

Amendment –V

Date 31.08.2016

Ref: Tender No. HSCC/SJH/MED. Equt/2015/20 dt 09.07.2016

Subject: Procurement of Medical Equipment for New Emergency Block and super Specialty Block at Safderjung Hospital

Existing AS :

<u>Sr. No.</u>	<u>Description</u>	<u>Schedule</u>
<u>1.</u>	Closing date & time for receipt of Tender	<u>31.08.2016,14:30 hrs IST</u>
<u>2.</u>	<u>Time and date of opening of Techno Commerical Tender</u>	<u>31.08.2016,15:00 hrs IST</u>

To be Read as :

Existing AS :

<u>Sr. No.</u>	<u>Description</u>	<u>Schedule</u>
<u>1.</u>	Closing date & time for receipt of Tender	<u>07.09.2016,14:30 hrs IST</u>
<u>2.</u>	<u>Time and date of opening of Techno Commerical Tender</u>	<u>07.09.2016,15:00 hrs IST</u>

Technical Amendments:-

ITEM No. 6

Amended Specifications for 64 Channel Video EEG Machine Digital with Simulator with Central Reading Station

Amplifier for each system

Amended as: 64 Channels Amplifier(64) including 9 active/references and eight additional channels for polysomnography (ECG, EMG, Breath, oral nasal flow, respiratory belt etc) also any two channels can be configured as Bipolar, AC or DC through software wired(Ethernet 100 baseT, IP addressable, DHCP capable)

The system should have facility to do proper polysomnography with synchronised CPAP titration.

Impedance Measurement: Monitor Screen.

Amended as Acquires SpO2 and Plethysmography from integrated (module).

Amended as System should have modules for SpO2, and Heart Rate Monitoring

System must be supplied with manufacturer supplied video capturing hardware for high quality video

Common mode Input Impedance> 100 M Differential Input Impedance> 40 M

Amended as Bandwidth 0.048-5333 Hz(maximum)

Analog/Digital Converter Resolution:24 bits

ADC Resolution Voltage 0.153µV

DC Offset of at least $\pm 1200\text{mV Hz}$

Amended as Sampling Rate:8 KHz and higher

Point Deleted: Hot swappable Lithium ION Batteries with extra charger set for the system

Input Noise:< $1.5\mu\text{vpk-pk}$ @ 0.1 to 100 Hz. CMRR>110 dB

Acquisition Sensitivity: $1\mu\text{v}$ to $500\mu\text{v/mm}$ for individual channel.

Low Filter: Adjustable between 0.01 to 10 Hz.

High Filter: Adjustable between 15 to 2000 Hz

RF Patient Protection is must.

Point Deleted To connect automatically when disconnected from Ethernet and provision of communication through standard cable, locally and at remote site too.

Amended as: Built in Memory card of 32 GB or higher

Water proof pouch with belts etc for easy carrying & safety to the amplifier.

2 Waterproof cover for system for use during washing hours.

Acquisition Software

Individual Channel Control, easy customization of Montages, along with re-montage capabilities through m, toolbar-acceleration buttons.

Combine all users defined settings into templates or protocol, for use in different applications and the protocols should be available for user by a menu selection.

Arrange montages into sets for different patient groups & should display a graphical view of the current montage during the EEG recording.

Define new Sensors should be included as standard viz assign to amplifiers inputs, define traces in montage, define calculated channels (Average, Source/Laplacian), or define Trends.

Facility to click any point to display corresponding traces & Slide Pointer to change displayed duration of the Overview. Display of Time Scale in either elapsed time or time of day.

Sort able list of all events placed in the recording, both automatically and manually placed such that when event is clicked, it shows corresponding EEG.

Review and add events to recorded traces in Review Pane while still displaying live traces in Live Pane.

Automatic detection of bradycardia and tachycardia based on EKG or Pulse Sensor.

Facility to display the current numerical value of selected traces such as vital signs, or to indicate appearances of events like seizures.

Amplitude Integrated EEG(aEEG)- both bipareital and cross cerebral method. EEG

EEG Amplitude- Trend and Number

Spectral Edge Frequency-Trend and Number

EEG Power Spectrum

Comparison of signals from both hemispheres.

Brain Mapping through software.

Latest Spike and seizure detection & Polyomnography scoring software to be available with the system.

Enhance artifact and noise removal software for artifact.

Point Deleted ECG eliminators filters in both acquisition &. review mode

Should be able to give EEG data output in ASCII format.

Waveform freeze facility with simultaneously background recording/split screen.

Review Software(1 No for main system, 1 for additional review station which will be install in Neurology faculty room and connected to main system through proper networking/LAN total 02 software keys)

Point Added: Facility for automatic generation of report.

Point Added: Video Camera (2 Nos. for System) System should have facility for MPEG 4 Video Compression and should with high resolution PTZ ZOOM Camera and IR camera with video Mixer Wall mounted Sony/Panasonic High Resolution Digital Video Camera . .Perfect synchronization between Video & EEG Recording.

Specs for Video Camera as follows : ¼” Exview HAD CCD Sesnor ,Minimum Illumination 0.65 Lux , 28 x Optical Zooms lens Robotic Pan, Tilt and Zoom , Night Vision with IR Remote commander

Unit with Fast f/1.35 -3.7 Maximum Aperture .

Point Added HV and Photic Stimulator (1nos) HV AND PHV : Automatic time counters and events insertion during Hyperventilation

Photic stimulator : white LED Photic stimulator must be on the adjustable stand for better arrangement in less space with manual and automatic programmable through software.

Should be able to connect with any system.

Point Added Acquisition station computer (01 Nos) ; Wall mountable (Non Space Occupying)

The acquisition station computer should strictly be supplied by the manufacturer along with the system after passing the strict in house quality checks by the manufacturer to comply with medical equipment.

Latest Core i7 or better available processor

8 GB RAM or better available RAM

1 TB OR better available HDD

Preloaded Microsoft genuine windows 8 /(Compatible windows and bit to the software) ultimate with latest pack with Microsoft windows CD

DVD writer, key board ,optical mouse with standard accessories.

24 “ colored LED Display monitor

Good study mike to pick up sound (not collar wearable) in built speakers for hearing sound (not extra external speakers)

The system comes with its standard trolley and on the alter stage if we want it wall mounted it can be done without any other charges.

Point Added : Review Station Computer (01 Nos. Neurology faculty room):

The PC should be branded and not assembled

Latest Core i7 or better available processor

8 GB RAM or better available RAM

1 TB OR better available HDD

Preloaded Microsoft genuine windows 7 ultimate with latest pack.

DVD writer ,key board, optical mouse with standard accessories.

24 Colored LED Display monitor.

Easy Customization of montage and remontage to be possible during review on acquiring system or any other networked system.

Facility for viewing several recordings in tiled or cascading windows . Facility to review and run two events simultaneously.

Facility to review and prune /modify remontage the data recorded from these system on a CD/ DVD /Pen Drive on any PC without the need of loading additional Review Software

To provide the facility of individualized workspaces, such that individual users can select and save their interpretations, pruned portions of files, slideshows with annotations, within originally saved and pruned files.

Facility for Prune/ Trim down EEG or video to specified events along with user define time before or after.

Facility for Zoom/Magnify EEG Trace, Copy & Paste of EEG or trends to reports and presentations.

Facility to search EEG in a record by time.

All Vendors can visit the lab to evaluate the tentative installation site for acquisition and Review Stations. However these stations may be moved to other locations for which no extra charges will be given at later stage.

Printer(1 Nos for Acquisition Station and 01 No. Of Review Station): Colour Laser Printer.

UPS (01 Nos for Acquisition Station and 01 No of Review Station): UPS of suitable rating with MF Batteries with 1 Hour Back Up time.

Environmental Factors:

The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C & relative humidity of 15-90%.

General Specifications.

The system should be supplied with mountable trolley of good quality based on specification and design of principal supplied manufacturer along with isolation power transformer and power supply should be 220-224 V AC, 50 Hz fitted with Indian Plug. Resettable over current breaker shall be fitted for protection.

Voltage corrector/stabilizer of appropriate rating meeting ISI Specifications(Input 160-260 V & output 220-240 V & 50 Hz.

It is mandatory that the system should be Certified US FDA approved. Vendor to attach the Certificate clearly mentioning the model, address of manufacturer and validity on the certificate.

Compliance/ Regulatory Standards

Designed, tested, manufactured and certified to meet the following domestic(USA), Canadian, European and International Standards.

Patient Isolation BF

UL60601-1 Medical Electrical Safety Standard(USA)

CAN/CSA-C22.2 no. 601.1-M90 Medical Electrical Safety Standard(Canada)

EN/IEC 60601-1 Medical Electrical Safety of Medical Equipment(International and Europe)

IEC 60601-2-26

Particular Safety of electroencephalographs equipments

EN 60601-1-2 Collateral safety standard for EMC

European Community(CE Mark)

Medical Device Directive(MDD) product certified to comply to EC Directive 93/42/EEC USFDA Approved.

Consumables:

Compatible EEG net caps 3 of each small, medium and large size saline applicable(total 09)

Gold plated EEG Disc Electrode(length-1.5m)-100 Nos.

Ten 20 Paste, 228 Gms Jar-50 Nos.

Nu-Prep Gel, 114 Gms tube-50 Nos.

DVDs-100 Nos.

2 TB External HDD

Archiving of data:

Price of all accessories and amplifier and screen and software to be provided and freeze for 5 years. Periodic software updates to be done. Total Internet Security antivirus to be provided with system with free updates done every year till machine works.

Demonstration of equipment would be mandatory once technical bids are opened.

Comprehensive warranty for 5 years & 5 years CMC after warranty. No extra charges for warranty or CMC for above duration.

Documentation

User/Technical/Maintenance manuals to be supplied in English.

Certificate of calibration and inspection.

Should have local service facility & service provider should have necessary equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual.

Log book with instructions for daily, weekly, monthly & quarterly maintenance checklists. The job description of the hospital technician should be clearly spelt out.

Compliance report to be submitted in a tabulated & point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual will not be considered.

Amended Specification for operation table for Robotic surgeries

1. It should be a mobile universal electric / electro hydraulic operating table with five sections table top having specialized accessories for Urology and Transplant OT.
2. Should have st. steel column with integrated table top , all powered motorized movement including trendelenburg /Anti trendelenburg/lateral tilt/Back Section/Back lift for sitting position must happen with electric /electrohydraulic drive.
3. All table sections except half –back/ central section should be quickly detachable using easy latch mechanism to suit all surgical needs.
4. Should have removable and interchangeable head and leg sections with an auto locking mechanism to suit different functions and orientation identifiable by hand set.
5. The system should be modular and should have mechanically encoded coupling joints.
6. The system should have electrical and functional impact prevention safety with microprocessor and linear and granular position sensors to avoid collisions between the motorized sections and the table or the floor.

7. Table should be equipped with a motorized table top slide of approx 300-400mm or more

Amended as : The Motorized slide should be on both head and leg side of the table center.

8. All table positions height lateral tilt back trendelenburg reverse trendelenburg and zero leveling longitudinal sliding table base, beach chair locking and unlocking should be electric/ electro hydraulically operated using a touch switches on hand held controller . it should also indicate patient orientation as reverse /normal.
9. Should have automatic 0 (horizontal) position switch on handheld controller . Handset to provide Real time pictorial display of table and patient position for quick adjustment.
10. The table should be equipped with both electronic override stands by control panel embedded on top of the column body offering all the motorized control as in the hand held controller. Should also have manual back up from foot operated system.
11. Table top reconfiguration should be quick and uncomplicated . should have Head rest with gas spring double articulation type and pair of split LEG with 0 deg./90 deg. Abduction facility and leg section up / down $\pm 90^\circ$
12. Should have latest cordless Infra-red/Bluetooth Hand Control for all powered motorized / electro-hydraulic movements. Should also have min. two to maximum positions selectable by surgeon for pre determined table eg. Beach Chair

Amended as should also have min two memory programmed position table eg Beach Chair .

13. Fully Charged 2 x sealed gelified –lead 12 v batteries should be sufficient for full week operative schedule. The center column panel /base hand held controller should indicate the charging status and table battery status. Should be operational while batteries being recharged.

14. The table should have heavy duty minimum antistatic large swivel castors with central hydraulic locking.
15. The table top should be made up of scratch-less X-Ray C-Arm translucent material and should provide full access for C-arm permitting high quality images and should allow easy X-ray with cassette holder bracket through entire length of the table.
16. Should be radiolucent no metallic cross links between the bars. Table top frame , coupling points and standard rails should be resistant to disinfectant agents and constructed with easy to clean st. steel.
17. The base column should have cover of stainless steel and should prevent the ingress of fluid protection by PVC bellow
18. Should have moulded , antistatic with no seams, polyurethane/ Visco-elastic foam mattress with easy to fix Velcro system to stop slippage. Mattress must be latex free.
 19. Table electronics should allow table to be connected remotely for diagnostics and maintenance service saving time for productive surgery.
 20. Should have safe patient weight load capacity of at least 270 kg or ore in all positions. The stationary patient weight capacity should be 350 kg or more. the literature should support both types of weight capacities.
 21. Trendlenburg , tilt and height

Amended as : Trendlenbrug tiltand height position should also be operate able by Foot Controller .
 22. **Technical Specifications:** ± 5 % deviation is allowed.
 - a. : Height adjustment : min 580 -680 mm max 1000-1200mm
 - b. Side tilt: min,18-20 degree
 - c. Back (seat) section adjustment : -40 degree to +80 degree
 - d. Trendelenburg adusjtmnt: 30-40 degree
 - e. Reverse Trendelenburg adjustment : 25-30 degree
 - f. Max width: Min . 520 -560 mm with rails.
 - g. Overall length : 200^o/ 120^o
Amended as Overall Length : 2000-2100 mm
 - h. Motorized Longitudinal slide of 300-400mm or more
 - i. Flex/reflex: 220 /120
 - j. Kidney break /bridge elevation inches
Amended as : Kidney break / bridge elevation 3 to 4 inch
 - k. Power input to be 220 -240 VAC 50 Hz fitted with Indian plug
23. **SET of accessories from same source as table:**
 - a. Arm positioning support with radiolucent pad and clamps- one pair
 - b. Shoulder supports with clamps -one pair
 - c. Anesthesia screen – 1 no
 - d. Infusion pole – 1 no
 - e. Body strap with locking clamps -2 nos. (one large and one extra large)
 - f. Raised arm support-one

- g. Simple lateral support with rectangular rubber pads- one pair
- h. Lateral support articulated & rotatable and also height adjustable with rubber pads -one pair
- i. Adjustable instruments table , bridge shaped with camp –one
- j. HEAD Gel pad rings : 1 nos (one each for adult and pediatric)
- k. Set of visco /gel 3 D pads for supporting : Crutch stirrup pads(pairs), chest flat Roll , Gel Cushions-small and large , sacral pad, heels pads(pair) and lateral positioned gel pad – 1 each

24. Special Accessories SET for Urology & Renal Transplant Surgeries:

- a. Lithotomy Goepel leg support with Ball socket joint movement – One Pair
- b. Pneumatic stirrups for leg support with pads, boots & clamps -1pair
- c. Storages Cart for pneumatic leg supports

Amendment : Bidder should provide either 24 (d) or 24 (e) and (f)

- d. Uro Pan – 1 no.
- e. Uro fluid collection Flexible Band with (20) collection Bags- 1 set
- f. Patient transfer board mountable on leg end for easy transfer of patient to and from lithotomy position – 1 no.

Term and conditions:

1. should be compatible with da vinci Robotic system
2. In case the table is imported the accessories must also be imported with the table and must not be locally sourced .
3. The quoted equipment should be having US FDA approval or European CE certification and should confirm to CE & IEC Standards for such category of equipment meeting safely standards as per 93/42 EEC . Should meet IEC 601 -2-46 (EN 60601 -2 -46) Safety regulation applicable only to surgical tables.
4. Original catalogue and literature to be enclosed.
5. The vendor should have a good service and application back up along with instruments to provide an effective trouble shooting and support.(response time < 24 hours)
6. All technical bids comparative statements to the tender specification must be enclosed along with reference no. paragraph no.form original catalogue of the equipment.

ItemNo.5

Amended Specification Operations Table for General Surgery

TECHNICAL SPECIFICATIONS

1. **Amended as : Should be** a mobile universal electric operating table with 5 section table top. Having specialized accessories for General Surgeries. The table should be hundred percent oil free.
2. **Amended as :** Should have st. steel column with integrated table top, all powered motorized movements including Trendelenburg / Anti-Trendelenburg / Lateral Tilt / Back Section / Back Lift for sitting position must happen with electric.
3. **Should** have removable and interchangeable head and leg sections with an auto-locking mechanism to suit different functions and orientation identifiable by handset
4. The system should be modular and should have mechanically encoded coupling joints.
5. The system should have electrical and functional impact prevention safety with microprocessor and linear and angular position sensors avoid collisions between the motorized sections and the table or the floor.
6. **Table** should be equipped with a motorized table top slide of approx. 300-350mm or more
7. **Amended as** All table positions height, lateral tilt, back, trendelburg, reverse trendelenburg and zero leveling, longitudinal sliding, table base locking and unlocking should be Powered operated using a touch switches on hand held controller. It should also indicate the patient orientation as reverse / normal.
8. **Should** have automatic 0 (Horizontal) position switch on hand held controller.
9. The table should be equipped with both electronic override control panel embedded in the centre of the column body offering all the controls as in the hand held controller. Should also have manual back-up from foot operated system
10. **Table** top reconfiguration should be quick and uncomplicated. Should have head rest with gas spring, double articulation up/down -45 deg. to + 45 deg. and pair of split leg with Abduction facility and leg section up/down* - 90 deg. To + 90deg.
11. **Amended as Should** have latest Cordless Bluetooth Hand Control for all Powered motorized / Powered movements. Should also have min. two to maximum six memory position selectable by surgeon for pre-determined table positions
12. Fully charged 2x sealed gelified-lead 12V batteries should be sufficient for full week operative schedule. The centre column panel/base hand held controller should indicate the charging status and table battery status. Should be operational while batteries being recharged
13. The table should have heavy duty minimum antistatic large swivel castors with central hydraulic locking.
14. **The** table top should be made up of scratch-less X-Ray C-Arm translucent material and should provide full access for C-arm permitting high quality images and should allow easy X-ray with cassette holder bracket through the entire length of table.
15. Should be Radiolucent no metallic cross links between the bars. Table top frame, coupling points and standard rails should be resistant to disinfectant agents and constructed with easy-to-clean St. Steel.
16. The base column should have cover of stainless steel and should prevent the ingress of fluid protection by PVC bellows

17. Should have moulded, antistatic with no seams, Polyurethane foam Mattress with easy to fix Velcro/any other system to stop slippage. Mattress must be Latex free.
18. Table electronics should allow table to be connected remotely for diagnostics and maintenance service saving time for productive surgery
19. **Should** have safe patient weight load capacity of at least 250kg or more in all position. The stationary patient weight capacity should be 350kg or more. The literature should support both types of weight capacities.
20. The table should have additionally a foot operated controls unit for Trendelenburg / Anti-trendlenburg, tilt and height

21. Table SPECIFICATIONS: ± 5% deviation is allowed

- a. **Height** adjustment: min. 580-680 mm, max. 1000-1200 mm. Mattress – 5cm
- b. Side tilt: min, 18-20 degree
- c. Back (seat) section adjustment: -40 degree to + 80 degree
- d. Trendelenburg adjustment : 30-40 degree
- e. **Reverse** Trendelenburg adjustment : 25-40 degree
- f. : Max. width : Min. 520-580 mm with rails
- g. Overall length : 200-220 cm
- h. **Motorized** Longitudinal slide of 250-300mm or more
- i. Flex / reflex: 220 degree /120 degree
- j. Kidney break /bridge elevation > 4inches
- k. Power input to be 220-240 VAC, 50 Hz fitted with Indian plug

22. SET of accessories from same source as table:

- i. Arm positioning support with radiolucent pad and clamps – One pair
- ii. Shoulder supports with Clamps-One pair
- iii. Anesthesia Screen – 1 no.
- iv. Infusion pole – 1 no.
- v. Body strap with locking Clamps – 2nos. (One Large and One Extra large)
- vi. Raised arm Support - One
- vii. Simple Lateral support with rectangular rubber pads-One pair
- viii. Lithotomy Goepel Leg Support with Ball socket joint movement – One pair
- ix. Adjustable instrument st. steel table, bridge shaped with clamp- One
- x. Head Gel Pad ring- 1nos. – adult and pediatric each.
- xi. Set of Visco / Gel 3D pads for supporting: Chest flat Roll, Sacral pad, heels pads (Pair) – each.

21. Terms and conditions

1. In case the table is imported the accessories must also be imported with the table and must not be locally sourced.
2. **The** quoted equipment should be having US-FDA approval/European CE certification.
3. Original catalogue and literature to be enclosed.

4. The vendor should have a good service and application back up along with instruments to provide an effective trouble shooting and support. (response time < 24 hours)
5. All technical bids comparative statement to the tender specifications must be enclosed along with reference no., paragraph no. from original catalogue of the equipment.
6. : **Demonstration** should be provided if ask for.

ItemNo.2

Operations Table for Neuro SURGERIES

TECHNICAL SPECIFICATIONS

1. **Amended as : Should be** a mobile universal electric operating table with 5 section table top. Having specialized accessories for General Surgeries. The table should be hundred percent oil free.
2. **Amended as** Should have st. steel column with integrated table top, all powered motorized movements including Trendelenburg / Anti-Trendelenburg / Lateral Tilt / Back Section / Back Lift for sitting position must happen with electric .
3. **Should** have removable and interchangeable head and leg sections with an auto-locking mechanism to suit different functions and orientation identifiable by handset
4. The system should be modular and should have mechanically encoded coupling joints.
5. The system should have electrical and functional impact prevention safety with microprocessor and linear and angular position sensors avoid collisions between the motorized sections and the table or the floor.
6. **Table** should be equipped with a motorized table top slide of approx. 300-350mm or more
7. **Amended as** All table positions height, lateral tilt, back, trendelburg, reverse trendelenburg and zero leveling, longitudinal sliding, table base locking and unlocking should be Powered operated using a touch switches on hand held controller. It should also indicate the patient orientation as reverse / normal.
8. **Should** have automatic 0 (Horizontal) position switch on hand held controller.
9. The table should be equipped with both electronic override control panel embedded in the centre of the column body offering all the controls as in the hand held controller. Should also have manual back-up from foot operated system
10. **Table** top reconfiguration should be quick and uncomplicated. Should have head rest with gas spring, double articulation up/down -45 deg. to + 45 deg.and pair of split leg with Abduction facility and leg section up/down* - 90 deg. To + 90deg.
11. **Amended as : Should** have latest Cordless Bluetooth Hand Control for all Powered motorized / Powered movements. Should also have min. two to maximum six memory position selectable by surgeon for pre-determined table positions
12. Fully charged 2x sealed gelified-lead 12V batteries should be sufficient for full week operative schedule. The centre column panel/base hand held controller should indicate the charging status and table battery status. Should be operational while batteries being recharged
13. The table should have heavy duty minimum antistatic large swivel castors with central hydraulic locking.
14. **The** table top should be made up of scratch-less X-Ray C-Arm translucent material and should provide full access for C-arm permitting high quality images and should allow easy X-ray with cassette holder bracket through the entire length of table.

15. Should be Radiolucent no metallic cross links between the bars. Table top frame, coupling points and standard rails should be resistant to disinfectant agents and constructed with easy-to-clean St. Steel.
16. The base column should have cover of stainless steel and should prevent the ingress of fluid protection by PVC bellows
17. Should have moulded, antistatic with no seams, Polyurethane foam Mattress with easy to fix Velcro/any other system to stop slippage. Mattress must be Latex free.
18. Table electronics should allow table to be connected remotely for diagnostics and maintenance service saving time for productive surgery
19. **Should** have safe patient weight load capacity of at least 250kg or more in all position. The stationary patient weight capacity should be 350kg or more. The literature should support both types of weight capacities.
20. The table should have additionally a foot operated controls unit for Trendelenburg / Anti-trendlenburg, tilt and height

21. **Table SPECIFICATIONS:** $\pm 5\%$ deviation is allowed

- l. **Height** adjustment: min. 580-680 mm, max. 1000-1200 mm. Mattress – 5cm
- m. Side tilt: min, 18-20 degree
- n. Back (seat) section adjustment: -40 degree to + 80 degree
- o. Trendelenburg adjustment : 30-40 degree
- p. **Reverse** Trendelenburg adjustment : 25-40 degree
- q. : Max. width : Min. 520-580 mm with rails
- r. Overall length : 200-220 cm
- s. **Motorized** Longitudinal slide of 250-300mm or more
- t. Flex / reflex: 220 degree /120 degree
- u. Kidney break /bridge elevation > 4inches
- v. Power input to be 220-240 VAC, 50 Hz fitted with Indian plug

22. **SET of accessories from same source as table:**

- xii. Arm positioning support with radiolucent pad and clamps – One pair
- xiii. Shoulder supports with Clamps-One pair
- xiv. Anesthesia Screen – 1 no.
- xv. Infusion pole – 1 no.
- xvi. Body strap with locking Clamps – 2nos. (One Large and One Extra large)
- xvii. Raised arm Support - One
- xviii. Simple Lateral support with rectangular rubber pads-One pair
- xix. Lithotomy Goepel Leg Support with Ball socket joint movement – One pair

- xx. Adjustable instrument st. steel table, bridge shaped with clamp- One
- xxi. Head Gel Pad ring- 1nos. – adult and pediatric each.
- xxii. Set of Visco / Gel 3D pads for supporting: Chest flat Roll, Sacral pad, heels pads (Pair) – each.

21. Terms and conditions

- 22.** In case the table is imported the accessories must also be imported with the table and must not be locally sourced.
- 23.** The quoted equipment should be having US-FDA approval/European CE certification.
- 24.** Original catalogue and literature to be enclosed.
- 25.** The vendor should have a good service and application back up along with instruments to provide an effective trouble shooting and support. (response time < 24 hours)
- 26.** All technical bids comparative statement to the tender specifications must be enclosed along with reference no., paragraph no. from original catalogue of the equipment.
- 27. :** Demonstration should be provided if ask for.

Point Added: Special Accessories set for Neuro /SPINE Surgeries :

- 1.** Multipurpose radiolucent (carbon fiber : doro /Mayfield) skull clamp fixation systems **with swivel adaptor (carbon fiber)ling transitional member radiolucent (carbon fiber) coupling piece suitable complete with set of carbon fiber cross bar attachment for table and skull clamp and head positioning attachment.**
- 2.** Radiolucent neurosurgical horseshoe headrest with traction device(made of carbon fiber)adult 1 Nos
- 3.** Radiolucent neurosurgical horseshoe headrest with traction device(made of carbon fiber)Pediatric 1 Nos
- 4.** Skull pins for adult and children (6 no reusable of each type)
- 5.** Sitting neurosurgical position approx 90 degree (without any accessory should be possible) and should be complete with headrests adaptation yoke for skull clamp.
- 6.** C Arm Translucent spine bridge (Wilson bow frame) that has adjustable intraoperative to the desired lordosis to get optimal surgical site exposure along with carrying box 1 nos.
- 7.** For spinal surgery , a knee chest positioned should be provided along with related accessories such as pair of side (collage)adaptor and cylindrical thigh cushion for doing a knee chest position 1 nos.

ITEM 4. Technical Amendment of Neuro endoscope

Existing as: Fiber optic light cable qty. 1 size should be diameter >5.5 mm length >160 cm.

Amended as: Inner core diameter ≥ 3.5 mm and length of fiber optic cable ≥ 2.30 cm

New Point Added : All neruo endoscope +spine+skull base items should be from same manufacturers and should be medical grade.

New Point Added: all item should be USFDA and European CE Approved

Existing as Nero drill motor system Deleted

Amended as Motor System with color display stouch screen two motor output integrated irrigation pump and integrated scb module 100-240 50-60 HZ consisting of mains cord irrigator rod two pedal footswitch two stage with proportional functions silicon tubing set for irrigation sterilizable clip set for use with tubing set connecting cable length 100 cm single used tubing set sterile high speed micro motor max speed 60,000 rpm including connecting cable.

Existing AS: Endocart Trolley

Amended as should be deleted related to telescope

**Medical Superintendent
VMMC Safder jung Hospital New Delhi**

All other term & condition remain unaltered.

Amendment to be issued will be uploaded on website www.tenderwizard.com/HSCC & www.hsccltd.com

Submitted for approval Please

Sr. Manager (BME)

General Manger (Proc)

CGM