

BMS COLLEGE OF ENGINEERING

ESTD 1946 / Autonomous Institution I Aided by GoK I Affiliated to VTU I Approved by AICTE I Accredited by NBA

PO Box: 1908, Bull Temple Road, Bengaluru - 560019, Karnataka India. Tel: 080-26622130 - 135 (Extn 5021),

Email ID: principal@bmsce.ac.in / storessection@bmsce.ac.in

Ref: Tender Ref. No: ST/DCA/AICTE Grants/ME-2/2025-26/18/62 Date: 15.09.2025

Tender Notice of BMSCE-AICTE IDEA Lab

Sealed/Online tenders are invited from reputed and experienced suppliers, manufacturers, or authorized distributors for the **supply, installation, and commissioning of equipment, tools, and machines** for setting up an **AICTE IDEA Lab** at our institute. The laboratory is to be developed as per the AICTE guidelines for promoting innovation, design thinking, and prototyping skills among students and faculty. The detailed specifications of the required items are enclosed with this document.

Terms and Conditions

The following Terms and Conditions apply to all bidders participating in the tender for the supply, installation, and commissioning of equipment, tools, and machines for the establishment of an AICTE IDEA Lab. All prospective vendors are required to read and comply with these terms in their entirety.

1. Instructions to Bidders

- Bids shall be submitted in English only
- The tender shall be conducted under a Two-Bid System: Technical Bid and Financial Bid.
- Bidders must be registered with valid PAN, GST and must have at least 3 years of experience in supplying lab equipment.
- The tender documents can be downloaded from the institution's website <https://bmsce.ac.in/>
- Bidders must not be blacklisted or under investigation by any government authority.
- OEM authorization is mandatory where applicable.
- All documents must be signed and stamped by the authorized signatory.
- Incomplete or conditional bids will be rejected.
- Bids must be submitted before the deadline specified in the tender notice.
- All goods must be delivered, installed, and commissioned within the time frame specified in the Purchase Order (PO).
- Partial deliveries may be accepted only with prior written approval from the signatory.

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- Failure to meet the delivery schedule may lead to penalties or cancellation of order.
- Any faults during the warranty period must be rectified and replaced if required by the supplier at no additional cost.
- Bidders must provide details of service support and escalation matrix.
- All disputes shall be subject to arbitration in accordance with the Arbitration and Conciliation Act, 1996.

2. Conditions of Contract

- The contract shall be governed by the General Financial Rules (GFR) 2017 and the terms set forth in this document.
- The successful bidder shall provide a Security of 5% of the purchase value. The same will be refunded after the successful supply & installation of machinery and equipment.
- The items must be delivered and installed within 45–60 days from the date of purchase order.
- A warranty of minimum 3 years must be provided on all supplied equipment.

3. Schedule of Requirements

The bidder must supply equipment listed under the technical specifications to The Principal
BMS College of Engineering, Bull Temple Road, Bengaluru-560019, Karnataka

Price Schedule Format

- The Technical & Financial bid must be submitted strictly in the Bid submission format provided (annexure 1)
- All prices must be inclusive of all taxes, duties, and delivery charges.
- The price bid must be mailed to principal@bmsce.ac.in and also to be submitted in a separate sealed envelope to:

The Principal

BMS College of Engineering,

Bull Temple Road,

Bengaluru-560019, Karnataka

Clearly marked as "Technical & Financial Bid for AICTE IDEAL lab equipment" on the envelope

4. Qualification Requirements

Bidders must submit the Technical and Financial Bids along with copies documents listed in the check list (annexure 2)

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5. Other Standard Forms

The following forms must be submitted:

- Non-black listing form (annexure 3)
- Declaration on Non-Chinese and/or Pakistan Origin of Equipment / Instruments
/ Machinery (annexure 4)
- Bid Security Declaration (annexure 5)

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Annexure-1

FORMAT FOR BID SUBMISSION

Note to Bidders: This format must be strictly followed. Technical and financial bids must be submitted in a sealed envelope and also through e-mail.

I. TECHNICAL BID FORMAT

Covering Letter (on bidder's letterhead)

To: The Principal

BMS College of Engineering, Bull Temple Road, Bengaluru-560019, Karnataka

Subject: Submission of Technical Bid for the supply of Equipment/tools/Machine for AICTE IDEAL lab

1. Bidder Information:

- Company Name:
- Registered Address:
- Contact Person:
- Email ID:
- Mobile Number:
- Legal Status: (Proprietorship / Partnership / Pvt Ltd / Public Ltd / Others)
- PAN & GST Numbers (attach copies)

2. Eligibility Documents:

- Certificate of Incorporation / Registration
- GST Registration and PAN Copy
- OEM Authorization Letter (if applicable)
- Declaration of Non-Blacklisting (Annexure-3)
- Experience Certificate (minimum 3 years)
- Financial Turnover (last 3 years with CA certificate)

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3. Technical Compliance Sheet:

- Compliance with all technical specifications item-wise (Yes/No)
- Supporting product datasheets, brochures, or technical manuals (to be attached Compulsorily)

4. Service & Warranty Details:

- Minimum warranty offered: 3 years
- After-sales support details (Please provide the details below)

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- Service escalation matrix (compulsorily to be provided by the vendor)

Authorized Signatory:

Name:

Designation:

Signature with Seal:

Date:

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II. COMMERCIAL (FINANCIAL) BID FORMAT

Covering Letter (on bidder's letterhead)

To: The Principal

BMS College of Engineering, Bull Temple Road, Bengaluru-560019, Karnataka

Subject: Submission of Commercial Bid for [Tender Name] Price Bid Format (to be filled as per below template):

Sl. No.	Item Description	Qty	Unit Price (INR)	GST %	Total Price (INR)
1					
2					
...					
	Grand Total (incl. taxes)				₹

Note:

- All prices must be inclusive of delivery, installation, training, and three years warranty.
- Bids quoting NIL charges shall be treated as unresponsive and rejected as per GFR Rule 17(i).

Authorized Signatory:

Name:

Designation: Signature

with Seal: Date:

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Annexure-2

CHECKLIST

(To be printed on the bidder's letterhead and signed by the authorized signatory)

Sl. No.	Document Description	Attached (Yes/No)	Page No. / Reference
1	Annexure 1-Bid submission		
2	Annexure 3-Declaration of Non-Blacklisting		
3	Annexure 4- Declaration on Non-Chinese and/or non-Pakistan Origin of Equipment / Instruments / Machinery		
4	Annexure 5- BID Security declaration		
5	Covering Letter for Technical Bid		
6	Certificate of Incorporation / Registration		
7	PAN and GST Registration Copies		
8	OEM Authorization Letter (if applicable)		
9	Experience Certificates (3 years minimum)		
10	Financial Turnover Statement (last 3 years, CA certified)		
13	Product Brochures / Catalogues		
14	Service Support Details & Escalation Matrix		

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Declaration:

I hereby certify that the above documents have been enclosed in the Technical& Financial Bid Envelope and are true and correct to the best of my knowledge.

Authorized Signatory

Name:

Designation: Signature

with Seal Date:

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Annexure-3

Declaration of Non-Blacklisting

(To be submitted on the Rs 500/-stamp paper and signed by the authorized signatory)

I/We, M/s _____, having our registered office at _____, do hereby declare that:

1. **We have not been blacklisted or debarred** by any Government Department, Public Sector Undertaking, Autonomous Body, or any other Government Agency in India or abroad.
2. We are **not involved in any litigation** that may impact or compromise the timely delivery, quality, or execution of services/goods as required under this tender.
3. We understand that **any false declaration** in this regard shall result in our disqualification and may lead to further legal action by the procuring entity.
4. All the information and documents submitted by us in the bid are **true and correct to the best of our knowledge and belief**.

Authorized Signatory:

Name:

Designation:

Company Seal:

Date:

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Annexure-4

Declaration on Non-Chinese and/or non-Pakistan Origin of Equipment / Instruments / Machinery

(To be submitted on the bidder's letterhead and signed by the authorized signatory)

I/We, M/s _____, having our registered office at _____, do hereby declare that:

1. All equipment, machinery, instruments, or components proposed to be supplied under this tender **are not manufactured in the People's Republic of China and/or Pakistan**, nor are they of Chinese/Pakistan origin or assembled using parts sourced from Chinese/Pakistan manufacturers.

2. We fully comply with the Government of India's guidelines, orders, and circulars regarding the **procurement of goods from countries sharing a land border with India**, particularly those related to restrictions on Chinese origin equipment as per:

o Ministry of Finance, Department of Expenditure, Public Procurement Division, Order No. F.No.6/18/2019-PPD dated 23rd July 2020, and related amendments.

3. We understand that **non-compliance** with this declaration shall render our bid **liable for rejection**, and may also invite penal action including blacklisting.

4. We undertake that, if at any stage the above declaration is found to be false, BMS College of Engineering, shall be at liberty to terminate the contract and forfeit our security deposit/performance guarantee without notice.

Authorized Signatory:

Name:

Designation:

Company Seal:

Date:

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Annexure -5

BID Security Declaration

I/We understand that, as per tender conditions, bids must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with [Institution Name] for a period of one year if I am / we are in breach of any obligation under the bid conditions, including:

- (a) Withdrawal/modification of bid during the period of bid validity.
- (b) Failing to sign the contract after award of bid.

Signed

:

Name:

Design
ation:

Officia
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Date:

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TECHNICAL SPECIFICATION

Sr. No	Equipment	Preferred brands if any	Specifications	Qty
1	Single Nozzle 3D printer	Branded Company Product with at least three years product warranty	<p>Printing Technology: Fused Filament Fabrication (FFF) or Fused Deposition Modeling (FDM).</p> <p>Printable Area: The minimum printable area should be at least 310 x 310 x 310 mm or above</p> <p>Printer Design: Core XY or Cartesian.</p> <p>Temperature Range: Hot end: Up to 300°C or above Heat bed: Up to 120°C or above.</p> <p>Nozzle: Compatible with All polymers, 0.4, 0.6 and 0.8mm</p> <p>Steel Sheet: Provided with satin or smooth PEI surface.</p> <p>Filament Diameter: 1.75mm (supports PLA, PETG, ASA, ABS, etc.).</p> <p>Extruder: Gearbox with 1/10 ratio, Speed: 550 MM/Sec or above</p> <p>Stepper Drivers for smooth motion. or equivalent</p> <p>Stepper Motors: Choose between 1.8° or precise 0.9° X, Y stepper motors.</p> <p>LCD Screen: 3.5" graphic 65k color screen or larger.</p> <p>Connectivity: USB drive, LAN, or internet. Supported Materials: PLA, PETG, ASA, ABS, PP, PC, flexible filaments, and more.</p> <p>Wi-Fi Module: Built-in (network connectivity not required for setup or operation).</p> <p>Compatibility: Windows, macOS, Linux.</p> <p>Printer Dimensions: The maximum physical</p>	1

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			dimensions of the system 700 X 700 X 700 or above. Fully enclosed Machine.	
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2	PCB Milling Machine	Branded Company Product with at least three years product warranty	<p>Cutable Materials: Modeling Wax, Chemical Wood, Foam, Acrylic, Poly Acetate, ABS, PCB, Copper glad, etc Table Size: 225 (X) × 150 (Y) mm or more</p> <p>Drive System: Stepping Motor (X, Y, Z Axis) Operating Speed: 800 mm/min Software Resolution: 0.01 mm/step Position accuracy: 0.01 to 0.02 mm Max Travel Speed (mm/sec)-58 (2.28 “) Drilling (mm)-0.2 -3.175 (8-125 mil) Maximum Drilling Cycles/ Min-50</p> <p>Spindle Motor: DC Motor Type 380 or More Spindle Speed: Adjustable 20,000 and above rpm or more Tool Chuck Type: Collet Interface: USB or cable Control Commands: RML-1, NC code Power Supply: DC 24V, 2.5A (via AC 100– 240V, 50/60Hz adapter) Power Consumption: Approx. 50 W or more</p>	1
3	CO2 Laser Cutting Machine	Branded Company Product with at least three years product warranty	<p>Working Area: Min 600 x 900 mm or above Laser Type: CO2 DC Glass Laser Tube/RF Metal Laser Tube Laser Power: 80/100W Wave Length: Upto 10.6 Micrometer Cutting Speed: 30000 mm/min or more Engraving Speed: 64000 mm/min or more XY Axis: LM Guide Rail or equivalent Cooling: Air/ Water Cooling Supply Voltage: 230V/415 V Accessories: CO2 Focus Lens: 1 No. Mirror 25mm: 3 Nos. Acetone: 1 litre Acrylic sheet: 2 Nos</p>	1

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4	Vinyl Printer	Branded Company Product with at least Two years Warranty	Dimensions: 50 cm x 15 cm x 15 cm or above Weight: 15.4 lbs or less Max cut size using machine mat: 11.5 inch x 23.5 inch or more Cut speed: up to 14.1 ips	1
5	3D Scanner	Branded Company Product with at least three years product warranty	Technology: Stereo camera structured light with focusable cameras or equivalent CPU: Quad-core 64-bit SoC, 1.5GHz with integrated GPU RAM: 4 GB Projector: DLP MEMS mirror or equivalent Camera Sensor: Sony 13 MP or better Scan Speed: 4 seconds or more Working	1
			Distance Effective Working Distance: 160mm-1400mm Scan Speed : 980,000points/s, up to 14FPS Align Modes Feature Alignment, Hybrid Alignment, Texture Alignment, Global Markers Safety : Eye-safe Texture Scan : Yes Interface : USB2.0 or above Outdoor Scanning : Yes Output Formats : OBJ; STL; PLY; P3; 3MF Scanning Environment: Indoor and outdoor (shaded) Texture / Color Scanning: Yes Minimum Capturable Feature Size: 0.2 mm or less Scanner Weight: 500 grams or less Scanner Dimensions: upto 240 × 60 × 60 mm Compatible OS: Any OS supporting a modern web browser	

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6	Lathe Machine cum milling	Branded Company Product with at least three years product warranty	<p>Centre Width: Up to 400 mm or better Height of Centers: Up to 88 mm Maximum Workpiece Diameter: Up to 100 mm Machine Base: Cross-ribbed surface, high- quality cast iron with ground prismatic guide, capable of fitting milling/drilling attachment Spindle: Supported with adjustable taper roller bearings Spindle Receiver: MK3 or compatible Spindle Drill Hole: Up to 22 mm or better Spindle Concentricity: Up to 5 microns or better Chuck: 3-jaw chuck as per DIN 6386, centrally clamped, 100 mm diameter or better Run Out (without Chuck): Up to 10 microns Sleeve Receiver: MK2, retractable sleeve with scale Spindle Speed Range: Between 50 to 2500 rpm Speed Stages: 6-8 Motor Rating: 550W or better, induction motor, single phase 230V</p>	1
			<p>Traverse Cross: Up to 70 mm or better Traverse Longitudinal: Up to 300 mm or better Weight (Complete): Up to 55 kg or more</p> <p>Additional Accessories: Splash guard and chip collecting tray: 1 No. Cutter set with tungsten inserts: 2 Nos. Milling Attachment: 1nos Tungsten disposable tips ten-piece set: 1 No. Sample workpieces (Nylon Rod, Aluminium Rod) Desktop: 1 No.</p>	

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7	CNC Router	Branded Company Product with at least three years product warranty	Working Area: Min 1300 x 2500 mm Z Axis Working Area: 200 mm or above Resolution: $\pm 0.03/300\text{mm}$ or more CNC Spindle: 3KW or more Lathe Structure : Welding Steel Structure or equivalent XYZ Structure: Rack Pinion , Ball Screw Linear Rails Max Spindle Speed : Min 18000RPM Table: T-Slot/Vacuum Bed/Water Bed Repeatability: ± 0.03 Working Mode: Stepper Motor/Servo Motor Dust Collector : To be included by Vendor Voltage: AC 220V/415V, 50/60 Hz, 3 Phase	1
8	Belt and Disc Sanding Machine	Branded Company Product with at least three years product warranty	Motor: 230V 50Hz Power: 380W S2 30min No-load Speed: 1450rpm or more Belt Size: 100x914mm or less Disc Size: 150mm or better Table Titing Range: 0°-45° Belt Titing Range: 0°-90° Table Size: upto 190x125mm	1
9	Scroll Saw	Branded Company Product with at least three years product warranty	Power input: 50 Watt Thickness of Cut: 50 mm (2 inch) Throat: 406 mm (16 inch) Length of Stroke: 18 mm (11/16 inch) Strokes Per Minute: 400-1,600 SPM Overall Length: 600 mm (23-5/8 inch)	1
10	Wood Turning Lathe	Branded Company Product with at least three years product warranty	Motor: 230V~50Hz, 550W, S2:15min or above Max. Disc Diameter: min 75 mm Max. Cutting Length: 450 mm or more Spindle Speed: 5 speeds such as 1600 / 2600 / 3200 RPM etc Material: Cast Iron Bed Height: 0.2 m Cable Length: 0.850 m	1

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11	Bench Top Drill Machine	Branded Company Product with at least Three to Five years Warranty	Continuous rating input: Max. 250 W Capacity: Steel: Min 13 mm (1/2") Wood: Min 24 mm (15/16") No Load Speed (RPM): 570, 890, 1,300, 1,900, 2,670(50 Hz), 690, 1,070, 1,560, 2,280, 3,200(60 Hz) Net weight: Max. 20 kg (44.1 lbs.) Power supply cord: 1.75 m (5.7 ft) Additional Accessories: Bench Vise: 1 No., Drill Bit Set 10 Pcs: 1 No	1
12	Portable Welding Machine	Branded Company Product with at least Three to Five years Warranty	Welding Current (at 40°C, 10 min cycle): 120A @ 100%, 150A @ 60%, 200A @ 35% Supply Voltage: 240V +10%, -15%, 1 Phase, 50/60 Hz Open Circuit Voltage: 55V DC ±5V Welding Current Range: 15–200 Amps DC Insulation Class: F Type Ingress Protection: IP21 Dimensions (L×W×H) with Handle: upto 320×120×195 mm Weight (Approx.): 4.3 kg or less	1
13	Computerized Sewing Machine	Branded Company Product with at least three years product warranty	Motor: 120 W Max Sewing Speed: 860 SPM Power: 220 - 240 V Automation Grade: Automatic Max Stitch Length: 4mm Thread Type: Computerized Weight: 7.6 kg Number of Stitches: 120 Size/Dimension: 50.8 cm x 29.464 cm x 40.64 cm Maximum Stitch Width: 7 mm Number of Buttonhole Styles: 7 LCD Screen Display: Yes Bed Type: Free Arm/Flatbed convertible Bobbin Type: Drop & Sew Bobbin System	1

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14	Filament Dehydrator	Branded Company Product with at least three years product warranty	Operating Temperature Range: Min 45°C– 70°C Drying Time Setting: 0–48 hours or higher Hot-Air Heating: upto 360° circulation Moving Speed: 300 mm/s or more Power Rating: 160 W Shipping Weight: 2.5 kg	1
15	Reflow Oven	Branded Company Product with at least three years product warranty	No. of Waves: 7 or higher Heating Type: Infrared IC Heater Max. PCB Width: 300×320 mm or more Power Supply: AC 220V / 50Hz Peak Power: 1500W Cycle Time: 1–8 min or less Temperature Range: 0°C– 280°C	1

			Overall Dimensions: min 350×450 mm Machine Weight: upto 25 kg	
16	Digital multimeter	Branded Company Product with at least three years product warranty	Display Count: Up to 4000 DC Voltage Range: Up to 1000 V AC Voltage Range: Up to 1000 V DC Voltage Accuracy: $\pm 0.5\%$ or ± 3 digits, whichever is higher AC Voltage Accuracy: Within $\pm 1\%$ + 3 digits DC Current Measurement: Up to 10 A AC Current Measurement: Maximum 10 A DC Current Accuracy: $\pm 1.5\%$ + 3 digits (approximate) AC Current Accuracy: $\pm 1.5\%$ + 3 digits (typical) Resistance Measurement: Up to 40 M Ω Resistance Accuracy: Estimated at $\pm 1.5\%$ + 3 digits Capacitance Measurement: Up to 1000 μ F Capacitance Accuracy: $\pm 5\%$ or ± 5 digits Operating Temperature Range: From 0°C up to approximately 40°C Storage Temperature Range: Between -30°C and 60°C Overall Dimensions (H×W×L): Approximately 183×91×49.5 mm Unit Weight: Around 455 grams	5

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			Alternate,	
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			<p>Timeout, Event-Delay, Time-Delay, and Bus Arbitrary Waveform Generator (AWG): Dual- channel, 25 MHz, supporting various waveforms such as sine, square, pulse, ramp, DC, noise, sinc, Gaussian, Lorentz, exponential rise/fall, haversine, and cardiac</p> <p>AWG Sample Rate: 200 MSa/s</p> <p>AWG Vertical Resolution: 14 bits</p> <p>Display: 8-inch WVGA TFT LCD (800 × 480 pixels)</p> <p>Data Logging Capability: Up to 1000 hours</p> <p>Segmented Memory: Supports up to 29,000 segments for efficient waveform storage and retrieval</p> <p>Connectivity: USB 2.0 (host and device), Ethernet (RJ45), and Go-NoGo BNC</p> <p>Dimensions (W × H × D): 380× 200× 125 mm or above</p> <p>Weight: 2 Kgs or above</p> <p>Safety Compliance: Conforms to IEC 61010-1 and IEC 61010-2-030 standards, suitable for CAT III 600V and CAT II 1000V environments with</p>	21
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			Unit Weight: 2.5 kg or above Input Impedance: Nominal 1 M Ω // 16 pF Measurement Capabilities: Equipped for automatic parameter extraction, background	
			noise filtering, and AUTOSET configuration for display scaling (time base/gain) Protocol Decoding Support: Capable of analyzing I2C, SPI, UART, CAN, and LIN communication protocols Standard Accessories: Includes mains power cable, user manual (digital format), and one GTL-16E probe per input channel	

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19	Power supply	<p>Branded Company Product with at least three years product warranty</p>	<p>Output Configuration: 4-channel design with independent electrical isolation across all outputs</p> <p>Channel Output Ranges:</p> <ul style="list-style-type: none"> • CH1 & CH2: Adjustable output voltage from 0 to 32V with a current delivery capacity up to 3A • CH3: Variable range 0 to 5V supporting up to 1A • CH4: Output adjustable from 0 to 15V with a load current of up to 1A <p>Constant Voltage Operating Mode Line Regulation: $\leq 0.01\% + 3 \text{ mV}$ (approximate value within rated voltage range) Load Regulation: $\leq 0.01\% + 3 \text{ mV}$ (across rated load variation) Ripple & Noise: $\leq 1 \text{ mVrms}$ across full bandwidth</p> <p>Constant Current Operating Mode Line Regulation: $\leq 0.2\% + 3 \text{ mA}$ Load Regulation: $\leq 0.2\% + 3 \text{ mA}$ mA Ripple Current: $\leq 3 \text{ mArms}$ (typical)</p> <p>Safety & Operational Features Output Control: Independent output ON/OFF switching functionality is required Voltage Resolution: Approximately 100 mV (*1) Current Resolution: Approximately 10 mA (*1)</p> <p>Display Parameters Display Units: Four separate displays required for individual channel status visualization Display Type: 4.3-inch LCD (color or monochrome as applicable)</p> <p>Functional Features Tracking Operation: Supported (required for synchronizing output</p>	<p>1</p> <p>24</p>
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			behavior) Auto Series/Parallel: Supported (automatic internal reconfiguration required)	
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			Power Requirements Supply Input: 230V AC $\pm 10\%$, 50 Hz Mechanical Specifications Maximum Dimensions (W \times H \times D): Within 200 mm \times 100 mm \times 200 mm Maximum Weight: 10 kg or less	25
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20	Function Generator	<p>Branded Company Product with at least three years product warranty</p>	<p>Output Function: The equipment shall provide output waveforms including sine, square, triangle, and TTL signals as required.</p> <p>Frequency Range: For sine and square waveforms: approximately 0.1 Hz up to 3 MHz. For triangle waveform: approximately 0.1 Hz up to 1 MHz.</p> <p>Frequency Resolution: Frequency resolution shall be maintained within a maximum of 0.1 Hz.</p> <p>Frequency Stability: The frequency stability shall be within ± 20 ppm (parts per million). Frequency Accuracy: The frequency accuracy shall be maintained within ± 20 ppm.</p> <p>Frequency Aging: Frequency aging shall not exceed ± 5 ppm per annum.</p> <p>Amplitude Range: Output amplitude shall be up to 10 V peak-to-peak (Vp-p) into a 50 Ω load.</p> <p>Amplitude Accuracy: Amplitude accuracy shall be within $\pm 20\%$ at maximum amplitude setting.</p> <p>Output Impedance: Nominal output impedance shall be 50 Ω with a tolerance of $\pm 10\%$.</p> <p>Attenuator: A single-step attenuator of -40 dB ± 1 dB shall be provided.</p> <p>Display: A 6-digit LED display shall be incorporated for parameter indication.</p> <p>Output Control: Output shall be controlled via an ON/OFF selector switch.</p> <p>Power Source: The device shall operate on an AC supply of 240 V, 220 V, or 110 V $\pm 10\%$, with frequency 50/60 Hz.</p> <p>Ambient Operating Temperature: Normal operation shall be ensured within the ambient temperature range of 0 $^{\circ}\text{C}$ to 40 $^{\circ}\text{C}$.</p> <p>Dimensions: Maximum dimensions shall not exceed 255 mm (W) \times 95 mm (H) \times 295 mm (D).</p> <p>Weight: Maximum device weight shall</p>	1
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			be within 2.5 kg.	
21	Bench Top Multimeter	Branded Company Product with at	DC Voltage: Range: 500 mV to 1000 V across 5 ranges. Accuracy: $\pm(0.03\% \text{ rdg} + 4 \text{ digits})$. Input impedance: 10 M Ω .	1

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		least three years product warranty	<p>AC Voltage (True RMS): Range: 500 mV to 1000 V across 5 ranges. Accuracy: $\pm(0.5\% - 5\% \text{ rdg} + \text{digits})$ depending on frequency and range. Input impedance: $10 \text{ M}\Omega$. DC Current: Range: $500 \mu\text{A}$ to 20 A across 6 ranges. Accuracy: $\pm(0.02\% - 0.3\% \text{ rdg} + 2 \text{ digits})$ depending on range. AC Current (True RMS): Range: $500 \mu\text{A}$ to 20 A across 6 ranges. Accuracy: $\pm(0.5\% - 1\% \text{ rdg} + \text{digits})$ depending on frequency. Resistance: Range: 500Ω to $20 \text{ M}\Omega$ across 6 ranges. Accuracy: $\pm(0.1\% - 0.3\% \text{ rdg} + \text{digits})$ depending on range. Diode Test: Max forward voltage 1.5 V, open voltage 2.8 V. Capacitance: Range: 5 nF to $50 \mu\text{F}$. Accuracy: $\pm(2\% \text{ rdg} + 4 \text{ digits})$. Frequency: Input level varies by range; functions include Auto/Manual Range, Max, Min, dBm, Rel, Hold. Continuity Beep: Threshold $<5 \Omega$. Display: Dual 7-segment LED, $0.4''$ and $0.5''$. Power Source: AC $100/120/230 \text{ V} \pm 10\%$, $50/60 \text{ Hz}$. Dimensions & Weight: Approximately $251 \times 91 \times 291 \text{ mm}$; 2.6 kg.</p>	
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22	Non-Contact Voltage Tester	Branded Company Product with at least three years product warranty	<p>Function: Non-contact AC voltage detection tester.</p> <p>Voltage Detection Range: Approximately 90 V to 1000 V AC.</p> <p>Detection Method: Capacitive, with visual and audible indication.</p> <p>Sensitivity: Adjustable sensitivity for different voltage ranges.</p> <p>Response Time: Instantaneous detection within standard operating conditions.</p> <p>Indicators: Bright LED indicators and audible beep for voltage presence.</p> <p>Operating Environment: Suitable for use in ambient temperatures from 0 °C to 40 °C.</p> <p>Power Source: Powered by standard batteries (typically 2 × AAA or equivalent).</p> <p>Safety Standards: Complies with IEC/EN 61010-1 CAT III 1000 V safety standards.</p> <p>Dimensions: Compact, handheld design suitable for field use (approx. 150 mm × 30 mm × 25 mm).</p> <p>Weight: Lightweight, approximately 150 g for ease of portability.</p>	5
23	LCR Meter	Branded Company Product with at least three	<p>Display: Approximately 2.8" TFT touch LCD screen.</p> <p>Resolution: 25,000 or above counts resolution on both primary and secondary</p>	1

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			mm × 100 mm × 90 mm (W × H × D) or above Weight: Approximately 1.5 kg for ease of portability and bench use.	
25	Digital Microscope	Branded Company Product with at least three years product warranty	Specification: Magnification: 1600X Light source: 8 LED lights Resolution: 1920×1080, 640*480 Pixel: 30W Focal length: 3-40mm manual adjustment Support Android 4.2 or above/widows/Mac system	1

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26	Soldering Rework Station	<p>Branded Company Product with at least three years product warranty</p>	<p>Soldering Iron Power: Up to approximately 60 W output power with temperature adjustable within approximately 200 °C to 480 °C range. Heating Element: Needle bit with MCH heater providing rapid heat-up and stable temperature control within ± 2 °C. Hot Air Blower Power: Up to approximately 500 W output power with temperature adjustable within approximately 200 °C to 450 °C range, multiple nozzles included. Hot Air Features: Auto-pause function on placement in cradle, airflow adjustable within operational limits. DC Power Supply: Provides output voltage approximately 15 V up to 2 A maximum current plus 5 V USB output for auxiliary power. Control: Microcontroller-based system with LED indicators for temperature and mode selection. Safety: ESD-safe design compliant with applicable standards. Build: Metallic body with powder coating, approximate dimensions 280 mm \times 180 mm \times 140 mm (W \times H \times D). Weight: Approximately 3.5 kg. Power Source: AC 220 V $\pm 10\%$, 50/60 Hz. Accessories: Includes soldering iron with needle bit, hot air blower with 3 nozzles, iron stand with sponge, hot air cradle, patch cord, and power cord. Operating Temperature: Suitable for ambient temperature approximately 0 °C to 40 °C</p>	1
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27	Hand Drill Machine	Branded Company Product with at least three years product warranty	Rated Input Power: Approximately 500 W or above maximum power consumption. Bit Holder: Standard 1/2"-20 UNF thread type. No-Load Speed (1st Gear): Adjustable from 0 up to approximately 3,000 rpm. Power Output: Approximately 300 W continuous output power. Weight: Approximately 1.7 kg total device weight. Impact Rate at No-Load Speed: Variable from 0 up to approximately 48,000 bpm. Rated Torque: Approximately 1.4 Nm maximum torque output. Drill Spindle Connecting Thread: Standard 1/2"-20 UNF thread. Chuck Capacity (Min/Max): Approximately 1.5 mm minimum to 13 mm maximum.	2
28	Cordless drill	Branded Company Product with at	Torque (soft/hard/max.): Min 21/50/- Nm No-load speed (1st gear / 2nd gear): Min 0 – 500 / 0 – 1,900 rpm	2

		least three years product warranty	Weight incl. battery: 1.3 kg or less Max. impact rate: 27,000 bpm Battery type: Lithium-Ion or equivalent Chuck capacity, min./max.: 1.5 / 13 mm Weight excl. battery: 0.99 kg Torque settings: 20+2 or better	
29	Jig Saw	Branded Company Product with at least three years product warranty	Rated Input Power: Approximately 500 W maximum power consumption. Voltage, Electrical: Nominal 230 V AC supply. Saw Stroke Length: Approximately 20 mm stroke length. Stroke Rate at No Load: Adjustable within approximately 800 to 3,100 spm (strokes per minute). Weight: Approximately 2.08 kg total weight. Bevel Angle: Adjustable within approximately -45° to 45° range.	1

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30	Miter Saw	Branded Company Product with at least three years product warranty	<p>Rated Input Power: Approximately 1,750 W maximum power consumption.</p> <p>Saw Blade Diameter: Approximately 254 mm nominal diameter.</p> <p>Mitre Setting: Adjustable up to approximately 47° left and 52° right.</p> <p>Bevel Setting: Adjustable up to approximately 45° left and 0° right.</p> <p>Saw Blade Bore Diameter: Approximately 25.4 mm standard bore.</p> <p>Cutting Capacity at 0°: Approximately 90 mm × 130 mm maximum cross-section.</p> <p>Cutting Capacity at 45° Mitre: Approximately 90 mm × 91 mm maximum cross-section.</p> <p>Cutting Capacity at 45° Bevel: Approximately 60 mm × 130 mm maximum cross-section.</p> <p>Tool Dimensions (W×L×H): Approximately 477 mm × 559 mm × 567 mm.</p> <p>No-Load Speed: Fixed at approximately 5,000 rpm.</p> <p>Weight: Approximately 11.1 kg.</p>	1
31	Hot air gun	Branded Company Product with at least three years product warranty	<p>Rated Input Power: Approximately 1,800 W maximum power consumption.</p> <p>Voltage, Electrical: Nominal 230 V AC supply.</p> <p>Weight: Approximately 0.75 kg.</p> <p>Working Temperature Range: Adjustable within approximately 60 °C to 550 °C.</p> <p>Heat-Up Time: Approximately 1 second to reach target temperature.</p> <p>Airflow: Adjustable within approximately 350 to 550 liters per minute.</p> <p>Airflow Control: Three selectable airflow settings.</p>	2

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32	Table saw	Branded Company Product with at least three years product warranty	Rated input power: Max 1800 W Incline setting: 45 ° L / 0 ° R Table size: Up to 555 x 555 mm Saw blade diameter: 254 mm Cutting height 90°: 80 mm Cutting height 45°: 55 mm Saw blade bore diameter: 30 mm Weight 24.4 kg or less Max. cutting capacity on the right: 545 mm No-load speed: 4300 rpm Cutting height 90°: 80 mm Cutting height 45°: 55 mm	1
33	Bench grinder	Branded Company Product with at least three years product warranty	Grinding wheel diameter: min 150 mm Rated input power: 350 W or more Grinding wheel widths: 20 mm or more No-load speed: upto 3,000 rpm Grinding wheel bore: 20 mm/2cm Grit 24, 60 or more Weight: 10 kg or less	1
34	Angle Grinder	Branded Company Product with at least three years product warranty	Rated Input Power: Approximately 670 W maximum power consumption. No-Load Speed: Approximately 11,000 rpm. Disc Diameter: Approximately 100 mm nominal diameter. Grinding Spindle Thread: Standard M10 thread. Weight: Approximately 1.5 kg. Switch: Lockable switch for operational safety.	1
35	Straight Grinder	Branded Company Product with at least three years product warranty	Rated Input Power: Max 300 W power consumption. No-Load Speed: Up to 28,000 rpm. Voltage, Electrical: Nominal 230 V AC supply. Spindle Collar Diameter: Approximately 41 mm. Weight: Around 1.4 kg. Maximum Grinding Tool Diameter: Up to 25 mm. Maximum Collet Diameter: Up to 8 mm. Switch: Lockable switch for enhanced safety.	1

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36	Circular Saw	Branded Company Product with at least three years product warranty	Rated Input Power: Approximately 1,400 W maximum consumption. Saw Blade Diameter: Nominal 184 mm diameter. Saw Blade Bore Diameter: About 20 mm standard bore size. Guide Rail Compatibility: Not compatible with guide rails. No-Load Speed: Typically 5,200 rpm. Weight: Around 4.1 kg	1
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37	Blower	Branded Company Product with at least three years product warranty	Rated Input Power: Max 650 W power consumption. Weight: Approximately 1.7 kg. Voltage, Electrical: Nominal 230 V AC supply. Sound Pressure Level: Around 103 dB(A). Sound Power Level: Approximately 95 dB(A). Uncertainty (K): Within ± 3 dB	1
38	Cordless Screw Driver	Branded Company Product with at least three years product warranty	Battery Capacity: Around 1.5 Ah nominal capacity. Torque (Soft/Hard/Max): Approximately 14 Nm / 30 Nm / Maximum not specified. No-Load Speed (1st Gear / 2nd Gear): Ranges from 0 up to 400 rpm and 0 up to 1,500 rpm respectively. Battery Type: Rechargeable Lithium-Ion battery. Chuck Capacity (Min/Max): From approximately 0.8 mm up to 10 mm. Weight (Excluding Battery): About 0.8 kg. Torque Settings: 20 plus 1 adjustable settings.	1

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39	Vacuum Cleaner	Branded Company Product with at least three years product warranty	Rated Input Power: Approximately 1,100 W maximum power consumption. Weight: Around 6 kg total weight. Container Volume (Net): Approximately 10 liters capacity. Voltage, Electrical: Nominal 230 V AC supply. Container Volume (Gross): Approximately 15 liters total volume. Container Volume (Net, Water): About 8 liters capacity for water. Filter Surface Area: Around 2,300 cm ² effective filtration area. Airflow Rate (Turbine): Approximately 53 liters per second. Vacuum Pressure (Turbine): Up to 270 mbar vacuum pressure. Number of Wheels: Four wheels for mobility.	1
40	Random orbit sander	Branded Company Product with at least three years product warranty	Rated Input Power: Up to 280 W maximum consumption. Sanding Pad Diameter: Nominal 125 mm diameter. Orbit Diameter: Approximately 2.6 mm orbital diameter. Weight: Around 1.4 kg. No-Load Speed: Adjustable within 7,500 to 12,000 rpm range. Orbital Stroke Rate: Between 15,000 and 24,000 orbits per minute (opm). Eccentricity: Approximately 1.3 mm.	1
41	Planer	Branded Company Product with at least three years product warranty	Rated Input Power: Not exceeding 710 W under nominal operating conditions. Planing Width: Approximately 82 mm effective width capacity. Planing Depth: Within the range of up to 2.6 mm maximum depth per pass. Weight: Circa 2.8 kg total unit mass. Adjustable Rebating Depth: Maximum adjustable depth of approximately 9 mm. No-Load Speed: Operating speed typically around 18,000 rpm.	1

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42	Cordless Vacuum Cleaner with Starter kit	Branded Company Product with at least three years product warranty	Battery Voltage: Rated at approximately 18.0 V nominal voltage. Weight Excluding Battery: Around 1.3 kg without battery attached. Container Volume: Approximately 0.7 liters net capacity. Filter Surface Area: Roughly 55 cm ² filtration surface. Maximum Airflow Rate (Turbine): Up to 10 liters per second. Maximum Vacuum Pressure (Turbine): Not exceeding 60 mbar under standard conditions. Operating Time (18 V Battery): Typically 7 minutes per Ah of battery capacity.	1
43	Rotary Tool Kit	Branded Company Product with at least three years product warranty	Rated Power Input: Approximately 175 W within nominal voltage range. Voltage: Operates within 220 to 240 V AC supply. Weight: Around 0.66 kg total mass. Length: Approximately 24 cm overall length. Width: About 4.1 cm nominal width. Depth: Roughly 4.3 cm depth dimension. No-Load Speed: Variable speed ranging from 5,000 up to 35,000 rpm. Battery Technology: Not applicable (n.a.). Speed Setting: Fully variable speed control as required. Accessory Quick Change System: Equipped with multi chuck for rapid accessory interchange. Vibration Level: Approximately 18 m/s ² measured vibration	2
44	Rubber Grip Hacksaw	Very Good Quality	Depth of Throat: Approximately 98 mm (3.85 inches) nominal depth. Blade Length: Around 254 mm (10 inches) standard length.	2
45	Hacksaw Mini	Very Good Quality	Blade Length: Approximately 10 inches nominal length. Handle Material: Constructed from metal as	2

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			standard. Overall Length: Around 11 inches total length.	
46	Claw Hammer Steel Shaft	Very Good Quality	Weight: Approximately 8 oz (220 grams) nominal weight. Dimensions: Around 27.8 cm × 12.4 cm × 3.6 cm (L × W × H) overall size	2
47	Ball Pein Hammer	Very Good Quality	Weight: Approximately 110 grams nominal weight. Dimensions: Around 32.6 cm × 10 cm × 2 cm (L × W × H) overall measurements.	2
48	Rubber mallet	Very Good Quality	Weight: Approximately 450 grams nominal weight. Dimensions: Around 33.6 cm × 9.6 cm × 6.2 cm (L × W × H) overall size.	2
49	Ring spanner set 12Pcs	Very Good Quality	Weight: 3.08 Kg nominal weight. Quantity: 12 pcs per set. Size: 6 mm to 32 mm overall range.	1
50	Open end spanner set 12Pcs	Very Good Quality	Weight: Approx 1.74Kg nom.wt. Qty: 12pcs/set. Size: 6mm-32mm overall dims.	1
51	Combination Spanner set 8Pcs	Very Good Quality	Weight: Approx 649g nom.wt. Qty: 8pcs/set.	1
52	Allen key set 10pcs	Very Good Quality	Hex Key Size: 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8, 10mm; Qty: 10pcs/set	2
53	Allen key set 12pcs	Very Good Quality	Ball Key Size: 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", >5/32", 3/16", 7/32", 1/4", 5/16", 3/8" Qty: 12pcs/set	2
54	Combination plier	Very Good Quality	Weight: Approx 422g nom.wt. Size: 8"/200mm nominal	2
55	Long nose plier	Very Good Quality	Weight: Approx 399g nom.wt. Size: 180mm/6" nominal	2
56	Circlip straight 5"	Very Good Quality	Weight: Approx 399g nom.wt. Size: 130mm/5" nominal	2

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57	Circlip bent	Very Good Quality	"Weight: Approx399g nom.wt. Size:130mm/5"" nominal"	2
58	Diagonal Cutter	Very Good Quality	"Weight: Approx239g nom.wt. Size:180mm nominal"	2
59	Wire Stripper	Very Good Quality	Weight: Approx281g nom.wt. Size:130mm nominal	2

60	Adjustable spanner	Very Good Quality	Size: Upto 150 mm	2
61	Pipe wrench	Very Good Quality	Size: Max 300 mm	2
62	C – clamp	Very Good Quality	Size: Upto 75 mm	4
63	C-clamp	Very Good Quality	Size: Upto 150 mm	4
64	Snap- off Knife	Very Good Quality	Size:18 mmm	2
65	16pcs screw driver set	Very Good Quality	Pieces Per Set: 16 pcs	1
66	6pcs precision screw driver set	Very Good Quality	Pieces Per Set: 16 pcs	2
67	Max steel snip cutter	Very Good Quality	Length: 250 mm	2
68	PVC Pipe cutter	Very Good Quality	Length: 42 mm	2
69	Hot Glue Gun	Very Good Quality	Power: 40 W	4
70	Small file set	Very Good Quality	Length: 160 mm	2

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71	Big file set	Very Good Quality	Length: 200 mm	2
72	Chisel set	Very Good Quality	Weight: 340 gm	2
73	Punch set	Very Good Quality	Weight: 390 gm	2
74	Bench wise	Very Good Quality	Base Type: Fixed Size: 2-3 1/2" nominal Jaw Width: 60mm	2
75	Router Bit Starter Kit	Very Good Quality	Pieces Per Set: 15 pcs	1
76	Drill bit set	Very Good Quality	WAF(mm): 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13 Wt: ~1.3Kg nom.wt Sz(mm): 205×115×55 overall	2

77	Baby wise	Very Good Quality	Vice Type: Bench Size: 2" nominal Jaw Width: 50mm	2
78	Ratchet Set	Very Good Quality	Vice Type: Bench Sz: 2" nominal; Jaw: 50mm	2
79	Pegboard	Very Good Quality		5
80	Digital Vernier Caliper	Very Good Quality	Product Type: Digital Calliper Meas. Range: 0-150mm / 0-6" Resolution: 0.01mm	2
81	Micrometer	Very Good Quality	Resolution: 0.001mm/0.00005" Meas. Range: 0-25mm/0-1"	1
82	Steel Rule 300mm	Very Good Quality	Product Type: Steel Rule Scale Size: 12"/300mm Material: Stainless Steel	5
83	Steel Rule 600mm	Very Good Quality	Product Type: Steel Rule Scale Size: 24"/600mm Material: Stainless Steel	5

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84	Engineering Square	Very Good Quality	Size:150×80mm nominal Material: Carbon Steel	2
85	Meter Tape 30m	Very Good Quality	Length: 30 m	1
86	Measuring Tape 3M	Very Good Quality	Length: 3 m	3
87	Measuring Tape 5M	Very Good Quality	Length: 5 m	3
88	Spirit Level	Very Good Quality	Vials:3 Accuracy:0.5mm/m Length:300mm Product Type: Level	3
89	Goggle	Very Good Quality	Goggle – Industrial Standard Make	5
90	Apron	Very Good Quality	Apron - Standard Make	5
91	Ear Muff	Very Good Quality	Earmuff – Industrial Standard Make	5
92	Mask	Very Good Quality	Mask – Industrial Standard Make	50
93	Fire Extinguisher	Very Good Quality	Fire Extinguisher– Industrial Standard Make	6
94	First Aid Kit	Very Good Quality	First Aid Kit – Industrial Standard Make	2
95	Gloves Pair	Very Good Quality	Gloves – Industrial Standard Make	10

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96	Normal Oven	Branded Company Product with at least three years product warranty	Oven Cap: 20L or more Type: Solo Door: Side Swing Child Lock: Yes Completion Beeper: Yes Power Levels: upto 5 Control: Membrane Type Cavity Mat: Anti-Bacterial Dims(mm):455×252×320 PowerOut:700W or less	1
97	Refrigerator	Branded Company Product with at least three years product warranty	Capacity:183L or more AnnualEnergyConsumption:148kWh/Year or less RefrigeratorFreshFoodCapacity:165L or more Freezer Capacity: min 18L BottleCount:5 or more NoiseLevel:40dB or less Installation Type: Freestanding	1

98	3D printer Filament	Very Good Quality	Weight Kg: 1 Approx Melt Flow Index: 2 (190°C/2.16kg) Nominal FilamentLength:330mApprox Dim Accuracy: +/-0.1mmApprox Roundness Accuracy: +/-0.5mmApprox SpoolInnerDia:55mmNominal SpoolOuterDia:200mmApprox SpoolWeight:300gNominal SpoolWidth:65mmApprox	10
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99	Acrylic Sheet 3mm, 4ft x 4ft	Very Good Quality		20
100	Acrylic Sheet 4mm, 4ft x 4ft	Very Good Quality		20
101	Acrylic Sheet 5mm, 4ft x 4ft	Very Good Quality		20
102	Foam Sheet 8mm, 4ft x 4ft	Very Good Quality		2

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103	Foam Sheet 10mm, 4ft x 4ft	Very Good Quality		1
104	Foam Sheet 12mm, 4ft x 4ft	Very Good Quality		1
105	Foam Sheet 15mm, 4ft x 4ft	Very Good Quality		1
106	Ply Board 5mm, 2ft x 4ft	Very Good Quality		12
107	Nylon Rod 10mm, 1m	Very Good Quality		5
108	Nuts (3mm,4mm,5m m, 6mm,8mm,10m m, 12mm) Pack of 100	Very Good Quality		1
109	Bolts (3mm,4mm,5m m, 6mm,8mm,10m m, 12mm) dia 1” Inch Pack of 100	Very Good Quality		1
110	Screws (3mm,4mm,5m m) Pack of 100	Very Good Quality		1
111	Washers (3mm,4mm,5m m, 6mm,8mm,10m m, 12mm) Pack of 100	Very Good Quality		1

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112	Studs (6mm,8mm) 1 Meter	Very Good Quality		2
113	Nails (1",2",3",1.5",5") Pack of 100	Very Good Quality		1
114	Fevicol 2Kg	Very Good Quality		1
115	2 Way Tape	Very Good Quality		10
116	PVC Pipe .75",10ft	Very Good Quality		10
117	PVC Pipe 1",10ft	Very Good Quality		10
118	PVC Pipe 1.5",10ft	Very Good Quality		10
119	PVC Pipe 2.0",10ft	Very Good Quality		10
120	Aluminium channels (L, C, Box, strip length 12ft)	Very Good Quality		2
121	PCB Drill Bit 0.4mm	Very Good Quality		10
122	PCB Drill Bit 0.8mm	Very Good Quality		10
123	PCB Drill Bit 1mm	Very Good Quality		10
124	Drill Bit 4mm	Very Good Quality		10
125	Drill Bit 5mm	Very Good		10

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		Quality		
126	Drill Bit 6mm	Very Good Quality		10
127	Arduino UNO R3	Very Good Quality		5
128	Arduino NANO	Very Good Quality		5

129	Arduino Mega	Very Good Quality		3
129	Raspberry Pi Model 4B, 4GB	Very Good Quality		3
130	ESP8266 NodeMCU	Very Good Quality		2
131	ESP32 Development Board	Very Good Quality		2
132	Beaglebone blu	Very Good Quality		1
133	Beaglebone Black	Very Good Quality		1
134	Voltage Regulator Module	Very Good Quality		2
135	Mini Micro submersible Water Pump	Very Good Quality		2
136	Piezoelectric Plate	Very Good Quality		2
137	8*8 LED Matrix Module	Very Good Quality		2

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138	Bluetooth	Very Good Quality		2
139	7 Segment LED Display	Very Good Quality		2
140	GSM/GPRS/GPS Module	Very Good Quality		2
141	Laser Module	Very Good Quality		2
142	LDR Module	Very Good Quality		2
143	4×4 Matrix Keypad	Very Good Quality		2
144	Joy Stick Module	Very Good Quality		2

145	Active Buzzer (BIG)	Very Good Quality		2
146	Active Buzzer (SMALL)	Very Good Quality		2
147	Motor Driver	Very Good Quality		2
148	Sound Playback Module	Very Good Quality		2
149	BO Motors	Very Good Quality		10
150	Vibrating Motor	Very Good Quality		10
151	Capacitive Touch Switch	Very Good Quality		2

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152	IR Sensors (Obstacle Sensors)	Very Good Quality		2
153	Triple Axis Magnetometer	Very Good Quality		2
154	Humidity Sensor	Very Good Quality		2
155	MQ-2	Very Good Quality		2
156	MQ-3	Very Good Quality		2
157	MQ-4	Very Good Quality		2
158	MQ-5	Very Good Quality		2
159	MQ-7	Very Good Quality		2
160	Ultrasonic Sensor Module	Very Good Quality		2
161	Triple Axis accelerometer	Very Good Quality		2

162	PIR Motion Detector Module	Very Good Quality		2
163	Pulse Rate Heart Sensor	Very Good Quality		2
164	Relay Module	Very Good Quality		2

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165	Soil Moisture Sensor	Very Good Quality		2
166	Touch Sensor	Very Good Quality		2
167	Rain Drop Sensor	Very Good Quality		2
168	Flex Sensor	Very Good Quality		2
169	Temperature Sensor	Very Good Quality		2
170	Force Pressure Sensor	Very Good Quality		2
171	Colour Recognition Sensor	Very Good Quality		2
172	Water Flow Sensor	Very Good Quality		2
173	Sound Sensor	Very Good Quality		2
174	IR Sensor Array for Line Following	Very Good Quality		2
175	RFID Reader-Tags	Very Good Quality		2
176	RF Modules Tx& Rx 315 MHz ASK	Very Good Quality		2
177	Stepper motor with Driver Board	Very Good Quality		2
178	Servo Motor 360	Very Good Quality		10

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179	Servo Motor 180 rotation	Very Good Quality		10
180	Metal Gear Servo Motor (180° Rotation)	Very Good Quality		10
181	Solder Wire 100gm	Very Good Quality		10
182	Solder Flux	Very Good Quality		10
183	830 Points Solderless Breadboard	Very Good Quality		5
184	400 Points Solderless Breadboard	Very Good Quality		5
185	Copper Clad Board single side	Very Good Quality		10
186	Copper clad board double side	Very Good Quality		10
187	Male to Male Breadboard Jumper	Very Good Quality		10
188	Female to Female Breadboard Jumper	Very Good Quality		10
189	Male to Female Breadboard Jumper	Very Good Quality		10