



MASTER LIST OF EQUIPMENTS

E&I-F-13 REV.01  
EFF 01 Oct 20

Date : 6-10-2020

S.No.	Equipment	Item Code	Manufacturer	Model	Ref.No / Ser. No	Required Accuracy (Error + Uncertainty)	Calibration Frequency	CAL. SOURCE (internal or External)	Calibrating Agency	Calibrated on	Next Calibration due	<u>Master Valid on</u>
1	MULTI FUNCTION CALIBRATOR	<u>E&amp;I-01</u>	DIGICON	PC-2035	995699752	DCV : 50mV : ± 0.02mV	Yearly	External	SYSTRONICS CO.,LTD.	15-Sep-20	15-Sep-21	16-Sep-20
	MULTI FUNCTION CALIBRATOR	<u>E&amp;I-01</u>	DIGICON	PC-2035	995699753	DCV : 500mV : ± 0.2mV	Yearly	External	SYSTRONICS CO.,LTD.	15-Sep-20	15-Sep-21	16-Sep-20
	MULTI FUNCTION CALIBRATOR	<u>E&amp;I-01</u>	DIGICON	PC-2035	995699754	DCV : 5V : ± 0.002V	Yearly	External	SYSTRONICS CO.,LTD.	15-Sep-20	15-Sep-21	16-Sep-20
	MULTI FUNCTION CALIBRATOR	<u>E&amp;I-01</u>	DIGICON	PC-2035	995699755	DCV : 50V : ± 0.02V	Yearly	External	SYSTRONICS CO.,LTD.	15-Sep-20	15-Sep-21	16-Sep-20
	MULTI FUNCTION CALIBRATOR	<u>E&amp;I-01</u>	DIGICON	PC-2035	995699756	DCmA : 50mA : ± 0.02mV	Yearly	External	SYSTRONICS CO.,LTD.	15-Sep-20	15-Sep-21	16-Sep-20
	MULTI FUNCTION CALIBRATOR	<u>E&amp;I-01</u>	DIGICON	PC-2035	995699757	Resistance : 500 Ω : ± 0.25Ω	Yearly	External	SYSTRONICS CO.,LTD.	15-Sep-20	15-Sep-21	16-Sep-20
	MULTI FUNCTION CALIBRATOR	<u>E&amp;I-01</u>	DIGICON	PC-2035	995699758	Resistance : 5 kΩ : ± 0.0025kΩ	Yearly	External	SYSTRONICS CO.,LTD.	15-Sep-20	15-Sep-21	16-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	AC Current ( 40A ) : ± 1.0A	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	AC Current (400A :range 15.0-299.9A) : ± 10.0A	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	AC Current (400A :range 300.0-400.0A) : ± 10.0A	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	DC Current ( 40A ) : ± 1.2A	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20

	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	DC Current (400A :range 15.0-299.9A) : ± 10.0A	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	DC Current (400A :range 300.0-400.0A) : ± 10.0A	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	ACV (400V) : ± 5V	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	ACV (600V) : ± 5V	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	DCV (400V) : ± 5V	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	DCV (600) : ± 5V	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	Resistance : 400Ω : ± 5Ω	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
2	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	Resistance : 4000Ω : ± 50Ω	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
3	STANDARD WEIGHT 50 KG	<u>E&amp;I-03</u>			I50K1485-13	± 10 g	Monthly / Yearly	Internal/External	Thai Calibration Services Co.,Ltd	30-Sep-20	30-Sep-21	30-Sep-20
4	STANDARD WEIGHT 20 KG	<u>E&amp;I-04</u>			I20K1426-13	± 5 g	Monthly / Yearly	Internal/External	Thai Calibration Services Co.,Ltd	30-Sep-20	30-Sep-21	30-Sep-20
5	TRUCK SCALE 80,000 KG	<u>E&amp;B-05</u>	METTLER TOLEDO	IND560 PDX	B311129930-P	± 20 KG	Yearly	External	METTLER TOLEDO	14-Sep-20	14-Sep-21	14-Sep-20
	INFRARED THERMOMETER	<u>E&amp;I-06</u>	AZ	8868	9920708	(-20 to 100 °C) : ± 2 °C	Yearly	External	SYSTRONICS CO.,LTD.	11-Sep-20	11-Sep-21	11-Sep-20
6	INFRARED THERMOMETER	<u>E&amp;I-06</u>	AZ	8868	9920708	(100 to 420 °C) : ± 3 °C	Yearly	External	SYSTRONICS CO.,LTD.	11-Sep-20	11-Sep-21	11-Sep-20
7	VERNIER CALIPER	<u>E&amp;I-07</u>	INSIZE	1112-200	1204122068	± 0.01 mm	Yearly	External	SYSTRONICS CO.,LTD.	11-Sep-20	11-Sep-21	11-Sep-20

8	SURVEY METER	<u>E&amp;I-08</u>	LUDLUM MEASUREMENTS,INC.	14C, PR#44-9	299821, PR#PR325688	± 120 µSv/h	Yearly	External	DOSIMETRY CALIBRATION LABORATORY	19-May-20	19-May-21	19-May-20
9	PRESSURE GAUGE 10 BAR	<u>E&amp;I-09</u>	YANTRIKA	TG01.250.0010 B	G13F0502	± 0.2 bar	Yearly	External	MICRO PRECISION CALIBRATION LABORATORY	25-Jul-20	25-Jul-21	25-Jul-20
10	PRESSURE GAUGE 1 BAR	<u>E&amp;I-10</u>	YANTRIKA	TG01.250.0001 B	G13F0504	± 0.02 bar	Yearly	External	MICRO PRECISION CALIBRATION LABORATORY	25-Jul-20	25-Jul-21	25-Jul-20
11	LUX METER	<u>E&amp;I-11</u>	AMTAST	LX-90	S927749	(2000Lux range : reading x 1 Lux : ( 100Lux : ± 10Lux)	Yearly	External	PRECISION STANDARD LABORATORY	25-Aug-20	25-Aug-21	25-Aug-20
	LUX METER	<u>E&amp;I-11</u>	AMTAST	LX-90	S927749	(2000Lux range : reading x 1 Lux : ( 500Lux : ± 20Lux)	Yearly	External	PRECISION STANDARD LABORATORY	25-Aug-20	25-Aug-21	25-Aug-20
	LUX METER	<u>E&amp;I-11</u>	AMTAST	LX-90	S927749	(2000Lux range : reading x 1 Lux : ( 1000Lux : ± 40Lux)	Yearly	External	PRECISION STANDARD LABORATORY	25-Aug-20	25-Aug-21	25-Aug-20
12	DIGITAL EARTH TESTER	<u>E&amp;I-12</u>	KYORITSU	4105A	190895	( 0 to 20 Ω ) : ± 0.4 Ω	Yearly	External	SYSTRONICS CO.,LTD.	10-Sep-20	10-Sep-21	10-Sep-20
	DIGITAL EARTH TESTER	<u>E&amp;I-12</u>	KYORITSU	4105A	190895	( 20 to 200 Ω ) : ± 4 Ω	Yearly	External	SYSTRONICS CO.,LTD.	10-Sep-20	10-Sep-21	10-Sep-20
13	TEST TUBE HEATER	<u>E&amp;I-13</u>	HANNA INSTRUMENTS	HI839800	J0055084	( 150 °C : ± 3 °C )	Yearly	External	MICRO PRECISION CALIBRATION LABORATORY	15-Jul-20	15-Jul-21	15-Jul-20



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1	MULTI FUNCTION CALIBRATOR	<u>E&amp;I-01</u>	DIGICON	PC-2035	995699752	DCV : 50mV : ± 0.02mV	Yearly	External	SYSTRONICS CO.,LTD.	15-Sep-20	15-Sep-21	16-Sep-20
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	MULTI FUNCTION CALIBRATOR	<u>E&amp;I-01</u>	DIGICON	PC-2035	995699756	DCmA : 50mA : ± 0.02mV	Yearly	External	SYSTRONICS CO.,LTD.	15-Sep-20	15-Sep-21	16-Sep-20
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	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	AC Current ( 40A ) : ± 1.0A	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
	DIGITAL CLAMP METER	<u>E&amp;I-02</u>	KYORITSU	KEW SNAP 203	1186649	AC Current (400A :range 15.0-299.9A) : ± 10.0A	Yearly	External	SYSTRONICS CO.,LTD.	12-Sep-20	12-Sep-21	12-Sep-20
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	INFRARED THERMOMETER	<u>E&amp;I-06</u>	AZ	8868	9920708	(-20 to 100 °C) : ± 2 °C	Yearly	External	SYSTRONICS CO.,LTD.	11-Sep-20	11-Sep-21	11-Sep-20
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7	VERNIER CALIPER	<u>E&amp;I-07</u>	INSIZE	1112-200	1204122068	± 0.01 mm	Yearly	External	SYSTRONICS CO.,LTD.	11-Sep-20	11-Sep-21	11-Sep-20

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	LUX METER	<u>E&amp;I-11</u>	AMTAST	LX-90	S927749	(2000Lux range : reading x 1 Lux : ( 500Lux : ± 20Lux)	Yearly	External	PRECISION STANDARD LABORATORY	25-Aug-20	25-Aug-21	25-Aug-20
	LUX METER	<u>E&amp;I-11</u>	AMTAST	LX-90	S927749	(2000Lux range : reading x 1 Lux : ( 1000Lux : ± 40Lux)	Yearly	External	PRECISION STANDARD LABORATORY	25-Aug-20	25-Aug-21	25-Aug-20
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	DIGITAL EARTH TESTER	<u>E&amp;I-12</u>	KYORITSU	4105A	190895	( 20 to 200 Ω ) : ± 4 Ω	Yearly	External	SYSTRONICS CO.,LTD.	10-Sep-20	10-Sep-21	10-Sep-20
13	TEST TUBE HEATER	<u>E&amp;I-13</u>	HANNA INSTRUMENTS	HI839800	J0055084	( 150 °C : ± 3 °C )	Yearly	External	MICRO PRECISION CALIBRATION LABORATORY	15-Jul-20	15-Jul-21	15-Jul-20