

DELIVERY NOTE

GRAIDCO REFERENCE NR.: G-220273
YOUR REFERENCE: M0HERST/STEE/ACE-IMPACT/GS/006
DATE: 14-2-2024
FINAL DESTINATIONS: University of Applied Science, Engineering & Technology Brilkama Campus P.O. Box 989 Banjul The Gambia Tel: 9902853 / 7038497 University of Applied Science, Engineering & Technology Kanifing Industrial Estate Campus P.O. Box 989 Banjul The Gambia Tel: 9902853 / 7038497

Item	Lot		Description	Qty	Brand	Cat. No.	Delivery Confirmation	Installation, Commissioning & Training	Remark
1	1	MATERIALS TESTING LAB EQUIPMENT	Electronic Scale	2	Kern	572-37 KS-A01			
2	1	MATERIALS TESTING LAB EQUIPMENT	Laboratory Platform scale	1	Radwag	C315.150.C3.M			
3	1	MATERIALS TESTING LAB EQUIPMENT	Nordic Abrasion Machine	1	Testmak	AG1370			
4	1	MATERIALS TESTING LAB EQUIPMENT	Coarse Aggregate Sieve	2	Matest	A060-01 A052-07			
5	1	MATERIALS TESTING LAB EQUIPMENT	Aggregate Crushing Value (Acv) Sets	1	Labtest	ZI 5014			
6	1	MATERIALS TESTING LAB EQUIPMENT	Rapid Moisture Meter	1	Labtest	ZI 3028-B			
7	1	MATERIALS TESTING LAB EQUIPMENT	Wide Wheel Abrasion Testing Machine	1	Testmak	AG1500			
8	1	MATERIALS TESTING LAB EQUIPMENT	Forced Air drying oven	1	Biobase	BOV-T25F			

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9	1	MATERIALS TESTING LAB EQUIPMENT	Sand Absorption (Abraham Cone) Sets	1	Labtest	ZI 2052			
10	1	MATERIALS TESTING LAB EQUIPMENT	Shape Index Caliper	1	Testmak	AG1030			
11	1	MATERIALS TESTING LAB EQUIPMENT	Length Gauge (Elongation Index BS)	1	Labtest	ZI 5002			
12	1	MATERIALS TESTING LAB EQUIPMENT	Coarse aggregate Bulk Density Measuring Containers	4	Testmak	AG1140/1 AG1140/2			
13	1	MATERIALS TESTING LAB EQUIPMENT	Riffler Sample Divider/Riffle Box	1	Tugong	STJL-1 STJL-2			
14	1	MATERIALS TESTING LAB EQUIPMENT	Laboratory Pan Mixer	1	Testmak	C3500/480			
15	1	MATERIALS TESTING LAB EQUIPMENT	Vibrating Table And Moulds	1	Labtest	ZI 2047			
16	1	MATERIALS TESTING LAB EQUIPMENT	Concrete Shrinkage And Expansion Apparatus	1	Serve Real	HSP-540			
17	1	MATERIALS TESTING LAB EQUIPMENT	Cleveland Open Cup Flash Point Tester	1	Labtest	ZI 11003			
18	1	MATERIALS TESTING LAB EQUIPMENT	Automatic Ring And Ball Apparatus	1	Labtest	ZI 4003			
19	1	MATERIALS TESTING LAB EQUIPMENT	Automatic Digital Penetrometer	1	Matest	B056-02 KIT			
20	1	MATERIALS TESTING LAB EQUIPMENT	Automatic Asphalt Mixture Mixer	2	Tugong	STLJ-5C			
21	1	MATERIALS TESTING LAB EQUIPMENT	Ductility Testing Machine	1	Labtest	ZI 4026			
22	1	MATERIALS TESTING LAB EQUIPMENT	Rolling Thin Film Oven	1	Testmak	B1780			
23	1	MATERIALS TESTING LAB EQUIPMENT	Asphalt Moisture Content Tester	2	Serve Real	LY-0612			
24	1	MATERIALS TESTING LAB EQUIPMENT	Servo Controlled Universal Testing Machine	1	Testmak	U6500/2000			
25	1	MATERIALS TESTING LAB EQUIPMENT	Cast Iron Split MouldsAashto T23	50	Matest	C259-05			
26	1	MATERIALS TESTING LAB EQUIPMENT	C254-02 BEAM MOULD	20	Matest	C254-02			
27	1	MATERIALS TESTING LAB EQUIPMENT	Concrete Curing Cabinet	1	Tugong	HBV-40B			
28	1	MATERIALS TESTING LAB EQUIPMENT	Concrete Cylinder Capping Device	1	Testmak	C3340			
29	1	MATERIALS TESTING LAB EQUIPMENT	Three Gang Prism Shrinkage Moulds	1	Labtest	ZI 1013-C			
30	1	MATERIALS TESTING LAB EQUIPMENT	Marshall Digital Machine 30kn	1	Tugong	STM-8			

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31	1	MATERIALS TESTING LAB EQUIPMENT	Los Angeles Materials Testing Machine	1	Tugong	STMH-3			
32	1	MATERIALS TESTING LAB EQUIPMENT	Aggregate Impact Tester with Counter Meter	1	Labtest	ZI 5015			
33	1	MATERIALS TESTING LAB EQUIPMENT	Laboratory Mortar Mixer	1	Tugong	STJB1-5			
34	1	MATERIALS TESTING LAB EQUIPMENT	Cement Flow Table	1	Testmak	M2520/A			
35	1	MATERIALS TESTING LAB EQUIPMENT	Cement Electric Flexural Tester	1	Testmak	M2890			
36	1	MATERIALS TESTING LAB EQUIPMENT	Digital Length Comparator	1	Labtest	ZI 1014			
37	1	MATERIALS TESTING LAB EQUIPMENT	Cement Curing Cabinet	1	Tugong	STSHY-1			
38	1	MATERIALS TESTING LAB EQUIPMENT	Digital Mortar Setting Time Tester	1	Tugong	STZKS-100			
39	1	MATERIALS TESTING LAB EQUIPMENT	Iso Standard Vicat Apparatus	1	Labtest	ZI 1004			
40	1	MATERIALS TESTING LAB EQUIPMENT	Concrete Pressure Air Meter	1	Labtest	ZI 2066			
41	1	MATERIALS TESTING LAB EQUIPMENT	Steel bar/rebar/ Steel pipe Bending Testing Machine	1	Liangong	GW-40B			
42	1	MATERIALS TESTING LAB EQUIPMENT	Ultrasonic Concrete Tester	2	Matest	C369N			
43	1	MATERIALS TESTING LAB EQUIPMENT	Core Cutting Machine	2	Testmak	C3700/01			
44	1	MATERIALS TESTING LAB EQUIPMENT	Slump Test Apparatus	1	Labtest	ZI 2002			
45	1	MATERIALS TESTING LAB EQUIPMENT	Specific Gravity Test Apparatus	1	Labtest	ZI 5010			
46	1	MATERIALS TESTING LAB EQUIPMENT	Hydrostatic Balance	1	Tugong	STSJ-3			
47	1	MATERIALS TESTING LAB EQUIPMENT	Concrete Resistivity Meter	1	Serve Real	HDZ-4000			
1	1	SOIL LAB	Posthole Type Auger	3	Labtest	ZI 3070			
2	1	SOIL LAB	Dynamic Cone Penetrometer	2	Labtest	ZI 3026			
3	1	SOIL LAB	Plastic Wash Bottles 100ml	5	Matest	V120			
4	1	SOIL LAB	Sand Density Cone Apparatus	4	Testmak	S5050			

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5	1	SOIL LAB	Soil Color Chart	1	Testmak	S4425			
6	1	SOIL LAB	Automatic CBR Test Apparatus	2	Tugong	STCBR-3			
7	1	SOIL LAB	CBR Standard Compaction Test Equipments	3	Testmak	S4445/A			
8	1	SOIL LAB	Hydraulic Universal Extruder ZI 3045 Frame	2	Labtest	ZI 3045			
9	1	SOIL LAB	Liquid Limit Device With Counter	4	Labtest	ZI 3006			
10	1	SOIL LAB	Shrinkage Limit Set	4	Labtest	ZI 3002			
11	1	SOIL LAB	Plastic Limit Set	1	Labtest	ZI 3001			
12	1	SOIL LAB	Liquid Limit Device (Motorised)	2	Labtest	ZI 3007			
13	1	SOIL LAB	Soil Cone Penetrometer	1	Labtest	ZI 3004			
14	1	SOIL LAB	Laboratory Trolley	2	Labtest	ZI 9056			
15	1	SOIL LAB	Particle Size Sedimentation ZI 3010 (Hydrometer Method)	6	Labtest	ZI 3010			
16	1	SOIL LAB	Density bottle 25ml	12	Matest	V108 V108-01			
17	1	SOIL LAB	Pycnometers 1kg jar	6	Labtest	ZI 3037			
18	1	SOIL LAB	Laboratory Vane Shear Apparatus (Motorised)	2	Labtest	ZI 3076			
19	1	SOIL LAB	Direct Shear Apparatus	3	Labtest	ZI 3055			
20	1	SOIL LAB	Consolidation Apparatus (Electronic Bench Model)	4	Matest	S260 S268			
21	1	SOIL LAB	Constant Volume Mould	2	Labtest	ZI 3048			
22	1	SOIL LAB	Swell Test Apparatus	2	Labtest	ZI 3069			
23	1	SOIL LAB	Relative Density Test Equipments	2	Labtest	ZI 3040			
24	1	SOIL LAB	Unconfined Compression Tester (Motorised)	2	Labtest	ZI 3056			
25	1	SOIL LAB	Computerized Triaxial Testing System	2	Testmak	S4700			
26	1	SOIL LAB	Pore Pressure Apparatus 10 Kq/cm sq	2	Labtest	ZI 3058			

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27	1	SOIL LAB	Universal Permeability Equipment	2	Labtest	ZI 3031			
1	1	SURVEYING LAB	Plane Table Set	4	Labtest	ZI 8026			
2	1	SURVEYING LAB	Hand Held Digital Compass	4	Sunroad	FR510			
3	1	SURVEYING LAB	Plan meter	5	Placom	KP-90N			
4	1	SURVEYING LAB	Hand-Held GPS System	25	Garmin	eTrex 22x			
5	1	SURVEYING LAB	Digital Theodolite	5	Labtest	ZI 8009			
6	1	SURVEYING LAB	Aluminium tripods	10	Labtest	ZI 8019			
7	1	SURVEYING LAB	Prism With Pole	10	Labtest	ZI 8018			
8	1	SURVEYING LAB	Range Pole	24	Labtest	ZI 8017			
9	1	SURVEYING LAB	Levelling Staves	20	Labtest	ZI 8016			
10	1	SURVEYING LAB	Automatic Level	8	Leica	NA 324			
11	1	SURVEYING LAB	Total Station	5	Trimble	S7			
1	2	CONTROL SYSTEM LAB.	Digital storage Oscilloscope (DSO)	2	UNI-T	UTD2102CEX+			
2	2	CONTROL SYSTEM LAB.	Magnetic Levitation System	2	Tesca	52037			
3	2	CONTROL SYSTEM LAB.	Servomotor Control and Instrumentation	1	Tesca	52054A			
4	2	CONTROL SYSTEM LAB.	Twin Rotor Mimeo System	1	Leybold	33-007-PCI			
5	2	CONTROL SYSTEM LAB.	Nio Robot	1	EVS Robot	QJRB15-1			
6	2	CONTROL SYSTEM LAB.	Nao Robot	1	GOOLSKY	R18 robot			
1	2	DIDACTIC TRAINING EQUIPMENT	MR401E Lamps for Photovoltaic Solar Trainers	1	De Lorenzo	DL SIMSUN			

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2	2	DIDACTIC TRAINING EQUIPMENT	Electrical Installation Lab Didactic Equipment	1	De Lorenzo	DL 3155BRS-M24			
3	2	DIDACTIC TRAINING EQUIPMENT	Flat Panel Solar Energy	1	De Lorenzo	DL SOLAR-B			
4	2	DIDACTIC TRAINING EQUIPMENT	PLC Vocational Training Equipment Didactic Electrical Automatic Trainer	1	De Lorenzo	DL 2110-131K DL 2110-131K-			
5	2	DIDACTIC TRAINING EQUIPMENT	Testing Modules for Lighting	1	Minrry	MR250E			
6	2	DIDACTIC TRAINING EQUIPMENT	Electronics Training Workbench	1	De Lorenzo	DL 55070 DL 1001-1-08			
1	2	DRIVES LAB.	3-Phase IGBT Based PWM Inverter	2	Sunbr	PS-1K-12			
2	2	DRIVES LAB.	AC Machine 3 PHASE – 1HP	1	Tesca	22235708.48			
3	2	DRIVES LAB.	AC Machine 3 PHASE – 3HP	1	Tesca	22235708.49			
4	2	DRIVES LAB.	DC Machine – 1HP	1	Tesca	22235708.50			
5	2	DRIVES LAB.	DC Machine – 3HP	1	Tesca	22235708.51			
6	2	DRIVES LAB.	Primer Spartan 3 Development Kit with interface card	5	Tesca	22235708.52B			
7	2	DRIVES LAB.	Universal Development Board with interface card	5	Zhonzhihe	S9			
8	2	DRIVES LAB.	AD 0809 Interface Card	4	Tesca	22235708.54			
9	2	DRIVES LAB.	FPGA Based Speed Control of BLDC Drive	2	De Lorenzo	DL 2131-AB			
10	2	DRIVES LAB.	Speed Control Synchronous (PMSM) Motor Coupled with DC Generator setup	2	Tesca	22235708.56			
11	2	DRIVES LAB.	Speed Control of 3 Phase Wound Rotor Induction Motor with DC Generator setup	2	De Lorenzo	DL-MAC-CCA_E			
1	2	EEM LAB	3phase Auto Transformer	1	Tesca	22235708.7			
2	2	EEM LAB	3phase Resistive Load Box	1	De Lorenzo	DL 30040R			
3	2	EEM LAB	Measurement of Displacement using LVDT	1	Tesca	52001			
4	2	EEM LAB	Measurement & control of Temp. Using Thermocouple	1	Tesca	52006			

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5	2	EEM LAB	Torque measurement Trainer	1	Kingsom	KS-10			
6	2	EEM LAB	Measurement of Strain using Strain Gauge	1	Tesca	52003A			
7	2	EEM LAB	Pressure Measurement Module	1	Tesca	52013			
8	2	EEM LAB	Capacitive Pickup trainer	5	MCP	M21-7100			
9	2	EEM LAB	Regulated DC power Supply	2	Kuaigu	SPS-W3010			
10	2	EEM LAB	Schering Bridge	2	Tesca	36314			
11	2	EEM LAB	Kelvin's Double Bridge	2	Tesca	36340			
12	2	EEM LAB	Anderson Bridge For self-inductance	2	Tesca	36132			
13	2	EEM LAB	Decade capacitive box	2	Sinosource	J01429			
14	2	EEM LAB	Portable Wheatstone bridge	2	MCP	DWB-01			
15	2	EEM LAB	Deflection galvanometer	2	Tesca	36290			
16	2	EEM LAB	Spectrum analyzer	1	UNI-T	UTS1030			
17	2	EEM LAB	Synchro scope	1	Tesca	22235708.86			
18	2	EEM LAB	Auto Transformer	1	Tesca	22235708.87			
19	2	EEM LAB	1 Load box ,1 KW, 4 AMP, 230V	10	Santwell	JBD-4			
1	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	LVDT Kit	5	Tesca	52001			
2	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	Strain Gauge Kit	5	Tesca	52003A			
3	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	Photo Transducers Kit	5	Tesca	52005			
4	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	Optical Transducer Kit	5	Tesca	52011			
5	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	CRO Trainer	5	Tesca	22235708.62A			
6	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	Kelvin's Double Bridge	5	Tesca	36340			

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7	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	Digital Storage Oscilloscope D36060CA (APLAB)	1	UNI-T	UTD2102CEX+			
8	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	LCR Q Meter 4910 (APLAB)	2	Jinko	JK2817N			
9	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	Digilent NI MYRIO Mechatronics Kit	5	Digilent	6002-240-003			
10	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	Digital Gauge Meter	2	XINYIYB	YW-100B			
11	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	Decade Capacitance BOX, MODEL NO. - 709 (NAVIS)	2	Tesca	19101			
12	2	ELECTRICAL MEASUREMENT & INSTRUMENTATION LABORATORY	Function Generator	2	Rigol	DG812			
1	2	ELECTRICAL/ELECTRONIC	D.C. Motor	2	De Lorenzo	DL 2057 DL 2040			
2	2	ELECTRICAL/ELECTRONIC	Three Phase Induction Motor	2	De Lorenzo	DL 2050			
3	2	ELECTRICAL/ELECTRONIC	Three Phase Transformer	2	De Lorenzo	DL 2080			
4	2	ELECTRICAL/ELECTRONIC	Single Phase Transformer	1	De Lorenzo	DL 1093			
5	2	ELECTRICAL/ELECTRONIC	Single Phase Transformer	1	De Lorenzo	DL 2093			
6	2	ELECTRICAL/ELECTRONIC	DC Motor – 1HP	2	Tesca	22235708.6			
7	2	ELECTRICAL/ELECTRONIC	DC Motor – 3HP	2	Tesca	22235708.7			
8	2	ELECTRICAL/ELECTRONIC	DC Motor & Generator Set	2	De Lorenzo	DL 30220 DL 30250			
9	2	ELECTRICAL/ELECTRONIC	Three Phase Induction Motor	1	De Lorenzo	DL 30115			
10	2	ELECTRICAL/ELECTRONIC	Charger and DC Generator Set	1	Tesca	69039			
11	2	ELECTRICAL/ELECTRONIC	Three Phase Induction Motor and DC Generator Set	1	Tesca	22235708.11			
12	2	ELECTRICAL/ELECTRONIC	DC Motor and single-Phase Alternator	2	Tesca	22235708.12			
13	2	ELECTRICAL/ELECTRONIC	DC Motor and 3 Phase Alternator	2	Tesca	22235708.13			
14	2	ELECTRICAL/ELECTRONIC	Regulated DC power supply	5	Tesca	22235708.14			

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1	2	MACHINE & BEE LAB	Main AC Incoming Panel	1	Giant Electric	GCK			
2	2	MACHINE & BEE LAB	AC Distribution Panel	1	Tesca	TPN18-125			
3	2	MACHINE & BEE LAB	Current Transformer	1	Everfar	DM20			
4	2	MACHINE & BEE LAB	Potential Transformer	1	Sanai	LB5-66			
5	2	MACHINE & BEE LAB	Resistance Temperature Display	1	Tesca	22235708.93			
6	2	MACHINE & BEE LAB	AC AMMETER	5	De Lorenzo	DL 2109T5A			
7	2	MACHINE & BEE LAB	AC VOLTMETER	5	De Lorenzo	DL 2109T1PV			
8	2	MACHINE & BEE LAB	AC VOLTMETER	5	De Lorenzo	DL 2109T3PV			
9	2	MACHINE & BEE LAB	WATTMETER	5	De Lorenzo	DL 2109D30			
10	2	MACHINE & BEE LAB	WATTMETER	5	De Lorenzo	DL 2109T17			
11	2	MACHINE & BEE LAB	WATTMETER	5	De Lorenzo	DL 2109T29			
12	2	MACHINE & BEE LAB	ENERGYMETER 1 phase two wire,	2	De Lorenzo	DL 9030			
13	2	MACHINE & BEE LAB	MULTIMETER– CMR	2	UNI-T	UT39A+			
1	2	POWER ELECTRONICS LABORATORY	High Voltage ProHigh Power 220V Single Phase Automatic Power Voltage Regulator:	5	Xinlong	DPS3010U			
2	2	POWER ELECTRONICS LABORATORY	Current probe 100A ac/dc; Tektronix	5	Aiyong	ETA5301A			
3	2	POWER ELECTRONICS LABORATORY	Digital Power Meter; WT 230	2	Inventfine	WT211			
4	2	POWER ELECTRONICS LABORATORY	Agilent DSO 100MH 2 Chanel Oscilloscope	1	Hantek	DSO2D10			
5	2	POWER ELECTRONICS LABORATORY	Voltage Probe; Agilent 1007, 100:1, 250MHZ HIGH	5	FNIRSI	P4100			
6	2	POWER ELECTRONICS LABORATORY	JTAG Emulator for Interfacing the DSP, XDSS510PP	2	Wireless-Tag	IDO-SOM2D01-V1-1G			
7	2	POWER ELECTRONICS LABORATORY	Three Phase Power Quality Analyzer, Fluke 434	1	Weisheng	VS-X710			
8	2	POWER ELECTRONICS LABORATORY	Arbitrary Function Generator AFG 3102	1	Rigol	DG812			

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9	2	POWER ELECTRONICS LABORATORY	Programmable Power Supplies Agilent-6030A	2	Tesca	PPS-4305			
10	2	POWER ELECTRONICS LABORATORY	4-CH DSO, Tektronix – TPS2024-	1	UNI-T	MSO3254E			
11	2	POWER ELECTRONICS LABORATORY	2-Channel, 10 MHZ Function Generator 33210A	1	Twintex	TFG-5225			
12	2	POWER ELECTRONICS LABORATORY	Passive Current probe Tektronix	5	Cleqee	P2301C			
13	2	POWER ELECTRONICS LABORATORY	Small Electric Vehicle	1	Runhorse	J2			
1	2	POWER SYSTEM LABORATORY	AC Generator protection Panel, equip/08/06-07	1	Tesca	22235708.25			
2	2	POWER SYSTEM LABORATORY	Relay Testing kit	2	Huatian	HT-1200			
3	2	POWER SYSTEM LABORATORY	Static Var Compensator	1	Strong Power	ZB-SVG			
4	2	POWER SYSTEM LABORATORY	Artificial Transmission Line A B C D	1	Tesca	46585			
5	2	POWER SYSTEM LABORATORY	DC network analyser, equip/61/04-05 & determination of ABCD parameter,	1	Vision	KC901V			
6	2	POWER SYSTEM LABORATORY	Adaptive power factor controller, equip/61/04-05	1	Jiukang	JKW58			
7	2	POWER SYSTEM LABORATORY	Numerical Relay	2	CHNT	NTE8-10A			
8	2	POWER SYSTEM LABORATORY	Air circuit breaker (Digital Trip Relay) & Accessories	3	Andelli	DZ58LE-125			
9	2	POWER SYSTEM LABORATORY	Scada based Electric Power Transmission System	1	Tesca	40510			
1	3	HEAT & MASS TRANSFER LAB	Composite Walls Apparatus	1	Mass International	HT 01			
2	3	HEAT & MASS TRANSFER LAB	Lagged Pipe Apparatus	1	Mass International	HT 02			
3	3	HEAT & MASS TRANSFER LAB	Heat Pipe Apparatus	1	Mass International	HT 03			
4	3	HEAT & MASS TRANSFER LAB	Natural Convection Apparatus	1	Mass International	HT 10			
5	3	HEAT & MASS TRANSFER LAB	Forced Convection Apparatus	1	TecQuipment	TD1005			
6	3	HEAT & MASS TRANSFER LAB	Heat Transfer in Agitated Vessel	1	Mass International	HT 20			

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7	3	HEAT & MASS TRANSFER LAB	Stefan Boltzmanns Apparatus	1	Mass International	HT 12			
8	3	HEAT & MASS TRANSFER LAB	Critical Heat Flux Apparatus	1	Mass International	HT 28			
9	3	HEAT & MASS TRANSFER LAB	Shell & Tube Heat Exchanger (Water to Water)	1	TecQuipment	TD360C			
10	3	HEAT & MASS TRANSFER LAB	Plate Type Heat Exchanger Apparatus	1	Mass International	HT 15A			
11	3	HEAT & MASS TRANSFER LAB	Thermal Conductivity of Metal Rod	1	Mass International	HT 05			
12	3	HEAT & MASS TRANSFER LAB	Thermal Conductivity of Insulating Powder	1	Mass International	HT 04			
1	3	HYDRAULICS & FLUID MECHANICS LAB	Air Compressor Test Rig	1	Mass International	HM 14			
1	3	HYDRAULICS & FLUID MECHANICS LAB	Refrigeration Cycle Training Bench	1	Mass International	TD 01 A			
1	3	HYDRAULICS & FLUID MECHANICS LAB	Reynold's Apparatus	1	Mass International	FM 10			
2	3	HYDRAULICS & FLUID MECHANICS LAB	Air Conditioning Cycle	1	TecQuipment	EC1501V			
2	3	HYDRAULICS & FLUID MECHANICS LAB	Centrifugal Blower Test Rig	1	Mass International	HM 01			
2	3	HYDRAULICS & FLUID MECHANICS LAB	Verification of Bernoulli's Apparatus	1	TecQuipment	H5			
3	3	HYDRAULICS & FLUID MECHANICS LAB	Flow Over Notches Apparatus	1	TecQuipment	H6			
3	3	HYDRAULICS & FLUID MECHANICS LAB	Mechanical Heat Pump Trainer	1	Mass International	TD 05			
3	3	HYDRAULICS & FLUID MECHANICS LAB	Water Cooling Tower Apparatus	1	Mass International	HT 24			
4	3	HYDRAULICS & FLUID MECHANICS LAB	Cold Storage Trainer	1	Mass International	TD 11			
4	3	HYDRAULICS & FLUID MECHANICS LAB	Flow Measurement by Venturi meter & Orifice meter Apparatus	1	Mass International	FM 02 B			
4	3	HYDRAULICS & FLUID MECHANICS LAB	Separating & Throttling Calorimeter with Boiler	1	Mass International	HT 25			
5	3	HYDRAULICS & FLUID MECHANICS LAB	Hydraulic Trainer Electrohydraulic	1	Mass International	MI EHT			
5	3	HYDRAULICS & FLUID MECHANICS LAB	Losses in Pipe Fittings	1	Mass International	FM 06			
5	3	HYDRAULICS & FLUID MECHANICS LAB	Refrigerant Charging Unit	1	DSZH	DS-20114			

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6	3	HYDRAULICS & FLUID MECHANICS LAB	Losses in Pipe Friction	1	Mass International	FM 04			
6	3	HYDRAULICS & FLUID MECHANICS LAB	Radiant transfer Experiment (TD1003)	1	TecQuipment	TD1003			
6	3	HYDRAULICS & FLUID MECHANICS LAB	Refrigeration & Air Conditioning Components	1	De Lorenzo	DL CNSPLI-KT			
7	3	HYDRAULICS & FLUID MECHANICS LAB	Free & Forced Vortex Apparatus	1	Mass International	FM 14			
7	3	HYDRAULICS & FLUID MECHANICS LAB	Heat Transfer Experiment	1	TecQuipment	TD1002			
8	3	HYDRAULICS & FLUID MECHANICS LAB	Linear Heat Conduction	1	TecQuipment	TD1002A			
8	3	HYDRAULICS & FLUID MECHANICS LAB	Study of Flow Measurement Devices	1	TecQuipment	H10			
9	3	HYDRAULICS & FLUID MECHANICS LAB	Open Channel Apparatus	1	Mass International	HM 20			
9	3	HYDRAULICS & FLUID MECHANICS LAB	Radial Heat Conduction	1	TecQuipment	TD1002B			
10	3	HYDRAULICS & FLUID MECHANICS LAB	Pelton Wheel Turbine Test Setup -	1	Mass International	HM 09 (A)			
11	3	HYDRAULICS & FLUID MECHANICS LAB	Francis Turbine Test Setup -	1	Mass International	HM 10			
12	3	HYDRAULICS & FLUID MECHANICS LAB	Kaplan Turbine Test Setup	1	Mass International	HM 11 (A)			
13	3	HYDRAULICS & FLUID MECHANICS LAB	AC Motor & Pulley Type	1	Tesca	69004B.1			
14	3	HYDRAULICS & FLUID MECHANICS LAB	Multistage Centrifugal Pump Test Rig	1	Mass International	HM 02			
15	3	HYDRAULICS & FLUID MECHANICS LAB	Gear Pump Test Rig	1	Mass International	HM 05			
16	3	HYDRAULICS & FLUID MECHANICS LAB	Hydraulic Ram Test Setup	1	Mass International	HM 08			
17	3	HYDRAULICS & FLUID MECHANICS LAB	Hydraulic Bench	1	Mass International	FM-HB			
18	3	HYDRAULICS & FLUID MECHANICS LAB	Calibration of a pressure gauge	1	TecQuipment	H3A			
19	3	HYDRAULICS & FLUID MECHANICS LAB	Centre of Pressure	1	Mass International	FM 18			
20	3	HYDRAULICS & FLUID MECHANICS LAB	Cavitation Demonstration Kit	1	TecQuipment	H400			
21	3	HYDRAULICS & FLUID MECHANICS LAB	Pressure Measurement Bench	1	Mass International	FM-HBA-11			
22	3	HYDRAULICS & FLUID MECHANICS LAB	Fluid Friction Apparatus	1	Mass International	FM-HBA-24			

Item	Lot		Description	Qty	Brand	Cat. No.	Delivery Confirmation	Installation, Commissioning & Training	Remark
23	3	HYDRAULICS & FLUID MECHANICS LAB	Jet Trajectory and Orifice Flow	1	Mass International	FM-HBA-07			
24	3	HYDRAULICS & FLUID MECHANICS LAB	Cavitation demonstration Unit with Stroboscope (ST1)	1	TecQuipment	H400 ST1			
1	3	MECHANICAL	Mobile table	2	Sealey	AP1100M			
2	3	MECHANICAL	Petrol Engine	1	Tesca	29705E			
3	3	MECHANICAL	Diesel Engine	1	Tesca	29705F			
4	3	MECHANICAL	Car Steering System - Rack & Pinion Type	1	Tesca	29706A			
5	3	MECHANICAL	Car Steering System - Worm & Roller Type	1	Tesca	29706B			
6	3	MECHANICAL	Hydraulic Power Steering System of a Car- Actual Working Models	1	Tesca	29707B			
7	3	MECHANICAL	Synchro Mesh Gear Box with Clutch	1	Tesca	29709B			
8	3	MECHANICAL	Constant Mesh Gear Box (Actual Cut Section)	1	Tesca	29709C			
9	3	MECHANICAL	Automatic Gear Box -	1	Tesca	29712			
10	3	MECHANICAL	Rear Axial Assembly with Differential Gear Fully Floating Type - Actual Cut Section	1	Tesca	29714			
11	3	MECHANICAL	Mock Layout of Car Wiring Latest Type	1	Tesca	29722			
12	3	MECHANICAL	Electronic Ignition System of An Automobile	1	De Lorenzo	DL AM13			
13	3	MECHANICAL	Fully Automatic Battery Charger	1	Sealey	MBC420			
14	3	MECHANICAL	Air Brake System of a Truck - Actual Working with Motorized Air Compressor	1	Tesca	22235728.14			
15	3	MECHANICAL	Anti-Lock Braking System (ABS) Trainer	1	De Lorenzo	DL AM11			
16	3	MECHANICAL	Auto-Diagnostic tool	2	Autel	MaxiSYS Ultra			
17	3	MECHANICAL	Vehicle Hoist	1	GG Lifters	LTC50/1960-3J			
18	3	MECHANICAL	Automatic tyre changer	1	Sealey	TC10			
19	3	MECHANICAL	Radiator Pressure Gauge	2	Wika	312.20			

Item	Lot		Description	Qty	Brand	Cat. No.	Delivery Confirmation	Installation, Commissioning & Training	Remark
20	3	MECHANICAL	Injector Cleaner	1	Autool	CT150			
21	3	MECHANICAL	Wheel Balancer	1	Sealey	WB10			
22	3	MECHANICAL	Computerized injector tester	1	Autool	CT150			
23	3	MECHANICAL	Advanced digital timing light	2	Sealey	TL93			
24	3	MECHANICAL	Engine Stand	2	Sealey	ES900F			
25	3	MECHANICAL	Laser thermometer	2	Sealey	VS900			
26	3	MECHANICAL	Impact wrench	1	Sealey	SA6007			
27	3	MECHANICAL	Air compressor	1	Sealey	SAC10030F			
28	3	MECHANICAL	Combination Brake Lathe	1	Almaco	T8445			
29	3	MECHANICAL	Stand Jack	8	Sealey	AS60			
30	3	MECHANICAL	Waste oil collector	1	Sealey	AK80D			
31	3	MECHANICAL	Hand tools set	4	Sealey	AK66723 AK63015			
32	3	MECHANICAL	High pressure car washer	1	Sealey	PWTF2200			
33	3	MECHANICAL	Diesel fuel injector tester	1	Almaco	TS12			
34	3	MECHANICAL	Car AC Servicing Machine	1	Autool	LM706			
35	3	MECHANICAL	Car body polisher	1	Sealey	ER1700P			
36	3	MECHANICAL	Car Vacuum cleaning machine	1	Sealey	PC200SDAUTO			
37	3	MECHANICAL	Bearing adapter kit	2	FreeTec	FT6412			
38	3	MECHANICAL	Piston ring clamp	1	Sealey	VS155			
39	3	MECHANICAL	Break caliper wind Back tool	2	Sealey	VS0285 MG796L			
40	3	MECHANICAL	Machinist Vise	4	Sealey	ASV200			
41	3	MECHANICAL	Diesel smoke meter	1	Sealey	VS870			

Item	Lot		Description	Qty	Brand	Cat. No.	Delivery Confirmation	Installation, Commissioning & Training	Remark
42	3	MECHANICAL	Creeper	4	Sealey	SCR79			
43	3	MECHANICAL	Auto Electrical hand tools set	4	Sealey	AK7939			
44	3	MECHANICAL	Engine timing tools kits	2	Sealey	VSE5555			
45	3	MECHANICAL	Ball joint tools set	1	Orion Motor	8542039067			
46	3	MECHANICAL	Automatic Wheel Alignment tool	1	Autool	XC505			
47	3	MECHANICAL	Head and block re-surfacer	1	COMEC	RP1300			
48	3	MECHANICAL	Digital diesel injection pump tester	1	Almaco	TS12			
49	3	MECHANICAL	Petrol Engine Test Bench	1	Scitech	AM 225			
50	3	MECHANICAL	Diesel Engine Test Bench	1	Scitech	AM 226			
51	3	MECHANICAL	Digital Hydraulic press	1	Sealey	YK6ECB			
52	3	MECHANICAL	Engine Hoist	1	Sealey	PH20			
1	3	MECHANICAL WORKSHOP	Precision engine Lathe machines	1	Timeway	T-1440A			
2	3	MECHANICAL WORKSHOP	CNC square hard guide way flatbed	1	Timeway	CK-500/1000			
3	3	MECHANICAL WORKSHOP	Pillar Drilling machines	1	Timeway	ZS-32			
4	3	MECHANICAL WORKSHOP	Turning machines	1	Timeway	CK-36			
5	3	MECHANICAL WORKSHOP	CNC 5 axis Milling machine	3	Timeway	VMC650G			
6	3	MECHANICAL WORKSHOP	Surface grinding machine	2	Timeway	KSG-2550AH			
7	3	MECHANICAL WORKSHOP	Threading machine	1	Timeway	TS-65			
8	3	MECHANICAL WORKSHOP	Re-boring machine	1	Timeway	B180A			
9	3	MECHANICAL WORKSHOP	End mill cutters	5	Timeway	D0.6-32x200			
10	3	MECHANICAL WORKSHOP	Angle grinder	2	Bosch	GWS 600			

Item	Lot		Description	Qty	Brand	Cat. No.	Delivery Confirmation	Installation, Commissioning & Training	Remark
11	3	MECHANICAL WORKSHOP	Shaping machine	1	Timeway	SM630			
12	3	MECHANICAL WORKSHOP	Vertical Band saw	2	Timeway	VB55360			
13	3	MECHANICAL WORKSHOP	Horizontal cut-off saw	1	Timeway	BS-712N			
14	3	MECHANICAL WORKSHOP	Machinist Vise	4	Sealey	ASV200			
1	3	THEORY OF MACHINE LAB.	Static & Dynamic Balancing Apparatus	1	Mass International	TOM 04			
2	3	THEORY OF MACHINE LAB.	Motorized Governor Apparatus	1	Mass International	TOM 05			
3	3	THEORY OF MACHINE LAB.	Cam Analysis Apparatus	1	Mass International	TOM 02			
4	3	THEORY OF MACHINE LAB.	Vibration Lab.	1	Mass International	TOM 01			
7	3	THEORY OF MACHINE LAB.	Epicyclical Gear Train Holding Torque Apparatus	1	Mass International	TOM 11			
8	3	THEORY OF MACHINE LAB.	Journal Bearing Apparatus	1	TecQuipment	TM25			
9	3	THEORY OF MACHINE LAB.	Material Lab	1	TecQuipment	MF40 (MKII) VDAS-B (mkII)			
10	3	THEORY OF MACHINE LAB.	Bench Top Tensile Testing	1	TecQuipment	SM1002 SM1002A			
11	3	THEORY OF MACHINE LAB.	Spring Testing Apparatus	1	EST Test Instrument	ETH-2000			
13	3	THEORY OF MACHINE LAB.	Strain Gauge Kit	1	Tesca	52003A			
15	3	THEORY OF MACHINE LAB.	Creep Testing Machine	1	TecQuipment	SM1006			
16	3	THEORY OF MACHINE LAB.	Energy Absorbed at Fracture	1	TecQuipment	TE15			
17	3	THEORY OF MACHINE LAB.	Linear Inverter Pendulum	1	Quanser	IP02			
18	3	THEORY OF MACHINE LAB.	DC Motor Rotary Servo Plant (SRV02)	1	Quanser	SRV02			
1	3	WELDING WORKSHOP	Welding Helmet	25	Sealey	S01001			
2	3	WELDING WORKSHOP	An Angle Grinder:	2	Sealey	SAG230			

Item	Lot		Description	Qty	Brand	Cat. No.	Delivery Confirmation	Installation, Commissioning & Training	Remark
3	3	WELDING WORKSHOP	Smart MIG Welding Machine	1	Sealey	POWERMIG3525			
4	3	WELDING WORKSHOP	Pipe Cutting Machine	1	Baorui	MC-425			
5	3	WELDING WORKSHOP	Welding Cutting Tool Kit	2	Sealey	SGA6 SGA2			
6	3	WELDING WORKSHOP	Hydraulic Tubing Bender	1	Sealey	PBS99/14			
7	3	WELDING WORKSHOP	Stand Drilling Machine	1	Sealey	SM2502			
8	3	WELDING WORKSHOP	Gas Welding Set	2	Sealey	SGA1			
9	3	WELDING WORKSHOP	Bench Grinder	1	Sealey	BG200XL			
10	3	WELDING WORKSHOP	Welding clamps	5	Sealey	AK67			
11	3	WELDING WORKSHOP	Leather Welding Gloves	25	Sealey	SSP141			
12	3	WELDING WORKSHOP	Metal Folding machine	1	Almaco	WS1.6X1300			
13	3	WELDING WORKSHOP	Arc welding machine	1	Sealey	220XTD			
14	3	WELDING WORKSHOP	Machinist Vise	4	Sealey	ASV200			
1	4	INNOVATION LAB	PC for CAD workstation (x 6) & 3D scanner (x 1)	7	Lenovo Creality	M90t G3 C22-20			
2	4	INNOVATION LAB	CAD desks	3	A2S	1.001.000			
3	4	INNOVATION LAB	FDM 3D printer: Ultimaker 2+ Connect	5	Ultimaker	2+ Connect			
4	4	INNOVATION LAB	Tables for 3D printers	2	A2S	1.001.000			
5	4	INNOVATION LAB	Laser cutter: LS1390 PRO Laser Multi Cut	1	Laserscript	LS1390 PRO			
6	4	INNOVATION LAB	PC for electronics (x 3) & laser cutter/CNC (x 1)	4	Lenovo Laserscript	M90t G3			
7	4	INNOVATION LAB	Desk for L-cutter/CNC PC & CNC	1	A2S	1.001.000			
8	4	INNOVATION LAB	Desktop CNC: Pocket NC V2-50	1	Pocket NC	V2-50CHB			
9	4	INNOVATION LAB	3D scanner: Creality CR-Scan 01 3D Scanner	1	Creality	CR-Scan 01 3D Scanner Set			

Item	Lot		Description	Qty	Brand	Cat. No.	Delivery Confirmation	Installation, Commissioning & Training	Remark
10	4	INNOVATION LAB	Desk/table for 3D Scanner	1	A2S	1.001.000			
12	4	INNOVATION LAB	Electronics workbench	3	Workbenches Limited	MDESD			
13	4	INNOVATION LAB	Oscilloscope (elex bench)	1	Owon	XDS2102A			
14	4	INNOVATION LAB	Bench power supply	3	Aim-TTi	CPX400S			
15	4	INNOVATION LAB	Soldering irons (elex bench)	4	DURATOOL	D00675			
16	4	INNOVATION LAB	Task light and magnification (elex bench)	3	RS Pro	136-3722			
17	4	INNOVATION LAB	Arduino starter kits	30	Arduino	AKX00026			
18	4	INNOVATION LAB	R-Pi starter kits + accessories + cooling + projects	15	THE PI HUT FREENOVE	RPI4KIT-4GB 102457			
19	4	INNOVATION LAB	Multi meters (elex bench)	3	RS Pro	146-9139			
21	4	INNOVATION LAB	Materials and componentry supplies	1					
21	4	INNOVATION LAB	Workbenches with storage (mech)	3	Bott	41002133.11v			
22	4	INNOVATION LAB	Pillar drill	1	RS Pro	181-8945			
23	4	INNOVATION LAB	Angle grinder + discs	1	DeWalt RS Pro	DCG412M2-GB			
23	4	INNOVATION LAB	Breadboards	6	Digilent	340-002-1			
23	4	INNOVATION LAB	Clamp set	2	Bessey	EZM-EZL-SET			
23	4	INNOVATION LAB	Clamps	4	Clarke	CHT359			
23	4	INNOVATION LAB	Combi square	3	Bahco	CS300			
23	4	INNOVATION LAB	Crimp terminal kit	1	HellermannTyton	A801632T 630PC			
23	4	INNOVATION LAB	Drill + bits + hole cutter	1	DeWalt Dormer RS Pro	DCD791D2-GB A095204			
23	4	INNOVATION LAB	Dupont wire kit	4	THE PI HUT	102394			
23	4	INNOVATION LAB	Hacksaw + blades Pk10	1	Facom	601PB			
23	4	INNOVATION LAB	Hammer + mallet	1	Stanley Facom	STHT0-51309			

Item	Lot		Description	Qty	Brand	Cat. No.	Delivery Confirmation	Installation, Commissioning & Training	Remark
23	4	INNOVATION LAB	Jumper wire kit	1	Sunhayato	SKS-350			
23	4	INNOVATION LAB	Scissors	2	RS PRO	509-9948			
23	4	INNOVATION LAB	Scribe	3	Kleffmann & Weese	304-9008			
23	4	INNOVATION LAB	Solder sucker	3	RS Pro	771-9543			
23	4	INNOVATION LAB	Vernier scale	3	RS Pro	247-206			
23	4	INNOVATION LAB	Vice	1	Facom	1224.125E			
24	4	INNOVATION LAB	Tool chest (inlec + mech tools)	1	RS PRO	125-3046			
25	4	INNOVATION LAB	Tool chest (empty)	1	Halfords Advanced	355470			
26	4	INNOVATION LAB	Storage: (2x) racking, (20x) containers	2	Bigdug	B81915064BGS			
27	4	INNOVATION LAB	Tables (Ideation Space, E-Hub meeting rm)	3	Gresham	Script Barrel Shaped			
28	4	INNOVATION LAB	Stools (CAD, elec bench)	9	A2S	8.389.002			
29	4	INNOVATION LAB	Chairs (Ideation Space, office, meeting rm, E-hub + I-Lab)	18	Bigdug	Comfort Ergo 3-Lever Mesh			
30	4	INNOVATION LAB	Sink unit + tap	1	Vogue	DY820			
31	4	INNOVATION LAB	Interactive touchscreen display (E-Hub + I-Lab)	2	BVS ECOtouch	ETA754K-3			
32	4	INNOVATION LAB	Solar PV modules (375Wp), REC-375TP4	16	REC	REC-375TP4			
33	4	INNOVATION LAB	Inverter/charger (8kW)	1	Victron	48/10000/140-100/100			
34	4	INNOVATION LAB	Battery pack (6 modules + base & top)	1	BYD	HVM 16.6			
35	4	INNOVATION LAB	EV Charging Point, 7.4kW	1	ABB	6AGC082174			
36	4	INNOVATION LAB	PCs (E-Hub)	7	Lenovo	M90t G3			
37	4	INNOVATION LAB	Printer/p-copy (E-Hub)	1	Brother	MFC-J4540DW			
38	4	INNOVATION LAB	Desk w drawer unit (E-Hub + I-Lab)	2	Bigdug	Solar Panel End			
39	4	INNOVATION LAB	Reception desk (E-Hub)	1	Bigdug	Precision Reception Desk			

Item	Lot		Description	Qty	Brand	Cat. No.	Delivery Confirmation	Installation, Commissioning & Training	Remark
40	4	INNOVATION LAB	Reception/ breakout area table (E-Hub reception)	1	Bigdug	Devonshire Rectangular			
41	4	INNOVATION LAB	Reception/ breakout area seating (E-Hub reception)	4	Bigdug	Devonshire Wooden			
42	4	INNOVATION LAB	Recep'n/meeting refreshments machine (E-Hub reception)	1	Flavia	Creation 500 Coffee			