

## Annexure-A

Tender Notice No. E/1/RIMS-06

Imphal, the 20<sup>th</sup> Jan 2015

(1) Technical specifications for hyfreicator/electro-surgical unit (revised):-

- (i) Two distinct frequencies : Monopolar and bipolar
- (ii) Monopolar sockets, two in number-one each for high and low current intensity
- (iii) Linear intensity control (calibrated power output knob)- max power upto 300 watts
- (iv) Independent control for cutting/coagulation and fulguration
- (v) On/off switch with indicator light
- (vi) Insulated power cords with handle-both high and low voltage (I.e 220volt & 110 volt)
- (vii) Insulated bipolar sterile cables
- (viii) Remote control to change power setting
- (ix) Memory to store up to 3 power settings ( one per mode)
- (x) Dual microprocessors to control the output and functionality and to terminate activation if a safety hazard is detected.
- (xi) Wall mounted brackets.
- (xii) Must have foot plate, patient plate, footswitch and dispersion plate. Autoclavable power up/down hand pencil with at least 10 ft cord.
- (xiii) Power cord set as per Indian standards.
- (xiv) The unit should conforms to International standard- USFDA/ European CE

Complete with accessories:-

- (i) Disposable blunt tips
- (ii) Disposable sharp tips
- (iii) Extra fine needle electrode with 30<sup>0</sup> angled, 3/8 in., 1.0 cm.
- (iv) Two jeweler's micro tips
- (v) Reusable long sharp –tipped electrode used for treating small lesions
- (vi) Slightly thicker and angled electrode with a sharp tip
- (vii) Wire- loops (tungsten wires of 0.004, 0.007 and 0.009 inch in diameter
- (viii) Ball electrodes
- (ix) Bipolar forceps
- (x) Neutral silicon plate



(2) Digital video Dermatoscopy system with integrated camera

- (i) Digital video dermatoscope
- (ii) Inbuilt Digital HD Camera
- (iii) 20 x to 50 x varifocal lens with led illumination and dry polarized optics, desirable 20 -100 x
- (iv) 20 x, 30 x and 50 x contact adapters
- (v) Immersion fluid glass adapter 50 x with measurement scale
- (vi) Dermatoscopy software image view, capture and analysis with secure patient database
- (vii) Image capture footswitch
- (viii) Desktop holder
- (ix) Transport case
- (x) Desktop mounted on work station with following specifications:-
  - HD screen: 20-30 inch LED backlit matte
  - 1920 c 1080 resolution
  - Intel i7
  - 4 GB DDR3 RAM, Graphics card (2GB)
  - HDD 1 TB 7200rpm, DVD writer, mouse
  - USB Port 4-6
  - Full HD recording and storage facility
  - Suitable UPS
- (xi) ISO certified and international safety standard.
- (xii) Additional original software to be provided.
- (xiii) Onsite training.
- (xiv) Optional : 100 and 200 x with capillaroscopy adaptor and software.

3. Digital microscope with digital camera specifications:-

- (i) 5 mega pixel high definition digital camera
- (ii) Eyepiece WHB 10 x
- (iii) Mechanical stage
- (iv) Plan Achromatic objectives 10 x, 40x, and oil immersion 100x.
- (v) Universal infinity corrected (UIS2) optical system
- (vi) Inter papillary distance 48- 75 mm
- (vii) Built in transmitted Koehler illuminator
- (viii) 6V 30 W Halogen bulb
- (ix) Abbe condenser
- (x) Built in aperture Iris Diaphragm
- (xi) Movement range 76 mm X- direction x 55 mm Y- direction.



#### 4. Q Switched ND.YAG Laser.

- (i) Wavelength : 1064/532 nm
- (ii) Pulse width : 8 ns,
- (iii) Spot size 1 – 7 mm
- (iv) Beam mode: VRM
- (v) Repetition rate: 1-10 Hz, 8.0:
- (vi) TFT screen

#### 5. Ultimate Phototherapy unit

##### a) Phototherapy whole body unit

- (i) With 24 NBUVB (311 nm) 100 W Philips Holland Tubes (TL 100/01 with inbuilt Multisensor dosimeter with Dynamic range
- (ii) Angular sensitivity (DRAS) technology
- (iii) Personalized Phototherapy Patient
- (iv) Data cards 100 nos.

##### b) NB UVB COMB & PUVA COMB

##### c) Multi utility Photo therapy unit (311 nm)

- (i) Philips Holland tubes with onsite calibration technology for safe dosimetry
- (ii) dust cover and personalized phototherapy
- (iii) Patient data cards 100 nos.



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