

Running Contract Details	
Equipment Name	EMG Machine
Running Contract Valid Till	02-11-2020
Tender Ref No	KMSCL/EP/T277/276/2018
Tendered Quantity	50
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	EMG Machine <i>Model & Make : NEUROSTIM (NS-4) Window based Computerised EMG/NCV/EP System four Channel / MEDICAID SYSTEMS</i>	211680 Incl.GST :12%	15611.4	227291.4
		211680	15611.4	227291.4

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
EMG Machine							
Labour	3,000.00	3,000.00	3,000.00	4,000.00	5,000.00	5,000.00	5,000.00
Comprehens ive	8,000.00	9,000.00	10,000.00	11,000.00	12,000.00	13,000.00	14,000.00

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 :EMG Machine

1. Should be a PC based system. Should have adaptor box with dedicated keyboard on it or if possible all controls shall be on the amplifier box.
2. It shall have option to feed patient information such as ID, Date, Patient nformation, Age, Sex, Height, Physician, Technician, Ref. Physician Diagnosis etc.
3. It shall continuously display patient information test name and nerve being tested
4. It shall have shock stimulator, headphones for auditory stimulator and extra monitor for VEP stimulator
5. Smooth Expandable arm for holding EMG amplifier shall be provided
6. Amplifier box shall be easily mountable / demountable from the stand
7. It shall have volume control ON/OFF switch on the amplifier box
8. Adaptor box shall have provision for grounding
9. It shall have inbuilt speaker for EMG
10. It shall have provision to switch ON/OFF and save the waveforms from the shock handle only
11. Shock handle shall have provision to give shock to the adults as well as pediatrics
12. It shall fully isolated shock stimulator and amplifier for patient safety
13. It shall have footswitch for start/stop/save
14. It shall have compatibility with USB1/USB2
15. It shall have inbuilt battery backup for atleast 30 minutes or more.
16. It should have EMG / NCV / EP Studies with following features.
 - a. Channels : 4
 - b. Sensitivity : 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500 Y/div;
1,2,3,5,10,mV/div.
 - c. High cut : 2 pole (12 dB / octave) filter,

selectable at 100, 200, 500 Hz, 1,2,3,5,10 khz.

d. Low cut : Selectable at 0.2, 2, 20, 30, 100, 200, 500 hz.

e. Sweep speeds (NCS & EP) : 1 to 500ms/div. in 17 steps.

(1,1.5,2,3,5,7.5,10,15,20,30,50,75,100,150,200,300,500)

f. Sweep speeds (EMG) : 2 to 500 ms/div in 12 steps

(2,4,6,10,20,30,50,100,150,200,300,500)

g. CMRR : >100dB

h. Input impedance : >100 M Ohms (common mode)

i. Noise : 3pV peak to peak (10Hz to 10khz)

j. A/D Converter : 14 bit analog-digital conversion.

k. Averager : Number of averages per channel 2 to 10,000

l. Electrical stimulation : 0.05, 0.10, 0.20,0.50, 1.0ms

m. Repetition rates

: 0.5, 1,3,5,10,15,20Hz pps regular or random repetition rates depending on stimulus type, sweep speed and control.

n. Electrical stimulator

: should have independent control, Hand held type having constant current electrical stimulator with stimulus intensity dial and stimulus trigger on handle with electrical range of 0-100mA with adjustable duration, intensity and repetitive rate.

o. Auditory stimulator

: Should be a headphone having frequency range 0.25-8kHz, 0-100 dB intensity, having presentation on left, right or both ears, Pulse duration of 100us square wave clicks.

p. Visual stimulator

: Should have a monochrome VEP monitor for black and white, pattern reversal check board simulation, vertical bars, horizontal bars.

OTHERS

1. All the equipments supplied should operate from 200 to 240Vac, 50 Hz input supply.

2. Should be supplied with a PC of adequate configuration having HDD of storage not less than 360 GB HDD, DVD/CD writer, Colour Printer & USB Port.

3. Monitors provided along with PC should be 17" LCD / TFT and Colour Printer should be Colour Inkjet Printer.

4. Should supply online UPS of sufficient capacity with 1 hour backup to connect all the equipments supplied except Tread Mill system.

5. Should be supplied with a suitable Cart for keeping the equipment, PC, Printer and all the accessories.

6. Should supply the following accessories and consumables.

a. EMG / NSV disc electrodes.

b. Sensory ring electrodes.

c. EMG needle electrodes.

d. Stimulating electrodes.

e. Conductive gel & EPP paste.

f. Measuring tape 7 market.

g. Single fiber EMG facility

h. Autonomic nervous system testing kit.

i. Collision technique.

7. Should have safety certificate from a competent authority CE / 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.