

ELECTRICAL MEASUREMENTS AND CIRCUIT
SIMULATION LABORATORY



K.S. GROUP OF
REGISTER OF BILLS

Date	Sl. No.	Name of Supplier	Bill No. / Date	Description of Item Purchased
18/08/12	1	Inde enterprises 745 Sector-8-B Chandigarh - 160009	654 13/08/12	DSS36 Soldering Station. Lead free Digital Soldering Station. (90W/230V)
		Each unit Contains		DSS36 Power & Control unit.
		1) Power Cord 2) Cord with clip 3) Cord with one side chisel and the other side Connector 4) Support Rack 5) Calibration Certificate 6) Instruction manual		DSP36 Soldering Pen Long life chisel Soldering Tip. 2.4mm (960-T-204) Heavy duty Support Rack Cleaning sponge.
24/08/12	1	Insulation tester Rish Insu 10 Techno Instruments No 2, P.M. Lane, S.P. Road Cross	3970 TIN No 29140848976 24/8/12	Insulation tester Rish Insu 10 Each set Contains two Patch Cords, Fuse 500W WARRANTY CARD, MANUAL 6 Batteries Two clips Test Certificate
	2	Techno Instruments No 2, P.M. Lane S.P. Road Cross. Bangalore - 560002 PH: 41518739 Cell: 9742335431/ 9845033010	3969 24/8/12 TIN No 29140848976	Digital Multimeter Rish Multi 145 Each set Contains Two Patch Cords, Two Fuses
24/08/12		Shanti Electrical Controls (P) Ltd 69, Age Abbas Ali Road Bangalore - 560019	SVT327/ 23/8/12	1 Phase LCD KWH Meter (with test report) 21937553, 213375



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30/09/2012	✓	Toshniwal Industries Pvt. Ltd. Industrial Estate Makhupura. Ajmir. Rajasthan.	0920-12	Rheostat of 12L, 8.5A Toshniwal make. Model PL 12.01 Single tube open type
12/09/2012	✓	ARUN Enterprises. 32A, Ganesh Chandra Avenue CALCUTTA	AE/5/1198 -12-13 dated 12-Sep-2012	Precision Kelvin double bridge, Range of measurement is 0.2 μ to 11 μ . The set includes conductivity attachment, oxford spot reflecting galvanometer and DC source of 0 to 10V with maximum 10A capacity
				metravi brand digital time interval meter SE/53/12-13 SE/53/12-13 SE/54/12-13
08/09/2012	✓	Procon Controls. 4/131, Thetthipalayam School Road, Thetthipalayam. Coimbatore.	1187 08/09/2012	Loading transformer for setting the Primary current of the CT. Input: 0 to 240V output: 0-2.5V, -5V, 10V 50A, 500VA Transformer 12081274 12081275

Quantity Purchased	Rate		Total		Stock Ledger & Page No.	Date of Passing Bill	Initials of H.O.D.	Remarks
	Rs.	Ps.	Rs.	Ps.				
6	Rs 3,800	00	22,800	00			B.R. Nataraj	
6	Excluding Tax							
3	Rs 25,000	00	75,000	00			B.R. Nataraj	
3	Excluding Tax							
OXD/IKDB/1220, 1221, 1222 OXD/SRG/1223, 1224, 1225 OXD/Dces/75712/2/12 OXD/Dces/75735/2/12 OXD/Dces/75723/2/12					1222, 1220/T-1 T-2 1225-		Transferred to EC 7/9/19 [ANIL KUMAR EC]	
4	Rs 4400	00	17,600	00			B.R. Nataraj	
3	Excluding Tax							
4	3,060	00	12,240	00			B.R. Nataraj	
4	Excluding Tax							



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Date	Sl. No.	Name of Supplier	Bill No. / Date	Description of Item Purchased	P
31/08/12		Sciencetech Technologies Pvt Ltd. 94, Electronics Complex Pandesipura, Indore	TR/12-13/506 31/08/12	Tektronix - TDS1001C-9 Channel Oscilloscope, 40MHz, 500MS/s, Color TFT display, USB Port Certificate of traceable Calibration Standard, 3 years limited life time warranty	
		Wonderwatt India Pvt Ltd 915, Sri Annamalai Avenue Nehru Nagar East Kallapadi Road. Civil Aero Drome Post Coimbatore.	0031 022013 111 26/2/2013	Three Phase loading arrangement, 3 Phase resistive load of 6kw in 5 steps, 3 Phase inductive load of 5kvar in 5 steps, 3 Phase Capacitive load of 5kvar in 5 steps	
				Single Phase loading arrangement 1 Phase resistive load of 2kw in 5 steps, 1φ inductive load of 2kvar in 5 steps, 1φ capacitive load of 2kvar in 5 steps	

INSTITUTIONS, BANGALORE

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RECEIVED

Quantity Purchased	Rate		Total		Stock Ledger & Page No.	Date of Passing Bill	Initials of H.O.D.	Remarks
	Rs.	Ps.	Rs.	Ps.				
6	40,000	00	2,40,000	00			R.R. Wadga	
6	Excluding tax							
C014247								
C010252								
C014275								
C014280								
C014265								
C014289								
1	3,00,000	00	3,00,000					
Including Tax								
Bundled Price.								
070113019 - Resistive								
070113021 - L.C								
2								
070113015, 070113014 - Resistive								
070113022 L.C								



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Date	Sl. No.	Name of Supplier	Bill No. / Date	Description of Item Purchased
	✓	APLAB LTD, A-5 Aplab house, Wagle Industrial Estate. Thane - 400604		23205 Aplab 0-32V, 5Amps Single output DC Power Supply 32050113033, 36, 37
	✓			LD1602, Aplab 0-16V, 2Amps Dual output DC Power Supply 16020213002, 16020812035 16020212002 16020612030 16020213004 160208112037 16020612031 16020213001 16020612032 16020213003 16020812034 16020812036
	✓		<u>O.A. No 307105</u> <u>Dtd: 21-08-2012</u> 12100856 12100856 <u>Dtd 29-09-2012</u>	MSGIM Aplab 1MHz Multiwaveform Signal Generator, 0912290, 0912289 0912303, 0912302 0912298, 0912287 0912299, 0912289 0912297, 0912293 0912292, 0912300, 0912286, 0912294

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K.S. GROUP OF REGISTER OF BILLS

Date	Sl. No.	Name of Supplier	Bill No. / Date	Description of Item Purchased
	✓	Automatic Electric limited 336, Sutturaya Road Lona Vala - 410401,		Three Phase Auto transformer 0-415V, output 0 to 470V Maximum Current : 28A Continuous Current : 22A AE make. closed type KSSEM/2013/EE/CSM/3P/ AT-DI
	✓			Single phase autotransformer Input 0 to 240V, output 0 to 270V, Maximum Current 28A, Continuous current 22A. AE make closed type 8/2/D505145/2
	+			Variable output, Single Phase Auto transformer Input : 0 to 240V output : 0 to 270V, 20A Maximum Current 15A Continuous Current closed type AE make 7/2/D505062/17,14 9/2/D505145/2
	✓			Three Phase 50HZ, Phase shifting Transformer KSSEM/2013/EE/CSM/ PS/01,02

Quantity Purchased	Rate		Total		Stock Ledger & Page No.	Date of Passing Bill	Initials of H.O.D.	Remarks
	Rs.	Ps.	Rs.	Ps.				
1	37,027	20	37027	00			R	
	with tax							
01								
1	11650	80	11650	80			R	
	with tax							
1								
2	8536	00	17,925	60			R	
	without tax		with tax					
13								
2	66,000	00	1,38,600	00			R	
2	without tax		with tax					



K.S. GROUP OF REGISTER OF BILLS

Date	Sl. No.	Name of Supplier	Bill No. / Date	Description of Item Purchased
			✓	DC Ammeter 0-5/10A 0.5% 9/12/05085/1, 12, 13, 14, 15
			✓	Single Phase Analog wattmeter 0-150/300/600V, 10/20A 0.5% Accuracy 9/12/05085/30, 31, 32, 33, 34
			✓	3 Phase Power factor meter 10A, 440V, 2 degree accuracy 10/12/05085/18, 19, 20, 21, 22, 23
			✓	AC Voltmeter 0-300/600V 1% Accuracy (4 Max) 37/12/194836/373, 394, 395, 396 397, 398
			✓	Single Phase Analog wattmeter, 0-150/300/600V 10/20A 0.5% Accuracy 9/12/05085/7, 5, 8, 9, 10, 11
			✓	Single Phase Power factor meter 110/250/500V, 10A 2 degree accuracy 10/12/05085/36, 37, 38, 39, 40, 41
			✓	AC Ammeter 10/20A Accuracy 1% 8/12/05085/42, 43, 44, 45, 46, 47
			✓	CT 25/5A, 10VA 0.2% Accuracy
			✓	CT 25/5A, 10VA 1% Accuracy

C P	Quantity Purchased	Rate		Total		Stock Ledger & Page No.	Date of Passing Bill	Initials of H.O.D.	Remarks
		Rs.	Ps.	Rs.	Ps.				
	5	3240	00	16,200	00			L	
	5	Excluding Tax		Excluding Tax					
	6	3340	00	20040	00				
	6	Excluding Tax		Excluding Tax					
35									
	6	4140	00	24,840	00				
	6	Excluding Tax		Excluding Tax					
	6	1116	00	6696	00				
	6	Excluding Tax		Excluding Tax					
	6	3340	00	3340	00				
	6	Excluding Tax		Excluding Tax					
	6	2764		16584					
	6	Excluding Tax		Excluding Tax					
	6	1088		6528					
	6	Excluding Tax		Excluding Tax					
	5	815		4075					
	5	Excluding Tax		Excluding Tax					
	5	815		4075					
	5	Excluding Tax		Excluding Tax					



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INSTITUTIONS, BANGALORE RECEIVED

Name of Supplier	Bill No. / Date	Description of Item Purchased	Quantity Purchased	Rate		Total		Stock Ledger & Page No.	Date of Passing Bill	Initial H.O.
				Rs.	Ps.	Rs.	Ps.			
	/	CT 25/5A, 10VA, 3% Accuracy	55	815	00	4075	00			R
				Excluding Tax		Excluding Tax				
	/	CT 50/5A, 10VA, 0.2% Accuracy	55	815	00	4075	00			
				Excluding Tax		Excluding Tax				
	/	CT 50/5A, 10VA, 1.0% Accuracy	55	815	00	4075	00			
				Excluding Tax		Excluding Tax				
	/	CT 50/5A, 10VA, 3% Accuracy	55	815	00	4075	00			
				Excluding Tax		Excluding Tax				
	/	Ac Ammeter 5/10A 0.5% Accuracy	5	2400	00	12,000	00			
		7/12/194836/362, 363 8/12/15085/78, 81, 82	5			Excluding Tax	Excluding Tax			
	30	Wattmeter 0-150V/300	5	3700	00	18,500	00			
	/	5A/10A, 0.5% 10/12/05085/88, 89, 90, 91, 92	5			Excluding Tax	Excluding Tax			

Date	Sl. No.	Name of Supplier	Bill No. / Date	Description of Item Purchased	Quantity Purchased
				✓ DC AMMETER 2.5/5A	
				3/13/016715/167 to 190, 191	24 +
				3/13/016715/192 to 198	7
				✓ DC AMMETER 10/20A	
				3/13/016715/199 to 224	26
				✓ DC AMMETER 15/30A	
				3/13/016715/225 to 231	7
				✓ DC VOLTMETER 15/30/60V	01
				3/13/016715/ ⁸⁹ 90 to 108	19
				✓ DC VOLTMETER 75/150/300V	
				3/13/016715/109 to 113	5
				3/13/016715/115 to 123	9
				3/13/016715/123 to 161	39
				3/13/016715/162 to 165	4
				3/12/016715/166	1
				✓ DC VOLTMETER 300/600V	
				8/12/014766/101 to 102	2
				3/13/016715/162 to 165	4
				3/12/016715/166	1

Date	Sl. No.	Name of Supplier	Bill No. / Date	Description of Item Purchased
			✓	AC VOLTMETER 75 150 300V
				2 13 016715 01 to 10,11
				2 13 016715 12 to 16
			✓	AC VOLTMETER 150 300 600V
				3 13 016715 24 to 72
			✓	AC VOLTMETER 15 30 60V
				3 13 016715 17,18
				3 13 016715 19 to 23
			✓	WATTMETER 150 300 600V, 10 20A
				7 12 014765 150 to 154
				8 12 014766 154
				7 12 014766 155
				8 12 014766 155
				7 12 014765 156 to 157
				7 12 014765 159 to 172
				7 12 014765 158
			✓	WATTMETER 75 150 300V, 10 20A
				7 12 014765 138 to 147



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Sl. No.	Name of Supplier	Bill No. / Date	Description of Item Purchased	Quantity Purchased	Rate		Total		Stock Ledger & Page No.
					Rs.	Ps.	Rs.	Ps.	
			✓ WATTMETER 5/10A, 150/300/600V ✓						
			3/12/194836/433 ✓	1					
			8/12/014760/157	1					
			4/12/194836/352, 354, 355, 357	4					
			✓ WATTMETER 2.5/5A, 150/300/600V ✓						
			3/12/194836/462 to 463	2					
			1468	1					
			1472, 1472	2					
			1480	1					
			✓ WATTMETER 5/10A ✓						
			75/150/300V						
			2/12/012741/635, 619	2					



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Date	Sl. No.	Name of Supplier	Bill No. / Date	Description of Item Purchased	Quantity Purchase
				TRANSFORMER: 2KVA	
				1207276 - 120789	4
				TRANSFORMER: 3KVA	
				1207290 - 1207295	6
				SINGLE PHASE AUTO TRANSFORMER: 20AMPS	
				712/D505062/11 to 13	3
				712/D505062/15 to 16	2
				712/D505062/18	1
				912/D0505145/3	1
				SINGLE PHASE AUTO TRANSFORMER 28AMPS	
				712/D505062/9 to 10	2
				SINGLE PHASE AUTO TRANSFORMER	
				712/D505062/19 to 20	2
				3 PHASE AUTO TRANSFORMER	
				912/D5050145/1	1
				712/D505062/1 to 2	2
				712/D505062/4 to 8	5

Name of Supplier	Bill No. / Date	Description of Item Purchased	Quantity Purchased	Rate Rs.
		✓ CT		
		57588/12 to 57596	9	
		✓ STOP WATCH	1	
		✓ INDUCTIVE LOAD BANK	1	
		KSSEM/2013/EE/DCSM/ILB		
		✓ TEKTRONIX CRO	1	
		KSSEM/2013/EE/DCSM/CRO-1		
		✓ PT	1	
		KSSEM/2013/EE/DCSM/PT 1		
		✓ SYNCHROSCOPE	2	
		KSSEM/2013/EE/DCSM/SYNCH 01 to 02		
		✓ RHEOSTAT 600 Ω , 1.7A	39	
		✓ RHEOSTAT 15 Ω , 15A	18	
		✓ LOAD BANK 4KW	6	
		07011008 to 013		
		✓ LOAD BANK 5KW	2	
		070113016 to 3017		
		✓ LOAD BANK 6KW	3	
		070113005 to 3007		
		070113018	1	
		070113020	1	

		Purchased	Rs.	Ps.	Rs.	Ps.	Stock Le & Page
✓	LOAD BANK 3KW 070113007 to 3004	4					
✓	TACHOMETER	20					
✓	24V DC Power Supply	5					
✓	220V DC Power Supply	1					
✓	AC Power Control Center	1					
✓	DC Power Control Center	1					
✓	3 POINT STARTER	12					
✓	4 POINT STARTER	2					
✓	SPST SWITCH	9					
✓	DPST SWITCH	2					
✓	TPST SWITCH	6					
✓	ROTOR RESISTOR						

Name of Supplier	Bill No. / Date	Description of Item Purchased	Quantity Purchased	Rate		Total		Stock Ledger & Page No.	Pa
				Rs.	Ps.	Rs.	Ps.		
		✓ DC SHUNT MOTOR 3KW:	13						
		✓ 56KW	12						
		✓ DC COMPOUND 3KW	2						
		✓ DC SERIES M/c 3KW	4						
		✓ 1Φ INDUCTION MOTOR	1						
		3Φ INDUCTION MOTOR (BLOWER) 0.12KW	12						
		✓ 3Φ INDUCTION MOTOR 3.7KW	3						