

OFFICE OF THE PURCHASE COMMITTEE NO:-II
(RATE CONTRACT COMMITTEE)
HEALTH & MEDICAL EDUCATION DEPARTMENT
GOVT. MEDICAL COLLEGE JAMMU.

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Sub:- Additions/Alterations in Tendered specifications of Machinery & Equipment for the year 2010-11

As per discussions in Pre Bid Meeting on tendered specifications of Machinery & Equipments for the year 2010-11 held on 12-08-2010 in the office chamber Medical Superintendent SMGS Hospital Jammu and representations received thereof from the different firms, alterations/deletion/ additions made by the concerned Head of the departments are mentioned below against each item for information of the participating tenderers. Rest of the specifications shall remain same:-

Item No:	Please Read
05	Defibrillator with capacity to Deliver Maximum energy of 200J or above With USFDA / CE Approval
08	Multiparameter Monitor (Portable) i. USFDA / CE Approval ii. Option to expand trend memory stands "deleted" iii. Instead of 3 & 05, it should read 05 Lead ECG
09	Transport ventilator i. Piston or pneumatic driven
13	ICU BEDS i. Material of Bed should be rust free alloy / metal
16	High End Ventilator <u>Sr. No. 04:</u> Trending facilities for 24 Hrs or more <u>Sr. No. 08:</u> APRV/ BPRV USFDA / CE Approval
17	Multiparameter Monitor with Defibrillator With capacity to deliver maximum energy of 200J or above. USFDA CE Approval
18	High end Anaesthesia Machine should have two inlet each for Oxygen and Nitrous Oxide and one inlet for air.

46	Fully automated coagulation Analyzer With External or internal printer
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52	It should be light weight so that it can be shifted from one place to another place with or without trolley (Stand)
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69	Endovenous diode laser 980nm to 1500nm With USFDA / CE Approval
77	Fluid Management System USFDA / CE Approval
78	Hemostasis Analyzer Thromboelastometer Already tendered specifications stands deleted Any USFDA CE Approved system shall be considered

83	LED OT Light Ceiling Mounted (Twin Dome) Intensity at 1m: 140000 to 150000 lux Approx (Satelete DOME) 180000 to 190000 lux Approx (main dome) Any USFDA CE Approved
104	Fully Automated Coagulation Analyzer LED Technology/ UV-Led Optional Option for cap piercing of patient and sample tubes stands removed
109	Automated Hematology Analyzer / Blood Cell Counter Fully Automatic 3 part differential with the following specifications: The instrument should have <ul style="list-style-type: none"> - Three part differential with maximum parameters - Window based operating platform with Key Board and USB Ports etc. - Speed not less than 60 samples per hour. - Automatic and manual calibration mode. - Good Quality Control. - Internal memory not less than 50000 test values with Histograms - Inbuilt thermal printer with optional external printer. - Color LCD Display. - Economical cost per test / cycle.

154	Trancranial Color Doppler (USB Compatible Trancranial Color Doppler) Multi-depth. M-mode. Multi-depth M-mode can quickly detect blood flow signals at different depths simultaneously and realize the following benefits. <ol style="list-style-type: none"> a) Improve detection of cerebral blood vessels efficiently, b) To compare spectra of abnormal and normal vessel segments diagnose vascular spasm, stenosis occlusion, c) To observe HITS(High Intensity Transient Signal)embolic signals Audio & Spectra Storage and Playback It can record complete clinical information including audio & spectra for storage and consultation. Full digital design enables the synchronous playback without time limitation, playback of raw audio, mode and FFT spectra using the reader software package, which provides convenience for clinical scientific research and communication. Professional Emboli Detection and Record With professional thrombus us-distinguishing technology, automatic detection and record embolus, synchronous playback of embolus spectra and audio. Automatic Report Output and Preview Should provide complete report and printout functions for clinicians and findings. Together with complete flexibility for FFT, -Mode and report printouts improve reporting efficiency. The report are configured in advance and offer a high degree of customization for the clinic or hospital. The images can also be saved in various formats for presentations in PowerPoint. Continuous Monitoring System Using dynamic monitoring mode with-depth and multi channel feature, bilateral trend monitoring for VMR studies or during intraoperative procedures to evaluate the cerebral hemodynamics of the patients. The data saved and can be replayed and post processed using the extensive tools available as standard CLINICAL DIAGNOSIS AND RESEARCH: <ul style="list-style-type: none"> • Diagnosis of cerebral, arterial, ischemia, cerebrovascular stenosis, occlusion, cerebrovascular spasm, intracranial arteriovenous malformation and subclavian steal syndrome. • Detection of intracranial hypertension and indirect verification of brain tissue perfusion. • Observation and treatment guidance of the occurrence and development of cerebrovascular spasm after subarachnoid hemorrhage and prognosis. • Research on migraine, and ischemic, cerebrovascular diseases. • Detection and follow-up of cerebral thrombosis.
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Technical Details for 32 Channel PC-Based EEG Machine

32 Channel PC-Based EEG machine having following features:

1. 32 Channel acquisition comprising of 24 EEG and at least 05 Bipolar Channels also usable as EEG, and 03 DC/transducer Channels.
2. True AC Impedance Check. Display numeric values of impedance for each electrode.
3. Complete Digital Headbox should be provided to provide excellent SIN performance.
4. Optical isolation of head box to electrically isolate patient from Data acquisition system should be provided.
5. Facility to print data with scale & without scaling.
6. Grid should be changed along with sweep speeds on monitor as well as printouts.
7. Choice of multiple references for Brain mapping i.e. CAR, AI, A2, Linked Ear, Cz
8. High performance machine capable of taking record in I.CU. Condition.
9. Facility to measure amplitude and time duration.
10. Facility for Auto searching of events & comments.
11. Facility to mark & delete events in analysis.
12. Facility to store pre-defined comments with user definable hot keys.
13. Different modes of going to any part of EEG i.e.
 - a. Page forward & backward.
 - b. Auto FWD & BWD
 - c. Event to event jump
 - d. Search bar
14. Online reformatting of HF, LF & Sweep speed should be possible.
15. CSA/DSA facility should be provided.
16. Facility to save 25 prereports for easy quick & Professional Report generation.
17. Facility to append data for any patient at any time.
18. Facility to change individual channel sensitivity, LF, HF on monitor as well as printouts.
19. High resolution, auto focus, cameras with remote control. Any part of body can be focused and zoomed for best view.
20. Patient data along with 'Video' should be stored on a CD and this data can be viewed on any computer without loading any additional software. Just insert the CD and select the desired patient from CD to analyze stored data.
21. Continuous trouble free recording for more than 24 hrs.
22. Unlimited data storage, depending upon Hard disk capacity.
23. Different options for storing data on a CD, along with Video
 - i. Event wise
 - ii. Page wise
 - iii. Full record
24. Patient photo can be printed on report.
25. Photo size can be changed as per requirement in analyze mode.
26. Smooth scrolling of EEG data with patient movements at same speed as in acquisition.
27. External event marker switch provided to enable patient's attendant to mark any abnormality in patient.
28. ChestRespiration Belt
29. Plethysmography
30. Sleep stages Scoring.
31. Automatic marking of K- Complexes, Sleep Spindels, REM.
32. Spike and Seizure Detection.
33. FFT FOR PPF ANALYSIS

34. Coherence and user -definable frequency bands	
35. Unit must be CE Certified.	
Page view time can be changed according to user choice from 1 sec -10 sec	
<u>Technical Specifications:</u>	
1. No. of channels :	: 32
2. A/D Conversion	: 14 bit ADC
3. Sampling Rate	: 1024 Hz
4. Sensitivity	: 1 to 1000 μ V/mm, User definable (1-9999 μ V/mm)
5. LF (Hz)	: 0.1, 0.3, 0.5, 1, 3, 5 Hz & User definable (0-7 Hz), Single Pole
6; HF (Hz)	: 15,35,70 and User definable (10-99 Hz), Single Pole
7. Notch Filter	: 50/60 hz
8. Input impedance	: > 10 M ohm
9. CMRR	: > 100 db
10. Noise level	: < 0.3 μ V RMS
11. NO. of Display Channels	: 32
12. Muscle Rej	: ON/OFF, 30 Hz double Pole

Sd/-
(Member Secretary)
Purchase Committee No-II
Health & Medical Education Department
Govt. Medical College Jammu

No: GMC/PC-II/
Copy to the:-

Dated:-

1. Principal, Govt. Medical College Jammu / Srinagar for information
2. Director Health Services Jammu / Srinagar for information
3. Vice Chairman Purchase Committee No: -II, (HOD ENT) Govt. Medical College Jammu for information.
4. Joint Director, Information Department Jammu for information and with the request to get the notice published in atleast two leading local papers with largest circulation for wider publicity and cutting be sent to this office for confirmation.
5. All concerned for information.