

Government of West Bengal
Department of Health & Family Welfare
PPP Cell
Swasthya Bhawan, Sector – V, Salt Lake
Kolkata – 700 091

Memo No HFW-14014(13)/1/2019-SPSRC SEC-Dept of H&FW/PPP/1509

Dated 13/07/2021

To

MSVP Diamond Harbor GMCH.

Sub: **Commissioning Report of 16 Slice CT Scan unit model at the Premises of Diamond Harbor GMCH under Public Private Partnerships (PPP) EOM mode on 11-05-2021**

Reference:-

1. Letter of commissioning issued vide Memo No HFW-14014(13)/1/2019-SPSRC SEC-Dept of H&FW/PPP/ 1477 Dated 10/05/2021
2. Offer letter issued Vide Memo –DHCMCH/ 2899 Dated 02.12.2019 and AOC issued Vide Memo –DHCMCH/ 412 dated 24.02.2020 and site handover certificate issued dated 11.03.2020 by DGMCH.

Sir,

Reference above, the commissioning report of the unit has been received and attached with this letter for further necessary action. There are certain observed modification / correction that need to be complied with by the selected Private partners. This is related to 16 Slice CT scan machines and equipments.

The unit may be considered functional from date of Commissioning. All other formalities like signing of agreement with proper Bank Guarantee may be followed by Hospital Authority.

All concerned may be informed accordingly.



Special Secretary ME
& Chairperson, State Level Tender Selection Committee
for Fair Price Diagnostic and Dialysis Services

Copy forwarded for kind information please:-

1. Director of Medical Education, DoHFW, GoWB.
2. Director of Health Services, DoHFW, GoWB.
3. Secretary PPP, DoHFW, GoWB.
4. MD WBMSCL
5. Principal Diamond Harbor GMCH
6. Prof. Dr. Utpalendu Das, HOD, Radiology IPGME&R, SSKM Hospital,
7. Prof. Dr. Swadhapiya Basu, HOD, Radiology, NRS MCH
8. Prof Dr Madan Karmakar, Radiology IPGME&R, SSKM Hospital
9. Dr Sumit Chakrabarty, Radiology NRS MCH Hospital,
10. Procurement Manager, WBMSCL
11. TO SPSRC, PPP Cell,
12. Mediview Diagnostic Services Pvt Ltd
13. Co-coordinator IT for web posting
14. Senior PA to Secretary of the department.



Special Secretary ME
& Chairperson, State Level Tender Selection Committee
for Fair Price Diagnostic and Dialysis Services

Place of Certification: Diamond Harbour GMCH

Date of Certification: 11/05/2021

Name of the O & M Partner : Mediview Diagnostics Services Pvt Ltd

Comparative Data Table for Technical Specification of 16 Slice CT Scanner

Technic			
Sl. No.	Make & Manufacturer	Wipro GE Healthcare Pvt. Ltd.	Comments/Remarks
	MODEL	GE OPTIMA CT 540	Sl no: CBDFG2100031HM MODEL:5432539-3 MANUFACTURED: FEB 2021
1	Operational requirements		
	The spiral CT scanner system for high resolution whole body scanning. The instrument must be capable of acquiring minimum 16 slices per 360° rotation.	YES	Complied
2	Technical Specifications		
a)	Scan Time		
	The scan time for one gantry rotation of complete 360° rotation should be subsecond.	YES	Complied
b)	Scanning Capability		
i)	Pediatric and infant base protocols shall be available based on the infant weight	YES	Complied
ii)	Real time contrast monitoring acquisition with auto scan initiation protocol and with auto injector trigger.	YES	Complied
iii)	High Contrast Resolution should be at least 15 lp/cm for axial and spiral scan at 0% MTF	YES	19.7 lp/cm
iv)	Low contrast resolution should be at least 3 mm at 3%	YES	5mm at 0.3%
c)	Gantry		
i)	Aperture of 70 cm or more	YES	Complied
ii)	Auto Positioning Lights	YES	Complied
iii)	Should have FOV of at least 40 cm or more	YES	50 CM
iv)	Tilt remote physical tilt of +/- 30° or more	YES	+/-30
d)	Detectors		
	Data acquisition system capable of acquiring 16 Slices or more per 360° rotation with 20 or more rows of detector.	YES	24 ROWS OF DETECTOR
e)	Slice Thickness		
	16 slice acquisition with minimum thickness of 0.75 mm or less	YES	0.625
f)	Pitch Factor (Volume Pitch)		
	Should be variable between 0.5-2 or better and should be user selectable or automated. Specify all possible pitch selections.	YES	1.75:1(MAX) 0.5625:1 (MIN)
g)	Scan Time and length in Spiral/Helical Technique		
	Should be at least 100 sec continuous	YES	120
h)	X-Ray Generator		
i)	High Frequency type	YES	Complied
ii)	Power output: 48 KW or higher	YES	Complied (52800 KW)
iii)	Voltage Selection: 90-135KV or wider	YES	80-140 KV
iv)	mA Range: 300 mA or more (with incremental steps ≤ 10 mA)	YES	10 mA-440 mA
i)	X-Ray Tube		
i)	Anode Heat Storage Capacity- Minimum of 5 MHU	YES	6.3 MHU (As per DataSheet)
ii)	Anode Heat Dissipation: Minimum of 800 KHU/minute or more with latest technology	YES	840 KHU/MINUTE
iii)	Specify Max. mA (for each KV)		400 mA at 80 KV 420 mA at 100 KV 440 mA at 120 KV 380 mA at 140 KV
j)	Patient Table		
i)	Carbon Fibre Table Top with Load carrying capacity 200 Kg with 1mm positioning accuracy.	YES	227 KGS (As per Datasheet)

11-5-2021

1676902/2021/WBMSCL SEC

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Comparative Data Table for Technical Specification of 16 Slice CT Scanner

Technic			
Sl. No.	Make & Manufacturer	Wipro GE Healthcare Pvt. Ltd.	Comments/Remarks
	A Barcode reader for entering patient data from HIS RIS must be possible.	YES	Complied
iii)	Dose saving protocols must be available	YES	Complied
s)	Dry Imager Camera with		
i)	Resolution: 16 bits/ 500 dpi or more with minimum three ports.		Complied
ii)	Support Multiple Film Sizes: one of which must be 17"x14"		Complied
iii)	Throughput of 90 films or more per hour.		Complied
iv)	DICOM 3.0 Compatible		Complied
t)	LASER Colour Printer		
i)	DICOM 3.0 Compliant	YES	Complied
ii)	Resolution- at least 1200x1200 dpi.	YES	Complied
u)	Accessories		
i)	Lead Glass of size 100 X 150 cm	YES	Complied
ii)	Pressure Injector (300psi) with 100 syringes	YES	50 SYRINGES ARE ALREADY SUPPLIED, BALANCE 50 SYRINGES WILL BE DELIVERED ON 30TH MAY 2021
iii)	Patient Trolley	YES	Complied
iv)	UPS from reputed manufacturer having at least 30 minute back up with appropriate KVA	YES	Complied
v)	The equipment should be new and unused. The manufacturing date should not be more than 180 days when it would reach the consignee address.	YES	Complied
vi)	All patient positioning accessories including head rest	YES	Complied
vii)	Full composite Anaesthesia facility for paediatrics and adults is a must. (CE & US FDA certified)	YES	Complied
3	Standard & Safety		
	Should be of US FDA & CE ("Conformité Européene"), AERB approved	YES	Complied
	Site Preparation including interiors & Airconditioning		
	Area to be prepared including interiors: 750 sq. feet approx.		542.71 (Including Scan Room + Gantry + Console)
	(Only covered space would be provided to the supplier)		
	Vendor to prepare complete interiors including wall finish, flooring, false roofing, high quality room lighting, A/C ducting, Gas Pipelines etc.	YES	Complied
4	Warranty & CMC will include the following:		
a)	The equipment including all other accessories and ancillaries as given in the specifications of the equipment including, UPS, UPS Battery, X-Tube of CT Scanner, etc.	YES	UPS: EATON Sl no: DQO651XX07 MODEL:93E
b)	All the accessories and ancillaries including Air conditioning machine required for the site preparation and interiors		
	PRESSURE INJECTOR		MAKE: MEDRAD SL NO: 89669
	CONSOLE SL NO: 6623408M9		
	WORK STATION SL NO: CZC10698L5		

Additional work station to be installed and commissioned at the Radiology Dept. of Diamond Harbour GMCH by O & M Partner within 20.05.2021

11-5-2021

Place of Certification: Diamond Harbour GMCH

Date of Certification: 11.05.2021

Comparative Data Table for Technical Specification of 16

Technical Specification of 16 Slice CT Scanner			
Electrical			
Sl. No.	Make & Manufacturer	MEDIVIEW	Comments/Remarks
	MODEL		
	The interior work and lighting at the Gantry room, equipment room, console room, patient waiting area should be of good quality and standard. Selected bidder will be handed over covered space of carpet area around 750 sq feet.	YES	COMPLIED
	4. Air-conditioning machine: The total carpet area mentioned (i.e 750 cu ft. for one tone) has to be properly air-conditioned. Split / Ductable Split type AC machines having appropriate rating to bring down and maintain room temperature to be $20^{\circ} \pm 2^{\circ}$ celsius. There should be sufficient number of the AC machines to run the service round the clock (i.e 100 % backup). The service should be uninterrupted in case of breakdown of any of the AC machine(s).	YES	COMPLIED
	A/C ducting to be prepare, if required. Humidifier and Dehumidifier should be provided to maintain the humidity level at 40-60 % at Gantry room and in other area(s), if technically required.	YES	COMPLIED
	5. High quality room lighting (LED up to 400 LUX of illuminance)	YES	COMPLIED
	8. Wiring System:		
	a) Light, Fan, 5 Amp Plug: 3 X 1.5 sq. mm copper conductor FRLS wire should be provided.	YES	COMPLIED
	b) Power Plug (15 Amp): 2 X 2.5 + 1 X 1.5 sq. mm copper conductor FRLS wire should be provided.	YES	COMPLIED
	c) Split/ Ductable AC wiring: 2 X 4 + 1 X 2.5 sq. mm / suitable gauge copper conductor FRLS wire should be provided.	YES	COMPLIED
	Earthing: Two nos. Copper plate earthing as per PWD schedule	YES	COMPLIED



 11. 5-2021

Place of Certification: Diamond Harbour GMCH

Date of Certification: 11/05/2021

Comparative Data Table for Technical Specification of 16 Slice CT Scanner

Technical Specification of 16 Slice CT Scanner			
Civil			
Sl. No.	Make & Manufacturer	MEDIVIEW	Comments/Remarks
	MODEL		
	Site preparation including interiors and Air-conditioning		
	The interior work and lighting at the Gantry room, equipment room, console room, patient waiting area should be of good quality and standard. Selected bidder will be handed over covered space of carpet area around 750 sq feet.	YES	COMPLIED
1	Area to be prepared including interiors: Carpet area of 750 sq. feet approx. The area should have properly lead shielded wherever required as per BARC norms. (Only covered space would be provided to the supplier)	YES	COMPLIED
2	Height of the room (up to false ceiling): 3.0 m and above	YES	COMPLIED
3	General		COMPLIED
a)	Floor: Floor (except of CT room) should be of premier quality double charged joint less vitrified mirror polished tiles. Antistatic floor for CT room	YES	COMPLIED
b)	Ceiling: Ceiling should be of Mineral fiber board with aluminum grid. 2/3 coats of distemper on true ceiling	YES	COMPLIED
c)	Wall: Walls should be of premier quality double charged joint less vitrified mirror polished tiles up to false ceiling. Wall specification should be as per BARC norms	YES	COMPLIED
	Door for CT Room: Door: First quality seasoned shagoon wooden door of minimum 40 mm thick double leaf of width 1500 mm with 150 mm X 150 mm vision panel, plastic kicking plate fixed with headless screw, high gloss wax polish. The door should be fitted with proper locking arrangement, door closure, handle and stopper. Wooden frame from 125 mm x 100 mm of good quality Shal / Shagoon wooden block. The door(s) should be lead shielded as per AERB norms.	YES	COMPLIED
d)	Paint: 2 coats synthetic enamel paints over 2 coats primer over wall putty (if required)	YES	COMPLIED
e)	Viewing Window: Size of the Lead window should be at least 2" (H) X 4" (W)	YES	COMPLIED
4	Air-conditioning machine:		
	The total carpet area mentioned (i.e 750 cu ft. for one tone) has to be properly air-conditioned. Split / Ductable Split type AC machines having appropriate rating to bring down and maintain room temperature to be $20^{\circ} \pm 2^{\circ}$ celsius. There should be sufficient number of the AC machines to run the service round the clock (i.e 100 % backup). The service should be uninterrupted in case of breakdown of any of the AC machine(s).	YES	COMPLIED
	A/C ducting to be prepare, if required. Humidifier and Dehumidifier should be provided to maintain the humidity level at 40-60 % at Gantry room and in other area(s), if technically required.	YES	COMPLIED

11-5-2021

Comparative Data Table for Technical Specification of 16 Slice CT Scanner

Technical Specification of 16 Slice CT Scanner Furniture			
Sl. No.	Make & Manufacturer	MEDIVIEW	REMARKS
MODEL			
a)	Executive revolving chair with arm rest: 6 Nos. (Godrej/Featherlite or equivalent)	YES	COMPLIED
b)	Steel Almirah with Rack: 3 Nos. (Godrej or equivalent)	YES	COMPLIED
c)	Wooden Shoe Rack: 2 Nos (Godrej or equivalent)	YES	COMPLIED
d)	Crash Cart: 1 No. (Godrej/ Janak)	YES	COMPLIED
e)	i) 1800 mm Console table -1 No.with matching wall mounted cabinet	YES	COMPLIED
	ii) Additional Table for workstation size of (1800 x 800) mm- 1 No.(Godrej/Featherlite or equivalent)	YES	COMPLIED
f)	Customized cabinet for Gantry room as per requirement – 2 mtr x 2100 mm ht, made with 19 mm BWP plywood &inside outside laminated with best quality hardwares as required.	YES	COMPLIED
g)	Mirror in change Room with small storage rack and clothes Hook, Curtain with SS rods and Hooks- 1 No	YES	COMPLIED
h)	Wheel chair: 1 No	YES	COMPLIED
i)	LED view box for two films - 2 Nos	YES	COMPLIED
j)	Patient trolley with mattress with O2 Cylinder facility: 1 No.	YES	COMPLIED
k)	3 seater patient waiting chair and magazine racks (godrej / featherlite or equivalent) – 6 nos	YES	COMPLIED
l)	PA system with FM/USB facility (Sony/Philips/Bosch or equivalent)- 1 No.	YES	COMPLIED
j)	Night vision CCTV camera with proper coverage of patient waiting area, entry gate, console & UPS room with storage capacity of 15 days	YES	COMPLIED
k)	24x7 online dehumidifier-2 Nos.	YES	COMPLIED
l)	Fire sensors as per manufacturer specification (Honeywell / jonson or equivalent) and hand held Co2 extinguisher 3 kg – 6 nos	YES	COMPLIED
	Note: The items mentioned above are indicative in nature	YES	COMPLIED

11.5.2021