

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SESSION 2020-2021(ODD SEMESTER)

Ref: KSSEM/EEE/2020-21/Stock /1

Date: 25/2/2021

CIRCULAR

The faculty members are instructed to submit the abstract of the detailed lab stock verification report on or before 3-3-2021.


Head of the Department

Associate Professor
Head of the Department
Department of Electrical & Electronics Engineering
KS School of Engineering and Management
Bengaluru-560 109




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K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R)
BENGALURU - 109

Stock Verification Report

Date 27/02/2021

Department Electrical & Electronics Engineering
Laboratory Microcontroller Laboratory

SLN o.	Equipment/ Tool/ Instrument/commodity	Stock Book Page No	Quantity in stock	Supplied by	Date of Procurement	Invoice No	Price / Unit	Total Cost	Present condition of the Equipment/ Tool/ Instrument/commodity (Working/under repair/Maintenance required/)	Remarks
1	ALS EMB EVAL-04 FLASH 89CS1ED2 EVALUATION BOARD WITH ON BOARD INTERFACE	1	12	ADVANCED ELECTRONIC SYSTEMS	1/3/2016	579			WORKING	
2	POWER SUPPLY SV. 1.5A +/- 12V	1	12	ADVANCED ELECTRONIC SYSTEMS	1/3/2016	579			WORKING	
3	STEPPER MOTOR	1	12	ADVANCED ELECTRONIC SYSTEMS	1/3/2016	579			WORKING	
4	DC MOTOR	1	12	ADVANCED ELECTRONIC SYSTEMS	1/3/2016	579			WORKING	
5	B-TYPE CABLE	1	12	ADVANCED ELECTRONIC SYSTEMS	1/3/2016	579	10,090	121,084	WORKING	
7	2 WAY RELIMATE (ONE SIDE)	1	12	ADVANCED ELECTRONIC SYSTEMS	1/3/2016	579			WORKING	
8	2 WAY RELIMATE (BOTH SIDE)	1	12	ADVANCED ELECTRONIC SYSTEMS	1/3/2016	579			WORKING	
9	10 CORE 10 INCH FRC CABLE	1	12	ADVANCED ELECTRONIC SYSTEMS	1/3/2016	579			WORKING	
10	RS232 COMMUNICATION CABLE	2	12	ADVANCED ELECTRONIC SYSTEMS	1/3/2016	579			WORKING	
INTERNAL EXTERNAL										

Name of the verifier	SHRUTI V JOSHI	
Signature	<i>[Signature]</i>	
Designation	ASSISTANT PROFESSOR	
Department	ELECTRICAL & ELECTRONICS	

Signature of the Lab Incharge *[Signature]*

Signature of the Head of the Department *[Signature]*
Associate Professor

Signature of the Principal *[Signature]*

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

Head of the Department
Department of Electrical & Electronics Engineering
K S School of Engineering and Management
Bengaluru-560 109



KSSEM

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K S SCHOOL OF ENGINEERING AND MANAGEMENT

Stock Verification Report

Date 27/02/2021

Department Electrical & Electronics Engineering
Laboratory Power System Simulation Laboratory

Sl. No.	Equipment/ Tool/ Instrument/comodity	Stock Book Page No	Quantity in stock	Supplied by	Date of Procurement	Invoice No	Price / Unit	Total Cost	Present condition of the Equipment/ Tool/ Instrument/comodity (Working/under repair/Maintenance required/)	Remarks
1	Lenovo Think Centred desktops with keyboard, CPU and mouse	185 of CSE Department Stock Register	25	Lenovo Think Centre	2/8/2012	BGL-345/PSGF/2013-14	32,150	803,750	25 systems along with the accessories are in working condition	
2	Mi Power		5	Power Reserach Development Consultancy, Bangalore	31/07/2013	20156	58,000	2,90,000	Licensed version installed in 5 systems is intact and not upgraded	

Internal Verifier		External Verifier	
Name of the verifier	SHRUTI V JOSHI	Name of the verifier	PAVITHRA . J
Signature	<i>Shruti</i>	Signature	<i>Pavithra</i>
Designation	ASSISTANT PROFESSOR	Designation	ASSISTANT PROFESSOR
Department	ELECTRICAL & ELECTRONICS	Department	BASIC SCIENCE (PHYSICS)

Signature of the Lab Incharge
Shruti

Signature of the HOD
Associate Professor
[Signature]

Signature of the Principal
[Signature]

Signature of the Lab Incharge

Signature of the HOD

Signature of the Principal

Department of Electrical & Electronics Engineering
K S School of Engineering and Management
Bengaluru-560 109

Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109



KSSEM

Department **ELECTRICAL AND ELECTRONICS ENGINEERING**
Laboratory **RELAY AND HIGH VOLTAGE ENGINEERING LABORATORY**

**Kammavari Sangham @
K S SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 109**

Stock Verification Report

Date 27/2/2021

Sl. No.	Equipment/ Tool/ Instrument/commodity	Stock Book Page No	Quantity In stock	Supplied by	Date of Procurement	Invoice No	Price / Unit	Total Cost	Present condition of the Equipment/ Tool/ Instrument/commodity (Working/under)	Remarks
1	Electromechanical OVER CURRENT Relay Non-DIRECTIONAL Type (2TJM10)	2	1	Easun rayrolle	31/7/2013	1131	4106	4106	working condition	
2	Test kit	5	1	Easun rayrolle	12/1/2015	8	34675	34675	working condition	
3	Numerical over voltage/under voltage relay(MIT181)	3	1	Easun rayrolle	31/7/2014	752	11,900	11,900	working condition	
4	Test kit	4	1	Easun rayrolle	20/9/2014	6	21,470	21,470	working condition	
5	Solid state over voltage Relay (TEB2)	2	1	Easun rayrolle	31/7/2013	1131	8,500	8,500	working condition	
6	Test kit	5	1	Easun rayrolle	4/9/2014	5	21,470	21,470	working condition	
7	Solid state under voltage Relay (TEB2)	2	1	Easun rayrolle	31/7/2013	1131	8,500	8,500	working condition	
8	Test kit	5	1	Easun rayrolle	4/9/2014	5	21,470	21,470	working condition	
9	Numerical Non-Directional over current relay(MIT103)	3	1	Easun rayrolle	31/7/2013	752	11,900	11,900	working condition	
10	Test kit	6	1	Easun rayrolle	23/12/2014	7	28,025	28,025	working condition	
11	Electromechanical OVER CURRENT Relay DIRECTIONAL Type (2TJM72)	2	1	Easun rayrolle	31/7/2013	1131	13,328	13,328	working condition	
12	Test kit	5	1	Easun rayrolle	23/1/2015	9	34,675	34,675	working condition	
13	Numerical Based distance protection relay (CSC-162)	4	1	Easun rayrolle	31/7/2013	1165	2,00,000	2,00,000	working condition	
14	Numerical Based directional overcurrent relay (MIT-121)	3	1	Easun rayrolle	31/7/2014	752	10,200	10,200	working condition	
15	Test kit	5	1	Easun rayrolle	12/1/2015	8	34,675	34,675	working condition	
16	Feeder protection relay(MIT 114)	4	1	Easun rayrolle	31/7/2013	752	15,300	15,300	working condition	
17	Differential relay (MIB 202)	3	1	Easun rayrolle	31/7/2013	1131	51,000	51,000	working condition	
18	Motor protection (RH03)	4	1	Easun rayrolle	31/7/2013	752	47,600	47,600	working condition	

HIGH VOLTAGE LABORATORY EQUIPMENTS

S/L No.	Equipment/ Tool/ Instrument/commodity	Stock Book Page No	Quantity in stock	Supplied by	Date of Procurement	Total Cost	Present condition of the Equipment/ Tool/ Instrument/Commodity	Remarks
1	High voltage transformer-TE0100/10	15	1	WS Test Systems Pvt Ltd., Bangalore	23/6/2015	13,10,194	working condition	
2	Control desk- SRP /5 TRE	15	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
3	Capacitor measuring -CM 100PF	15	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
4	Connecting rod-V	15	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
5	voltmeter AC peak-DSMV	15	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
6	Earthing rod-Est	15	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
7	Connecting cup-K	15	4	WS Test Systems Pvt Ltd., Bangalore			working condition	
8	Floor pedestal-FS	15	4	WS Test Systems Pvt Ltd., Bangalore			working condition	
9	Rectifier-GS 140kV	15	2	WS Test Systems Pvt Ltd., Bangalore			working condition	
10	Capacitors-CS(25,000PF)	15	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
11	Measuring resistor-RM (280)	15	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
12	Electrode -EL 1	15	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
13	Insulating rod-IS	15	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
14	Spacer tube -D	16	2	WS Test Systems Pvt Ltd., Bangalore			working condition	
15	Voltmeter DC DGM	16	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
16	Earthing switch-ES	16	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
17	Measuring sphere gap-MF 100	16	1	WS Test Systems Pvt Ltd., Bangalore			working condition	
18	Oil testing cup-OP	16	1	WS Test Systems Pvt Ltd., Bangalore			working condition	

Name of the verifier	TEJASWINI G.V.	Signature of the HOD	<i>[Signature]</i>
Signature	<i>[Signature]</i>	Signature of the Principal	<i>[Signature]</i>
Designation	Assistant Professor		
Department	Electrical & Electronics		

Signature of the Lab Incharge *[Signature]* 27/12/2021

Dr. K. RAMA NARASIMHA
Principal/Director
Department of Electrical & Electronics Engineering
K S School of Engineering and Management
Bengaluru - 560 109



KSSEM

Kammavari Sangham (R)

K S SCHOOL OF ENGINEERING AND MANAGEMENT

BENGALURU - 109

Stock Verification Report

Department Electrical and Electronics Engineering

Date 27/2/2021

Laboratory Power Electronics Laboratory

Sl.N o.	Equipment/ Tool/ Instrument/commodity	Stock Book Page No	Quantity in stock	Supplied by	Present condition of the Equipment/ Tool/ Instrument/commodity (Working/under repair/Maintenance required/ scrap)	Remarks
1	SCR characteristics study unit		3	Pragna Electronics	All are working	
2	MOSFET - IGBT characteristics study unit		3	Pragna Electronics	All are working	
3	UJT Firing unit		3	Pragna Electronics	All are working	
4	Forced Communication study unit		3	Pragna Electronics	All are working	
5	Stepper motor controller (with stepper motor)		3	Pragna Electronics	Two modules out of three are working and one module with serial number KSSEM/14/ECE/PE/STEP/03 is not working	
6	Digital Firing circuit		3	Pragna Electronics	All are working	
7	Single phase converter firing unit		2	Pragna Electronics	All are working	

Sl.N o.	Equipment/ Tool/ Instrument/commodity	Stock Book Page No	Quantity in stock	Supplied by	Present condition of the Equipment/ Tool/ Instrument/commodity (Working/under repair/Maintenance required/ scrap)	Remarks
8	Single phase converter power circuit		2	Pragna Electronics	All are working	
9	A.C Voltage controller using Triac-DIAC		2	Pragna Electronics	All are working	
10	Universal Motor control unit with universal AC/DC motor		2	Pragna Electronics	All are working	
11	D.C Motor Speed control unit (using MOSFET, IGBT & Chopper) with DC motors		2	Pragna Electronics	Both control units are not working.	IGBT / MOSFET to be replaced.
12	DC Motor /Control unit 0.5 hp/220v (semi converter) with DC motor		2	Pragna Electronics	All are working	
13	Single Phase PWM Inverter-IGBT/MOSFET		2	Pragna Electronics	One module with serial number KSSEM/14/ECE/PE/SPWM/02 is not working.	
14	Light Dimmer circuit using Diac&Triac		1	Pragna Electronics	Working	
15	Single Phase converter Firing circuit (Microcontroller based)		1	Pragna Electronics	Working	
16	Regulated DC Linear Power Supply 30v/3A		2	Pragna Electronics	All are working	
17	5 Amps Transformer 0-230 V with 2 pin power cord		5		Except one, all are in good condition.	

Sl.N o.	Equipment/ Tool/ Instrument/commodity	Stock Book Page No	Quantity in stock	Supplied by	Present condition of the Equipment/ Tool/ Instrument/commodity (Working/under repair/Maintenance required/ scrap)	Remarks
18	5 Amps Line Choke		2		All are working	
19	2 Amps Line Choke		2		All are working	
20	150 Ω 5Amps Rheostat		2		All are in good condition	
21	Power Resistor 75.50W 470 Ω 25W, 220 Ω 25W		22		Except one, all are in good condition.	
22	Digital Tachometer Non-Contact type		1		Working	
23	Digital Tachometer Contact type		1		Working	
24	Power cord 3 pin		22		All are in good condition	
25	Digital storage oscilloscope		3		All are working	One DSO has one probe only.
26	100 Ω 2Amps Rheostat		3		One rheostat is to be repaired	Winding is damaged.
27	AC/DC ammeter 0-2000 mA		5			
28	AC/DC ammeter 0-500 mA		3			
29	Multimeter		10			
30	Single pin patch cords		90			

Name of the verifier	Hemapranya D		
Signature	<i>Hemapranya D</i>		
Designation	Assistant Professor		
Department	Electrical and Electronics Engineering		

Signature of HOD
12/12/2021

Signature of the Principal
12/12/2021

Signature of the Principal

Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Management
 Bengaluru - 560 109

Head of the Department
 Department of Electrical & Electronics Engineering
 K S School of Engineering and Management
 Bengaluru-560 109

Associate Professor
 Signature of HOD

Signature of the Lab Incharge