

## NATIONAL INSTITUTE OF TECHNOLOGY GOA

Farmagudi Ponda Goa 403401  
Phone: (0832) 2404206: Fax: (0832) 2404202

### NOTICE INVITING QUOTATION

No: NITGOA/MECH/PUR/2023-24/OW/ 304  
Dated: 08/08/2023

### NAME OF PROCUREMENT

1. Stationary and Computer Consumables
2. Consumables

**NATIONAL INSTITUTE OF TECHNOLOGY GOA**  
Farmagudi Ponda Goa 403401  
Phone : (0832) 2404206, 2404205 : : Fax : (0832) 2404202

To .....  
Shri/M/s.....  
Address.....  
.....  
.....

Name of the procurement: **1. Stationary and Computer Consumables**  
**2. Consumables**

No NITGOA/MECH/PUR/2023-24/OW/304  
Dated: 08 /08 /2023,

Dear Sir,

A Detailed notice inviting Quotation incorporating the technical specification as well Instructions and Conditions are enclosed herewith.

You are requested to submit your sealed quotation with all relevant documents latest by **01.00 PM on or before 23/08/2023**.

Yours faithfully,

*[Signature]*

Registrar

**National Institute of Technology Goa**

National Institute of Technology Goa  
Farmagudi, Ponda-Goa 403 401

*[Signature]*  
National Institute of Technology Goa  
Farmagudi, Ponda-Goa 403 401

**NATIONAL INSTITUTE OF TECHNOLOGY GOA**  
**Farmagudi Ponda-Goa 403401**  
Phone: (0832) 2404206 Fax: (0832) 2404202

**NOTICE INVITING QUOTATION**

Ref: NITGOA/MECH/PUR/2023-24/OW/304 Dated: 08-08-2023

Sealed Quotations are invited from Bidders for “**Procurement of**

- 1. Stationary and Computer Consumables**
- 2. Consumables**

Quotations will be received up to **01.00 PM on or before 23/08/2023** and will be opened on the same day at **02.00 PM**, if intending quotationeres want to participate during quotation opening they can do the same or send their representative for the same with a proper authorization letter. In case, the day of submission of the quotation happens to be a holiday on account of Govt. notification or weekends and quotation cannot be received or opened, the quotations shall be received on the next working day at **01.00 P.M. and will be opened on same day at 02.00 P.M.** for which no separate communications will be made. Other terms and conditions are enclosed.

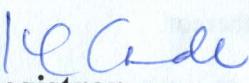
Last date and time for submission: **Upto 01.00 P.M. on or before 23/08/2023**.

Quotation Opening Date and time: **At 02.00 P.M. on 23/08/2023**.

Application for Quotation Document must be accompanied by filled in PFMS Form. Quotation Notice can be downloaded from the Tender section of website [www.nitgoa.ac.in](http://www.nitgoa.ac.in) or it can be downloaded from <https://eprocure.gov.in/epublish/app>

**There is no download fee/EMD for the same.**

Director NIT GOA has the right to reject any or all the quotations received without assigning any reason thereof.

  
**Registrar**

**National Institute of Technology Goa**

**National Institute of Technology Goa**  
**Farmagudi, Ponda-Goa 403 401**

**Instructions to bidders:**

1. The bidders should submit the quotation along with mandatory documents to Inward section NIT GOA (Administration office, Main Building) and the envelope should be superscribed as Quotation Enquiry No. NITGOA/CSE/PUR/2023-24/OW/ 304 dated 08/08/2023 for **procurement of 1. Stationary and Computer Consumables and 2. Consumables.**
2. The quotation should be addressed to "**The Director, NIT Goa Farmagudi Ponda Goa 403401**".
3. The rates should be quoted both in figures and words and legibly written without any overwritings. In case of any correction, the same must be attested by the bidder with a full signature.
4. In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
5. The last date for receipt of the quotation is marked in the inquiry. In case the above date is declared a holiday for NIT Goa, and the bids will be received up to the appointed time on the next working day.
6. The quotation may be sent by post, to reach the office NIT Goa before the last date of receipt, or be submitted in the office of the normal working hours of the Institute. (**09.00 A.M. to 05.30 P.M.**)
7. Intending quotationeres requires any clarification regarding the notice inviting quotation, he may mail to [prasenjit.dey@nitgoa.ac.in](mailto:prasenjit.dey@nitgoa.ac.in) at least **02 days** before the last date quotation submission time.
8. Quotation submitted after the last submission date will not be accepted and his quotation will be treated as non-responsive.
9. Intending quotationeres shall submit only one quotation. A quotationeres, who submits more than one quotation, shall be disqualified and considered non-responsive.
10. The quotation shall be opened by the committee in the NIT GOA at the date and time given on the top of the document. The quotationeres may send their authorized representatives to attend the quotation opening with proper authorization letter if they so desire. In the event of the above quotation opening date being declared a holiday for the NIT Goa, then the bids will be opened at the appointed time and place on the next working day.
11. **The quotationeres have to put a seal and sign in full at all pages of the quotation notice including all annexures and price bid failing which the bidder will be disqualified.**
12. Director NIT GOA has the right to reject any or all the quotations received without assigning any reason thereof.
13. If the offered item covers the warranty period it has to be mentioned by quotationere in the quotation. (Certificate should be provided). Failing to provide the Product service during the warranty period will entitle the firm/proprietor debarment from NIT Goa Procurement.

**Conditions of the participation in quotation:**

1. The rates quoted should preferably be net, inclusive of all taxes and duties, packing, forwarding, freight, Insurance, training cum demo charges (if any), and all other incidental charges mentioned separately.
2. **The goods have to be supplied within 21 days from the date of receipt of the purchase order either by mail or post whichever is earlier.**
3. If insisted, samples shall be provided by the supplier at the entire cost and risk of the supplier. The installation of the equipment and training cum demo should be provided (if required)
4. The bid should remain valid for **45 days** from the date of opening.
5. Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
6. The goods offered should strictly conform to the specification and technical details mentioned in technical specification by NIT GOA.
7. Any Liability regarding GST will be of the supplier of products. Also, any obligations regarding Indian Acts will be the responsibility of the supplier of products only.
8. If the successful bidder, on receipt of the supply order, fails to execute the order within the stipulated period, in full or part, it will be open to the Director, NIT Goa to recover liquidated damage from the firm at the rate of 0.5 percent of the value of undelivered goods per week or part thereof, subject to a maximum of 10 percent of the value of undelivered goods beyond the due date for delivery. Alternatively, it will also be opened to the Director NIT GOA to accept the part supply by the contractor and arrange to procure remaining items from other modes as per GFR 2017 Rules.
9. Payment (As per goods supplied, after deduction (if any)) will be made by Wire transfer within 30 days from the installation (if any) or receipt of the goods in good condition or receipt of the bill, commissioning of the equipment, where applicable, whichever is later/latest.
10. In the event of any dispute arising out of the quotations or from the resultant contract, the decision of the Director, NIT Goa shall be final.
11. Any disputes arising out of this inquiry shall be dealt with in the Goa jurisdiction only.

**12. Criteria for Evaluation of Lowest Quotation:-**

- a) The bidder has to quote for all the items mentioned in the price bid. Failing to quote for one or more than one item will result in the disqualification of the quotation. (Quotation to be submitted on the firm letterhead mentioning GST No., PAN no. of Firm/Proprietor.)
- b) Signed and stamped copy of the entire quotation notice along with a copy of GST Registration Certificate and PAN card to be submitted by the bidder.
- c) After fulfilling the criteria mentioned at point 12 (a-b) those quotation which are lowest in Total (of all items) will be awarded the order.

### ***Documents required for bill processing:-***

1. Filled and duly signed Bidder information sheet
  2. Filled and duly signed PFMS Mandate Form

*Heade*  
**Registrar  
NIT GOA**

National Institute of Technology Goa  
Farmagudi, Ponda-Goa 403 401

Date:

### Price Bid

#### Monitor -1 No

Sr. No.	Description	Unit	Quantity	Total in Rs.
<b><u>Consumable Items</u></b>				
1	Conductive - non-conductive Insulator Tape of different diameter	3	Nos.	
2	Koptan Tape Tape Width 11 mm	1	No.	
3	Koptan Tape Tape Width 50 mm	1	No	
4	Insulator Ring	45	Nos.	
5	XT90 Male-Female Connector pair with Housing	1	Pair	
6	BMS 7s 20A with Connector	1	No.	
7	Brushless Controller	1	No.	
8	AC to DC Connector	2	Nos.	
9	DC-DC Linear Regulator	1	No.	
10	DC-DC Linear Regulator	1	No.	
11	3D printer filament White	2	Nos.	
12	3D printer filament Black	2	Nos.	
13	Nickel Strips	150	Pieces	
14	Battery Cells	40	Nos.	
15	Spacers	80	Nos.	
16	Electric Motor – DC Motor	1	No.	
17	Electric Motor – DC Motor	2	Nos.	
18	Wire	1	No.	
19	Switches	10	Pieces	
20	Thermal Paste	40	Gram	
21	Heat Sink Sleeves 1 mm	2	Nos.	
22	Heat Sink Sleeves 2 mm	2	Nos.	
23	Heat Sink Sleeves 3mm	2	Nos.	
24	Heat Sink Sleeves 5mm	2	Nos.	
25	Heat Sink Sleeves 10 mm	2	Nos.	
26	Heat Sink Sleeves 30 mm	2	Nos.	
27	Rubber Spacer Washer - M10 x 20mm x 3mm	50	Pieces	
28	Rubber Spacer Washer - M5 x 20mm x 3mm	50	Pieces	
29	Flat Washer 4 mm	50	Pieces	

30	Flat Washer 5 mm	50	Pieces	
31	Anti-cut Safety Gloves	1	Pair	
32	Safety Goggles Hard Coat Eyewear	2	Nos.	
33	Industrial Genuine Leather with Fiber Glass Toe Safety Shoe	1	Pair	
34	Air Blower	2	Nos.	
35	Panel Board and Extension Board	1	No.	
36	Port Converters - Mini DP to HDMI VGA	1	No.	
37	Port Converters - HDMI to VGA	1	No.	
38	Aluminium Sheet 0.5 mm thickness	6	Nos.	
39	Aluminium Sheet 1 mm thickness	6	Nos.	
40	Aluminium Sheet 3 mm thickness	3	Nos.	
41	Rod - Tube Aluminum	2	Nos.	
42	Rod - Tube Mild Steel	4	Nos.	
43	Bearings	6	Nos.	
44	Metal Cutter	1	No.	
45	M3 x 8mm Bolt and Nut	25	Pieces	
46	M4 x 20mm Bolt and Nut	25	Pieces	
47	M5 x 8mm Bolt and Nut	25	Pieces	
48	M4 x 6mm Bolt and Nut	25	Pieces	
49	M2.5 x 10mm Bolt and Nut	25	Pieces	

#### Stationary and Computer Consumables

1	Printing Paper	1000	Sheets	
2	Pendrive	1	No.	
3	WiFi Adapter	1	No.	
4	Cable Tie	1	Packet	
5	Screw driver set	1	No.	
Total in Rs. (excluding taxes)				
Other charges (if any), please specify				
Taxes in Rs.				
Grand Total in Rs. (In figures)				
Grand Total (In words)				

### PFMS Mandate Form

Sr. No.	Details Required	Information
1	Name of Vendor/Supplier	
2	Date Of Birth / Date of Incorporation	
3	Father/Husband Name	
4	Aadhaar Number	
5	GST No	
6	PAN No	
7	Complete Address	
8	City	
9	Country	
10	State	
11	District	
12	PIN Code	
13	Mobile No.	
14	Telephone No.	
15	E Mail Address	
16	Account Holder Name	
17	Bank Name	
18	Bank (Branch)	
19	Bank Address	
20	Account No.	
21	IFSC Code	
22	Swift Code	

I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information I/we would not hold the user Institution responsible.

**Name:**  
**Stamp/Seal & Signature of Vendor/Supplier**

## Bidder Information Sheet

1	Company Name	
2	Company Registration Number	
3	Registered Address	
4	Name of Partners / Directors	
5	Bidder Type	
6	City	
7	State	
8	Postal Code	
9	PAN/TAN Number	
10	Company's Establishment Year	
11	Company's Nature of Business	
12	Company's Legal Status ( <i>Limited Company, Undertaking, Joint venture, Partnership and others</i> )	
13	Company Category ( <i>micro unit as per MSME, Small unit as per MSME, Medium unit as per MSME, Ancillary unit, Project Affected person of this company, SSI, Others</i> )	
14	Contact Person Name	
15	Date Of Birth (DD/MM/YYYY)	
16	Correspondence Email	
17	Designation	
18	Phone	
19	Mobile	

Note: If the information is not pertaining to the bidder, in third column he should specify as "Not Applicable" the information sheet should be sealed and signed.

## List of Consumable Items

### **1. Conductive/non-conductive Insulator Tape of different diameters**

Shrink Temperature (°C)	90
Operating Temperature (°C)	-40 to 125
Tensile Strength (MPa)	≥10.4
Shrink Ratio	2:1
Elongation Ratio	≥200%
Radial Shrinking Ratio	≥50%
Dielectric Strength	≥15 kV/mm
Corrosion of Bare Copper	No Corrosion
Heat Shock	No Cracking
Length(Meter)	2 Meter to 3 Meter
Diameter(mm)	300mm
Quantity	3 N

### **2. Koptan Tape**

Spindle Type	Roll
Material	Polyimide
Color	Metallic Brown
Temperature Range	200°C
Tape Length(m)	33
Tape Width (mm)	11 and 50
Weight (gm)	108
Quantity	1 N of each tape width

### **3. Insulator Ring**

Compatibility	18650/18500 lithium battery
Type	Single Cell
Outer Ring Diameter(mm)	17
Inner Ring Diameter(mm)	10
Thickness (mm)	0.25
Color	Dark Green
Quantity	45 Pcs

### **4. Different Connectors for the harvesting circuit**

#### **a. XT90 Male-Female Connector pair with Housing**

Rated Operating Voltage (VDC)	500
Contact Material	Brass
Current Handling Capacity (A)	90
Allowed Wire Size (AWG)	14 ~ 12
Contact Plating	Gold flash
Operating Temperature Range (°C)	-20 to 120
Flammability Rating	UL94V-0
Plug Type	5mm gold bullet connector in nylon shroud
Gender	Male-Female Pair
No. of Contact Points	2

Connector Type	XT90
Metal Connector Size (mm)	4.5
Color	Yellow

**b. BMS 7s 20A with Connector**

Supported battery type	7 cells 4.2V Lithium ion battery
Working current	20 A
Static power	<500uA
Over current threshold	30 A
Balancing the locus of control	4.18±0.03 V
Overcharge threshold	4.3±0.05 V
Overcharge time delay	75mS
Overcharge release	4.1±0.05 V
Discharge threshold	2.4±0.08 V
Discharge delay	5mS
Length (mm)	90
Width (mm)	46
Height (mm)	8
Quantity	1 N

**c. Brushless Controller**

Compatibility	Hub Motor 250W
Rated voltage(V)	24
Rated Power(W)	250
Current(A)	16±1A
Under Voltage	21±0.V
Length (mm)	90
Width (mm)	52
Height (mm)	30
Quantity	1 N

**d. AC to DC Connector**

Product name	AC to DC Connector
Protection	over-voltage over current circuit protection
AC input	AC 100-265 V (Global common)
AC frequency	50 HZ/60 HZ
Output voltage	DC 12 V
Output Current	2A
Modulation	Pulse width modulation
Quantity	2 N

**e. (i) Other connectors**

Product name	DC-DC Linear Regulator
Output Current	1.5A (Min.), 2.2A (Typical)
Input-Output Voltage Differential (VI-VO)	40Vdc (Max.)
Voltage Input	4.2~40V
Adjustable Output Voltage Range	1.2~37V
Operating Temperature	0~125 °C

Current Output	1.5A
Characteristic Frequency	100MHz
Input Method	VIN Input Positive Level, GND Input Negative
Output Method	VOUT Output Positive Level, GND Output Negative
Quantity	1 N

(ii)

Product name	DC-DC Linear Regulator
Input Voltage (V)	10 to 60VDC
Output Voltage(V)	12 ~ 83
Input Current (A)	20
Output Current (A)	12
Operating Temperature (°C)	-40 to 85
Efficiency	95%
Length (mm)	130
Width (mm)	52
Height (mm)	46
Quantity	1 N

### 3D printer filament

Material	PLA+
Filament Diameter (mm)	1.75
Filament Weight and Length	1 kg/ 330 Meters
Melt Flow Index (g/10min)	2(190°C/2.16kg)
Dimensional Accuracy (mm)	1.70 ± 0.1 mm
Roundness Accuracy (mm)	±0.5
Color	White and black
Spool Dimensions	Inner diameter: 55 mm Outer diameter: 200 mm Weight of spool 300 g Width: 65 mm
Quantity	2 N of each color; Total: 4 N

### Nickel Strips

Nickel content: 99.96%.
Dimensions: 100 x 4 x 0.1 mm.
High Tensile Tension.
Low Resistivity.
Useful for battery points welding.
Quantity 150 Pcs

### Battery Cells and spacers

#### a. Battery Cells

Product name	Battery cell
Model No.	ICR18650
Capacity (mAh)	2600
Charge Rate (C)	2

Discharge Rate	2C
Nominal Voltage (V)	3.7
Maximun Charge Voltage (V)	4.2
Maximum Discharge Current (A)	5.2
Chemistry	ICR
Length (mm)	65
Width (mm)	18
Height (mm)	18
Model No.	ICR18650
Quantity	40 N

### b. Spacers

Product name	Cell Spacers
Compatible Battery Size	18650
Material	ABS
Dimensions in mm (LxWxH)	20x20x8
Quantity	80 N

## Electric motor, wires, switches and Jumpers

### a. Electric Motor

Product name	DC Motor
Operating Power	120W
Operating Voltage (VDC)	12
Rated Current(A)	7
Rated Torque (Kg-Cm)	4.58
Gearbox	No
Efficiency	>72~75%
Rated Speed (RPM)	2650
Weight (Kg)	1.06
Dimensions (LxD)	120mm x 68mm
Cable Length (cm)	25
Quantity	N

### b. Electric Motor

Product name	DC Motor
Motor Type	DC Carbon Brush Motor
Gear Ratio	5.2 : 1
Operating Voltage (VDC)	12
Rated Current(A)	2.22
Rated Power (W)	26.79
Rated Base Motor RPM	6000
Rated Speed (RPM)	970
Rated Torque (N-cm)	14.5
Operating Temperature (°C)	-40 to 100
Opt. Relative Humidity(RH)	20% ~ 85%
Gear Material	Powder Metallurgy, Steel, POM
Housing Material	Metal
Motor Body Size (Diameter) (mm)	39
Motor Length (mm)	84

Shaft Diameter (mm)	8
Shaft Length (mm)	20
Shaft Type	D-type
Quantity	2 N

**c. Wire**

Product name	Insulated PVC Coated 30AWG Wire
Line Number	30AWG.
Cable Length	230 M
Temperature Rating	105° Celsius
Reel Size	7 x 3.3 cm
Material	Plastic, PVC, Tin Plated Copper
Diameter of Copper core	0.25mm
Outer diameter of single core wire	0.55mm
Quantity	1 N

**d. Switches**

Product name	3A 250V AC SPST ON-OFF Rocker Switch
Rating	Max 3A up to 250V AC
Switching Mode	ON-OFF
Structure	SPST
Panel Cut-Out	9 x 14 mm
Colour	Black
Material	Plastic & Metal
Switching Life	50000-100000 Cycles
Contact Resistance	$\leq 0.03\text{m}\Omega$
Insulation Resistance	$\geq 100\text{m}\Omega$
Withstand Voltage	1500Vac
Quantity	10 Pcs

**Thermal Paste and Heat Sink Sleeves**

**a. Thermal Paste**

Product name	Heat Sink Compound Thermal Silicone Conductive Grease Paste
Material	Graphite Thermal Grease
Thermal Conductivity	1.93 W/m-k~2.15 W/m-k
Electrical Conductivity	No
Operating Temperature	30~300 °C
Quantity	40 gm

**b. Heat Sink Sleeves**

Product name	Heat Sink Sleeves
Item Type	CB-HFT
Color	Black
Diameter (mm)	1 mm, 2 mm, 3 mm, 5 mm, 10 mm, and 30 mm
Length (mm)	3000
Shrink Temperature (°C)	90
Operating Temperature (°C)	-40 to 125
Tensile Strength (MPa)	$\geq 10.4$

Shrink Ratio	2:1
Elongation Ratio	$\geq 200\%$
Radial Shrinking Ratio	$\geq 50\%$
Dielectric Strength	$\geq 15 \text{ kV/mm}$
Corrosion of Bare Copper	No Corrosion
Heat Shock	No Cracking
Cold Bend	No Cracking
Flammability	VW-1
Concentricity	$\geq 65\%$
Quantity	2 N of each diameter

### Safety Gears

#### a. Anti-Cut Safety Gloves

Product name	Anti-Cut Safety Gloves
Material	Nylon
Brand	Oblivion
Size	Standard
Special Feature	Cut Resistant
Net Quantity	1 count
Recommended Uses For Product	Carving, Carpentry, Gardening
Reusability	Reusable
Age Range (Description)	Adult
Item Dimensions LxWxH	22 x 14 x 3 Centimeters
Closure Type	Pull On
Resistance	level 5 cut resistance
Quantity	1 Pairs

#### b. Safety Goggles Hard Coat Eyewear

Product name	Safety Goggles Hard Coat Eyewear
Colour	Transparent
Material	Plastic
Frame Material	Polycarbonate (PC)
Lens Colour	Clear
Size	Standard
Model Name	3M-1611
Style	Protection, Safety
Item Dimensions LxWxH	15 x 10 x 3 Centimeters
Quantity	2 N

#### c. Industrial Genuine Leather with Fiber Glass Toe Safety Shoe

Product name: Industrial Genuine Leather with Fiber Glass Toe Safety Shoe
Size: 8 UK
Sole: Polyurethane
Closure: Lace-Up
Fit Type: Regular
Shoe Width: Medium
UPPER : PU TEK Hexagonal Print + Genuine Helcore + Nubuck Leather upper
LINING : Breathable Drytex Lining
INSOCKS : POPCORN ANTISTATIC Comfortable, Antibacterial, Keep Foot Dry and Conditioned,

FIBER GLASS TOE : Ultra Light Weight, Non-Magnetic thermal insulating as per European standards provide plenty of toe room and ensures there is no discomfort or fatigue even after long hours of use. Tested for energy level upto 200 Joules EN 12568: 2010
ANTISTATIC : Shoe having electrical resistance between 100K Ohms to 1000 M Ohms
SOLE : Double Density PU Sole , Antiskid, Abrasion Resistant, Oil/Acid Resistant & Antistatic
Quantity: 1 pair

### Air blower

Product name	Air Blower
Power Source	Corded Electric
Voltage	230 Volts (AC) – 50 Hz
Form Factor	Handheld
Special Feature	Adjustable Speed
Included Components	Dust Bag
Rated Input Power	600 W
Rated no load speed	6000-14000 rpm
Blow rate	Minimum 2.7 m <sup>3</sup> /min
Quantity	2 N

### Panel Board and extension board

Product name	Extension board
Power Requirement	220 V
Maximum Spike Current	6 A and 16 A
No of socket	4 N of 6 A and 4 N of 16 A with individual switch
Body Material	Body Material
PVC	PVC
Socket Material	Socket Material
Protection	Main MCB with Fuse
Quantity	1 N

### Port converters

#### a. Mini DP to HDMI VGA

Product name	Mini DisplayPort Thunderbolt Port to HDMI DVI VGA
Connector Input Type	Mini DisplayPort Thunderbolt
Connector Output Type	VGA, DVI, HDMI
Connector Gender	Male-to-Female
Resolution	1080 P
Item Dimensions LxWxH	8 x 8 x 8 Centimeters
Quantity	1 N

#### b. HDMI to VGA

Product name	HDMI to VGA Adapter
Compatible Devices	Laptop, Monitor

Connector Type	VGA, HDMI
Connector Gender	Male-to-Female
Item Dimensions LxWxH	20 x 80 x 100 Millimeters
Finish Type	Gold Plated
Resolution	1080 P @ 60 Hz
Quantity	1 N

### Aluminium Sheet and Rod

#### a. Aluminium Sheet

Product name	Aluminium sheet
Thickness	0.5 mm, 1 mm, 3 mm
Sheet Dimension	1 m × 1m
Quantity	6 N of 0.5 mm thickness 6 N of 1 mm thickness 3 N of 3 mm thickness

#### b. Rod/Tube

Product name	Rod/ Tube
Material	Aluminium
Outer Diameter	10 – 15 mm
Thickness	1 mm to 3 mm
Length	2 m to 3 m
Quantity	2 N

#### c. Rod/Tube

Product name	Rod/Tube
Material	Mild Steel
Outer Diameter	5 to 6 mm
Thickness	1 mm to 2 mm
Length	1 m
Quantity	4 N

### Bearings

Product name	Bearing
Bore Type	Standard
Enclosure	Open
Cage Type	Standard
Radial clearance	Normal
Width	≥ 10 mm
Bore Diameter	12 mm to 15 mm
Outer Diameter	≥ 32 mm
Quantity	6 N

### Metal cutter

Product Name: Metal Cutter
Material: Chrome Vanadium Steel, Color: Multicolor

High leverage compound cutting action
Made from forged alloy steel. Bi-material handle for comfort and grip
Exceeds ANSI standards for cutting performance and durability
Double overwind spring for longer life
Ideal snips for cutting aluminum, vinyl siding, screening, cardboard, leather and copper
Quantity: 1 N

### Nuts and bolts of different sizes

#### a. M3 X 8mm Bolt and Nut

Product name	Nuts and bolts
Bolt Head Style	Round (Slotted)
Bolt Body Diameter	M3 (3.0 mm Diameter)
Length of Bolt (mm)	8
Material	Mild Steel
Nut Type	Hex
Bolt head style	Slotted and Round
Quantity	25 Pcs

#### b. M4 X 20mm Bolt and Nut

Product name	Nuts and bolts
Bolt Head Style	Round (Slotted)
Bolt Body Diameter	M4 (4.0 mm Diameter)
Length of Bolt (mm)	20
Material	Mild Steel
Nut Type	Hex
Bolt head style	Slotted and Round
Quantity	25 Pcs

#### c. M5 X 8mm Bolt and Nut

Product name	Nuts and bolts
Bolt Head Style	Round (Slotted)
Bolt Body Diameter	M5 (5.0 mm Diameter)
Length of Bolt (mm)	8
Material	Mild Steel
Nut Type	Hex
Bolt head style	Slotted and Round
Quantity	25 Pcs

#### d. M4 X 6mm Bolt and Nut

Product name	Nuts and bolts
Bolt Head Style	Round (Slotted)
Bolt Body Diameter	M4 (4.0 mm Diameter)
Length of Bolt (mm)	6
Material	Mild Steel
Nut Type	Hex
Bolt head style	Round (Allen)
Quantity	25 Pcs

#### e. M2.5 X 10mm Bolt and Nut

Product name	Nuts and bolts
Bolt Head Style	Round (Slotted)
Bolt Body Diameter	M2.5 (2.5 mm Diameter)
Length of Bolt (mm)	10
Material	Mild Steel
Nut Type	Hex
Bolt head style	Round (Allen)
Quantity	25 Pcs

### **Stationary and Computer Consumables**

#### **Printer Paper**

Conformity to Indian Standard IS 12766: Latest for Computer Paper	Yes
Computer Paper	Carbonless
Size	A4
GSM (GSM)	70
Number of Sheets/Sets	1P per 1000 sheets (accounting unit: 1000 sheets)

#### **Pendrive**

Product name	Pendrive
Storage Capacity	64 GB
Read Speed Minimum (MB/sec)	100
Write Speed Minimum (MB/sec)	100
Interface	USB 3.1
OS Supported	Windows, Linux, Android, MacOS
Auto Detection facility	Yes
LED Indicator	No
Colour	Black
Body material	Plastic
Design & Shape	With Cap
Dimension (LxBxH) : (mm x mm x mm)	11 x 22 x 07
Weight (Grams)	15
Warranty (Year)	4
Quantity	1 N

#### **Wi-fi Adapter**

Product name	Wi-fi Adapter
Operating System	Windows10 ; Windows XP;Linux ;Mac OS X 10. 9 Mavericks
Processor Count	1
Hardware Interface	USB
Compatible Devices	Desktop
Mounting Hardware	150Mbps wireless N Nano USB adapter TL-WN725N ,Resource CD and Quick Installation Guide
Colour Screen	No
Voltage	240Volts

Wattage	150
Batteries Included	No
Batteries Required	No
Data Transfer Rate	150Megabits Per Second
Wireless Type	802.11b
Data Link Protocol	USB
GSM frequencies	2. 48GHz
Number of Ports	1
Total USB ports	1
Quantity	1 N

### Cable Tie

Product name	Cable Tie
Lock type	Cut to open
Color	white
Thickness	2.5 millimeter
Length(centimeter)	100 millimeter
Material	Nylon 66
Warranty	1 year
Self locking	Yes
Toothed strip	Yes
one-way ratcheting hole at one end	Yes
Pack size	100
Quantity	1 packet

### Screw driver set

Product name	Screw driver set
Maximum Torque in hard settings in Nm	14
Number of Torque settings	10
Maximum Torque in soft settings in Nm	6
Variable speed	Yes
No-load speed in rpm(with tolerance of +/- 25 rpm)	400
Forward and Reverse feature	No
Adjustable Clutch	No
Handle type	Pivot
Type of Brake	NA
Trigger Lock	No
Spindle lock mechanism	No
Chuck size in Inches	1/2"
Type of Battery	Lithium-Ion
Battery Voltage in volts	12
Battery Capacity in ampere hr	2
Charging time in min	60
Battery protection for overload and overheating	No
Whether screwdriver bit supplied	No
No of Screwdriver bit supplied	6 or more
Details of screwdriver bit supplied	NA

HSS Drill bit supplies	No
No of HSS Drill bit supplied (if not supplied put NA)	NA
Magnetic Bit holder	Yes
Brushless Motor	No
LED Light available for working in dark	No
Soft rubber grip for fatigue free use	No
Warranty in years	1
Weight of the Cordless screwdriver in gms (including battery)	1
Length of cordless screwdriver in mm	650
Height of cordless screwdriver in mm	650
Carry case supplies	Yes
No of spare batteries supplied	1
Quantity	1 N

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