



Ref: **INS/L-5475/2018-2019(Y)**

Date : 17/09/2018

ENQUIRY

Dear Sirs,

Please let us have your lowest Quotation for the following :

Sl.No	Cat.No	Item Description	Make/Model	Item Qty	UOM
1		Leakage clamp meter (as per the specification enclosed)		1.00	No.
2		AC DC clamp on meter (as per the specification enclosed)		2.00	Nos.
3		Digital Earth resistance tester (as per the specification enclosed)		2.00	Nos.
4		Insulation resistance tester-1 (as per the specification enclosed)		2.00	Nos.
5		Insulation resistance tester - 2 (as per the specification enclosed)		1.00	No.
6		non contact digital tachometer (as per the specification enclosed)		1.00	No.
7		Digital insulation oil tester(as per the specification enclosed)		1.00	No.
8		RCCB testing kit(as per the specification enclosed)		1.00	No.
9		Under ground cable fault locator (as per the specification enclosed)		1.00	No.
10		μ? Meter(as per the specification enclosed)		1.00	No.
11		Digital Lux meter(as per the specification enclosed)		1.00	No.



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Remarks :

Note :

1. The bids shall be enclosed in an envelope , and due date sealed duly marked "Tender for _____" Ref No : _____. The bids should be addressed and to be mailed to **"THE HEAD-PURCHASE"**. The bids are liable to be rejected if the sealed envelope is not addressed to **"THE HEAD-PURCHASE"** with Tender Ref No and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail , it should reach by submission Date and Time and inStem will not be responsible for the delay.

2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS

24/09/2018 Till 2.30 p.m.

3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.

4. The Validity of your quotation should be for 60 days from the date.

5.All duties,taxes,surcharge and cess as currently applicable must be sated in your quotation,seperately.Otherwise your quote is liable to be rejected.

6.Your quotation should indicate delivery period & Warranty period.

7.Delivery to be made to our Stores.Please indicate charges,if any extra.Transit Insurance should be done upto inStem Stores.

8.If you are unable to supply the quality,specifications or brand as mentioned in our enquiry,Please state so and then offer alternative to quality/Specifications.

9.Payment :within one month after delivery & acceptance/satisfactory installation.

10.Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.

11.Since we are a public funded research institution,we are exempted from paying Customs Duty(Except advolerum duty of 5% + 2% cess and CVD @4% vide Notification No.51/96 with latest amendments) and excise duty vide Notification No.10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments,technical instruments,equipments(including computers),their accessories,spares,consumables and software.Hence,please offer your prices taking this option into consideration.

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12.If the item is covered under DGS&D rate contract,please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.

13.Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees.The decision of the arbitrator shall be final and binding on the parties.The venue for arbitration shall be Bangalore.The provisions of the Arbitration and Concillation Act,1996 as amended from time to time shall apply.The Courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.

Yours faithfully

For and on behalf of Insitute For Stem Cell
Biology and Regenerative Medicine



Yesu R

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INS/L-5475/2018-2019(Y)**SPECIFICATION OF INSTRUMENTS****1 – Leakage Clamp Meter**

Description	Range	Resolution	Accuracy
Leakage current	30-300mA	0.01/0.1mA	$\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$
Normal current	30-250A	0.01/0.1A	0-200 A: $\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$. 200-250 A : $\pm 3.0\% \text{ rdg} \pm 5 \text{ dgt}$. 250-300 A : $\pm 5.0\% \text{ rdg} \pm 5 \text{ dgt}$
Jaw Opening Capability	35 to 40 mm		
Maximum Indication	3000 counts		
Low Battery Indication	2.5 V- 2.7 V, "G::I" mark on L.C.D		
Over load indication	"OL" mark on LCD		
Data Hold Indication	" DH" mark on L.C.D.		
Sampling Time	Approx. 2 times 1 sec.(Digital Display) approx.12 times 1 sec (bar graph display)		
Auto Power Off	YES		
Voltage withstanding Voltage	AC 3700 V 1 minute max.(between the core of CT and the unit housing)		
Power Supply	2 X 1.5 V button cells LR44 or SR 44		
Battery life	Approx.50 hrs (LR44)		
Operating Temperature	0°C to 40°C < 80% RH		
Safety	Meets the requirements for double insulation to me 1010-2-032, me 1010-1 (1995), EN 61010-1(1995) installation Category II 600V phase to earth, Category III 300V phase to earth		



2- AC DC Clampon meter

Type of Product	Digital AC/DC Clamp Meter
Sensing	True RMS
DC Current Range	0-2000 A
DC Current Accuracy	(2.0 % \pm 5 Digits)
DC Voltage Range	0-1000 V
DC Voltage Accuracy	1% \pm 2 digits
AC Current Range	0-2000 A
AC Current Accuracy	2 % \pm 5 Digits
AC Voltage Range	0-1000 V
AC Voltage Accuracy	1.2 % \pm 5 digits
Resistance Accuracy	1.0 % \pm 5 digits
Capacitance Range	25nF-25 μ F
Frequency	0-100 KHz
Temperature Range	-10° to 400°C
Operating Environment	10° to 50°C
Storage Environment	-40° to 60°C
Includes	Test Leads , Soft Case , User's Manual
Category Rating :	CAT III 600 V , CAT IV 300 V
Design	Slim, ergonomic
Warranty	2 year
Continuity	<10 ohm(buzzer or sound)
Button	Hold
Display	Large
Preferred Make	Fluke/Hioki/Yokogawa/Motwane/Meco



3- Digital Earth Resistance Tester

Display	2.7" LCD
Earth Resistance Measurement and accuracy	$20\Omega \pm(2\%+10)$; $200\Omega \pm(2\%+3)$; $2000\Omega \pm(2\%+3)$
Auto power off	Yes
Warranty	2 year
Accessories for measurements earth resistance	GI Spike rods length 300mm while one end pointed other end circular for inserting into earth (2sets), insulated single core copper wires of size 1.5sqmm of Finolex or Havells 2 sets (20mtr each), 4.5kg Sledge Hammer - 1 set

4- Insulation Resistance Tester -1

Type	Digital Insulation resistance Tester
Display	3½ Digit LCD Display $\pm(3\%rdg+5\text{ dgt.})$
Accuracy	
Range	1kv,2.5kv,5kv
Extra facility(optional)	Phase sequence,AC voltage
Warranty	2 years

5- Insulation Resistance Tester - 2

Type	Analogue Insulation resistance Tester
Body	Metal Body/ ABS
Voltage	500 V DC
Resistance	>50 Mohm
Display	Analogue
Generator Rotation Speed	160 rpm(Hand driven)
Warranty	1 year



6- Non Contact LCD Tachometer

PRODUCT SPECIFICATIONS

Warranty	2 years
Range	2.5 - 99,999 rpm
Battery Type	4 X 1.5V AA
Accuracy	0.225% +1 digit
Display Type	LCD
Display	5 digits, 10 mm
Resolution	0.1 rpm
Warranty	1 year

7 - Digital Insulation Oil Tester

Major Technical Specifications:

Output voltage:	0-80kV, (100 kV optional).
Resolution:	0.1KV
Measuring accuracy :	$\pm(2\% \times \text{reading } 0.2\text{kV})$
Voltage boosting speed:	0.5, 1.0, 2.0, 3.0kV/S (Optional)
Breakdown cutting time:	$\leq 1\text{ms}$
Test times:	6 times (Optional from 1 to 6 times)
Capacity of oil cup:	400ml 200 ml
Distance between electrodes	2.5mm (Clearance between electrodes is adjustable)
Ambient temperature:	0C to 40C
Relative humidity:	$\leq 80\%RH$, non-condensation
Voltage of power supply:	AC 220V $\pm 10\%$
Frequency of power supply:	50HZ
Micro controller based	Yes
Protections	over voltage, over current, automatic return-to-zero and grounding etc.
Display	Digital
Print	Yes
Onsite Training to operate the machine by the supplier	Yes
Warranty	3 years



8 - RCCB – Testing kit with Timer

Display	· mA Current LCD/LED display with DPM module.
Timer	· 4 digit electronic timer with LED display to record trip time.
Application	· Ideal for both Domestic and Industrial types.
Range	10 – 60mA / 100 – 500mA residual current.
Application	· Testing of ELCB / RCD / RCCB
Input	230V AC
Unit packed inside a	VIP/Aristocrat suitcase.
Onsite Instrument Demo by the supplier	Yes
Warranty	2 years

9 - Under Ground Cable Fault Locator GENERAL

SPECIFICATIONS :

Display Readout :	Color LCD :
Continued operating time :	8 Hours
Charging time :	3 hours
Power Supply :	7.4V Rechargeable Li-ion battery. Charging voltage 230V +/-10%, 50Hz, single phase.
Storage Temperature :	-15°C ~ + 55°C; RH <85%RH.
Body	ABS plastic
Measurement maximum	10 km in selectable ranges.
Testing cables	Aluminum (Power cables), copper(Power cables), telecom and signal cables.
Display	LCD Display
Testing Mode	Automatic and Manual testing mode.
Interface with PC and memory	With 4 GB USB Pen drive, it is easy to upload memory data to computer.
Battery	Rechargeable lithium battery with intelligent charger
Construction	easy to carry on site.
Warranty	3 years
On site training for the instrument by the supplier	Yes





10 - $\mu\Omega$ Meter Product description:

Display	4-1/2 Digit LED
Method	4 Terminal Measurement method
Range	200m Ω (resolution 10 $\mu\Omega$), 2 ohm(resolution 100 $\mu\Omega$), 20 Ω (resolution 1m Ω) , 200 Ω , 2k Ω , 20 k Ω , to 200 k Ω
Compatible	RS232C interface (OP-232)
Input	230V Single Phase AC 50Hz
Overload	Indicates/Flashes

11- Digital Lux Meter

Display	LCD
Range	0.1 Lux to 2 Lac Lux
Accuracy	$\pm 5\%$
Power supply	Battery

