :18%	313.47	4791.57
5	Indexing bars	10448.9 Incl.GST :18%	731.42	11180.32
6	Intracranial Cradle	286434.75 Incl.GST :5%	22532.87	308967.62
7	Thermoplastic System for SRS/ SRT treatments	18358.15 Incl.GST :5%	1444.17	19802.32

Item-wise Price Details				
8	SRBT small bridge	393832.43 Incl.GST :5%	30981.48	424813.91
9	SRBT large bridge	393832.43 Incl.GST :5%	30981.48	424813.91
10	Compression pad	158466 Incl.GST :5%	12465.99	170931.99
11	Vacuum cushion 160cms length	41459.78 Incl.GST :5%	3261.5	44721.28
12	Vacuum cushion 230cms length	38949.75 Incl.GST :5%	3064.05	42013.8
13	Compression belt System	215035.28 Incl.GST :5%	16916.11	231951.39
14	Thermoplastic sheets of 2.4 or 3.2 mm thickness for Head-only positioning	2091.6 Incl.GST :5%	164.54	2256.14
15	Thermoplastic sheets of 2.4 or 3.2 mm thickness for Head-and shoulder positioning	3831.45 Incl.GST :5%	301.41	4132.86
16	Thermoplastic sheets of 2.4 or 3.2 mm thickness for breast positioning, to fix on breast board in item no. 8	2091.6 Incl.GST :5%	164.54	2256.14
17	Thermoplastic sheets of 2.4 or 3.2 mm thickness for pelvic positioning	3689.7 Incl.GST :5%	290.26	3979.96
18	Vacuum cushion of 50 cm X 70 cm, 15 L fill	10384.42 Incl.GST :5%	816.91	11201.33
19	Vacuum cushion of 100 cm X 70 cm, 35 L fill	12643.18 Incl.GST :5%	994.6	13637.78
20	Vacuum cushion of 150 cm X 80 cm, 65 L fill	24382.05 Incl.GST :5%	1918.05	26300.1
21	Vacuum cushion of 100 cm X 220 cm, 120 L fill	38556 Incl.GST :5%	3033.07	41589.07
22	Vacuum pump with a gauge	7703.04 Incl.GST :18%	539.21	8242.25
23	Extended Body Calipers	6021.54 Incl.GST :18%	421.51	6443.05
24	CT Markers – non metallic markers with artefact-free images shall be offered	223.91 Incl.GST :18%	15.67	239.58
25	Heat gun with digital display and temperature control	2151.14 Incl.GST :18%	150.58	2301.72

Item-wise Price Details				
26	Waterbath which can accommodate thermoplastic sheets of all sizes including large thermoplastic sheets for pelvis	59708 Incl.GST :18%	4179.56	63887.56
27	Bolus sheet “gel bolus sheet of size 30 cm X 30 cm X 5 mm thickness	12090.12 Incl.GST :5%	951.09	13041.21
28	Bolus sheet “gel bolus sheet of size 30 cm X 30 cm X 10 mm thickness	12761.81 Incl.GST :5%	1003.93	13765.74
29	Heavy duty scissors	1146.96 Incl.GST :18%	80.29	1227.25
30	Styrofoam block cutter with adjustable heat setting	21218.76 Incl.GST :18%	1485.31	22704.07
31	Alloy dispenser, digital with capacity of at least 5 Liter capacity, operated on 230 V AC supply	48244.3 Incl.GST :18%	3377.1	51621.4
32	Cerrobend alloy, Cadmium-free with low melting point	4301.1 Incl.GST :18%	301.08	4602.18
33	styrofoam blocks	179.22 Incl.GST :18%	12.55	191.77
		4954757.2	388262.69	5343019.89

Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

Technical Specification

Equipment :Patient Immobilization System

Patient Immobilization Devices Specification

Sl. No	Description	Qty.
1. ALL IN ONE BOARD		
a	The system should consist of one single piece device made from Carbon fiber or low-density MR	4 Nos

- compatible composite only. The device shall have scale in mm on it on either side of the device. The device shall have its own indexing and all the additional devices for patient positioning shall be indexed directly on the device itself.
- b The device should be at least 175 cm long with maximum width at shoulder level not exceeding 61 cm and thickness not exceeding 2.5 cm and weighing not more than 5.5 Kgs. Water equivalent thickness of the device should be less than 5mm at 6MV photons. 4 Nos
- c The device shall be able to take patient load up to 250 kgs minimum. 4 Nos
- d The device shall be fixed on any Treatment unit couch-top on top of two-pin indexing bars. The device shall have provision of two sets of holes – Inferior and superior position - to enable its mounting on top of indexing bars. 4 Nos
- e A tilting device made of carbon fibre and which can be attached to the main device mentioned in item no.1 shall be included in the offer. The tilt angle of the tilting device shall be adjustable in steps of 5 degrees, from 0 to at least 30 degrees 4 Nos
- f Head supports shall be of low density material and a set of six, to be indexed on the main device mentioned in item no.1 above 4 Nos
- g Breast board made of carbon fibre shall be offered for supine positioning of breast patients. The angle of the breast board shall be adjustable from 0 degrees to 15 degrees. The set shall include wingboard OR arm and wrist supports for both arms, to be fixed to the breast board. The arm and wrist supports shall have adjustments for change of angle as well as height with respect to the breast board for arm and wrist positioning as per individual patient positioning requirement. If wingboard is offered it should have headrest and handgrip pair. All the attachments shall be of low density material. 4 Nos
- h The offer should include at least two different sizes of knee supports. The knee supports shall be made of hard PU foam or better material with low density and shall have Velcro straps to hold the patient legs in a position. The knee supports shall be indexable with a provision of at least three indexing positions each. 4 Nos
- i The device shall have a provision to have its own hand-grip assembly to enable proper shoulder positioning of the patient. A pair of handgrips shall be offered in the set together with the system. 4 pairs
- j The offer should include wingboard made of low density material which can be attached to the end of the main device mentioned in item no.1 above. 4 nos
- 2 The offer should include foot blocks made of hard PU foam or better material with low density and shall have Velcro straps to hold the patient legs in a position. The foot blocks shall be indexable with a provision of at least three indexing positions each. 4 nos
- 3 Indexing bars for Vacuum cushions. The bars shall be non-metallic and shall be mounted on the indexing bars on main device. The Vacuum cushion indexing bars shall have large projections on either side of the bar to create indexing points for the vacuum cushions 10 nos
- 4 Indexing bars 15 Nos
- SRS Adapter for SRS/SRT treatments
- 5 The offer should include intracranial SRS cradle adapter, made of carbon fiber or low-density MR compatible composite. 2 Nos
- 6 The **intracranial cradle** shall have Artefact-free fiducial markers embedded in X and Y direction to indicate crosshair Origin in the CT image. 2

- 7 SRS Cushion support 2
- 8 Thermoplastic system for SRS/SRT treatments
- a The SRS system shall use a pair of thermoplastic masks with six pins. 20 Nos
- b The thermoplastic masks offered shall be made of reinforced thermoplastic type and of 3.2 mm thickness to provide extra rigidity to the patient being treated.
- c Each pin of the thermoplastic mask shall have provision to adjust spacing between the mask edge and the device, by way of in-built shimming system. There should be no need of external spacers/ shimming in case there is a gap between the treatment device and mask edge.
- d The anterior thermoplastic mask shall have an opening from the patient's forehead to the upper lip to enable Surface Guided Radiotherapy and optical tracking of the patient face. Despite of such an opening the mask shall provide sub-millimeter accuracy and less than one-degree rotation in patient positioning.
- e The anterior mask shall have a split frame edge to enable proper positioning of hair of patients with long hair and achieve accurate positioning of such patients.
- f The mask system shall offer an indexing point for upper jaw to the top of patient's head by way of a mouth-bite.
- g The anterior mask shall have extra flap to roll over the patient's chin to provide extra rigidity to the chin thereby offer accurate patient positioning for SRS/SRT treatments.

Accessories for SBRT

- 9 The offer shall include a bridge of small size, made of either Carbon fiber or low-density MR compatible material. The bridge shall have adjustable height with proper markings of different heights for individual patient record. 2 Nos
- 10 The offer shall include a bridge of large size, made of either Carbon fiber or low-density MR compatible material. The bridge shall have adjustable height with proper markings of different heights for individual patient record. 2 Nos
- 11 A compression pad with provision to adjust the position of the compression pad laterally across the bridge as well as height with respect to the patient, shall be offered. The compression pad shall be made of made of hard PU foam or better material with low density. 2 Nos
- 12 Vacuum cushion of the size 160 cm length and 120 cm (shoulder) tapered to 80 cm (body) with two chambers shall be offered 2 Nos
- 13 Vacuum cushion of the size 230 cm length and 120 cm (shoulder) tapered to 80 cm (body) with three chambers shall be offered 2 Nos
- 14 The offer should include a compression belt system. The compression belt system shall have a set of minimum three belts of different widths and lengths. The compression belt system shall consist of a hard foam PU pad to fix against the patient's body for creating compression and immobilization of the organs. The compression pad of the belt system shall have fiducial markers inbuilt to get impression in patient's CT images. 2 Sets
- I The offered system shall have US FDA approvals.
- II All the low density devices, thermoplastic sheets and vacuum cushions as well as markers/ bolus sheets shall be made in USA or Europe

Immobilistatin device shall be supplied with following list of accessories

Consumables – thermoplastics		
15	Thermoplastic sheets of 2.4 or 3.2 mm thickness for Head-only positioning	100 Nos
16	Thermoplastic sheets of 2.4 or 3.2 mm thickness for Head-and shoulder positioning	100 Nos
17	Thermoplastic sheets of 2.4 or 3.2 mm thickness for breastpositioning, to fix on breast board in item no. 8	25 Nos
18	Thermoplastic sheets of 2.4 or 3.2 mm thickness for pelvic positioning	25 Nos
Vacuum cushions		
19	Vacuum cushion of 50 cm X 70 cm, 15 L fill	25Nos
20	Vacuum cushion of 100 cm X 70 cm, 35 L fill	25Nos
21	Vacuum cushion of 150 cm X 80 cm, 65 L fill	25Nos
22	Vacuum cushion of 100 cm X 220 cm, 120 L fill	5Nos
23	Vacuum pump with a gauge	1 No
Mould Room Accessoris		
24	Extended Body Calipers	1 No
25	CT Markers – non metallic markers with artefact-free images shall be offered.	100 Nos
26	Heat gun with digital display and temperature control	1 No
27	Waterbath which can accommodate thermoplastic sheets of all sizes including large thermoplastic sheets for pelvis.	1 No
	The waterbath shall have digital display and temperature control with auto-cutoff at the set temperature	1 No
28	Bolus sheet – gel bolus sheet of size 30 cm X 30 cm X 5 mm thickness	10 No
29	Bolus sheet – gel bolus sheet of size 30 cm X 30 cm X 10 mm thickness	10 No
30	Heavy duty scissors	1 No
Set for Electron beam shaping		
31	Styrofoam block cutter with adjustable heat setting	1 No
32	Alloy dispenser, digital with capacity of at least 5 Liter capacity, operated on 230 V AC supply	1 No
33	Cerrobend alloy, Cadmium-free with low melting point	50Kgs
34	Styrofoam blocks	100Nos
35	Cooling plate made of Aluminum with size of 12 X 24 inches, at least 1 inch thick	1 No
36	Thermoplastic warming oven(Optional)	1