

Running Contract Details	
Equipment Name	Modified ECT Machine with EEG Monitor
Running Contract Valid Till	07-03-2021
Tender Ref No	KMSCL/EP/T307/1354/2019(R)
Tendered Quantity	10
Supplier Name	M/s Universal Agencies
GST No	32AAAFU5662Q1ZQ
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
Palakkal Angadi Thrissur-680001	Contact Person	Mr. Renjith Menon, Mr.Manoj kumar
	Phone	0487-2440319, 0487-2427031
	Mobile No	9072844272, 9447053244
	Email	uniage.sales@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>Modified ECT Machine with EEG Monitor</b> <i>Model &amp; Make : ECT MEDICA BPE-2000 / MEDICAID SYSTEMS.</i>	330400 Incl.GST :12%	24367	354767
		<b>330400</b>	<b>24367</b>	<b>354767</b>

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
<b>Modified ECT Machine with EEG Monitor</b>							
Labour	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
Comprehensive	10,000.00	12,000.00	14,000.00	16,000.00	18,000.00	20,000.00	25,000.00

**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% 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 :Modified ECT Machine with EEG Monitor**

1. Channels : 2 channels( ECG & EEG)
2. CMRR : > 90dB
3. A/D Resolution : 12 bits unipolar.
4. Low-pass frequency (Hz) : DC, 0.1, 0.3, 0.5, 1, 3, 5, 7, 10
5. High-pass frequency (Hz) : 0.1, 0.3, 0.5, 2, 10, 15, 35, 70, 99
6. Sensitivity ( $\mu$ V) : 1, 2, 3, 5, 7.5, 10, 15, 20, 30, 50, 75, 100, 200, 300,  
500, 750, 1000, 1500
7. Max. sampling rate : 256
8. Interface : RS-232 interface
9. Modes :
  - i. Brief pulse mode
  - ii. Sine wave mode
10. Brief pulse : Bi-directional square wave.
11. Brief pulse mode :
  - i. Frequency
  - ii. Duration
  - iii. Pulse width
  - iv. Current selectable by user
  - v. Energy automatically calculated by the micro computer
12. Frequency : selectable 30 Hz-90Hz in 7 steps of 10 Hz each.
13. Pulse width : selectable 0.8 ms-2.0 ms in 7 steps of 0.25 secs each.

14. Duration : selectable from 0.5 secs to 2.0 secs in 7 steps of

0.25 secs each

15. Current : 500 mA- 800 mA in 7 steps of 50 mA each

16. Energy : Energy is delivered according to the head

impedance calculated and the set parameters.

17. Sine wave

i. Current : 650mA (fixed)

ii. Frequency : 50Hz (fixed)

iii. Duration : 0.5 ms (fixed)

18. Energy : Energy is delivered according to the heard

impedance calculated and the set parameter

19. Recording section : The unit is equipped with a two channel monitoring

system. EEG/ECG traces can be run before

and after treatment to monitor the patient's EEG

&ECG traces.

20. Software features :

i. Session wise records are saved for each patient.

ii. View/ edit/ delete any session at any time.

iii. Search facility should be available for patient's database.

iv. All the parameters of a session & shock settings should be saved for review.

v. Event marking facility.

vi. Automatic report generation.

vii. Print preview & print out for waveforms & report.

viii. Time measurement tool

ix. Peak to peak measurement tool.

x. Heart rate measurement tool.

xi. Selectable filters, sensitivity, deflection & channel color

xii. Raster & continuous viewing of waveforms.

21. Standard accessories :

- i. Rubber strap head band ( Velcro type ) 1 No
- ii. Perspex type head band : 1 No
- iii. Limb electrodes : 4 Nos
- iv. EEG electrodes : 6 Nos
- v. EEG paste : 1 Jar
- vi. KY Jelly : 1 Tube.
- vii. Earthing cord : 1 No
- viii. Dust Cover : 1 No
- ix. Instruction Manual : 1 No

22. Standard Accessories

- i. Head band : 1 No
- ii. Electrodes : 10 Nos
- iii. Disposable electrodes : 20 Nos
- iv. Paste : 1 Jar
- v. Conductivity Jelly : 1 No
- vi. Earthing cord : 1 No
- vii. User manual : 1 No

23. Should have safety certificate from a competent authority CE issued by a notified body registered in European commission / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.