

Tender No.UHF/DR/VIII-51/2021/-2238
Dated 07.07.2025.

e-tender document

e-tender for
Supplying, installation, testing and Commissioning of Herbs
Processing Line

Tender Last Date: 22.07.2025



Directorate of Research
Dr YS Parmar University of Horticulture and Forestry
Nauni-Solan (HP) 173230

PREFACE

Sealed e-tender are invited by the Director of Research, Dr YS Parmar University of Horticulture and Forestry, Nauni-Solan under Two Bid System i.e. Technical Bid and Financial Bid from reputed, experienced and financially sound Companies/Firms/Agencies for **Supplying, installation, testing and Commissioning of Herbs Processing Line** .

- **NAME AND ADDRESS OF THE AUTHORITY**

The Director of Research
Dr YS Parmar University of Horticulture and Forestry
Nauni-Solan (HP) 173230

- **ADDRESS FOR DOWNLOADING TENDER DOCUMENT:**

<https://hptenders.gov.in>

- **CONTACT PERSON FOR ANY QUERIES RELATED TO TENDER**

Dr Yash Pal Sharma, Professor & Head, Deptt. of Forest Product, UHF Nauni, Solan
(Cell No. 94181-48114).

- **BRIEF DETAIL OF THE e-TENDER**

Date of online publication :	07.07.2025 (05.00 PM)
Document download start and End date :	07.07.2025 (05.30 PM) upto 22.07.2025 (10.00 AM)
Bid submission start and end date :	07.07.2025 (05.30 PM) upto 22.07.2025 (10.00 AM)
Physical submission of EMD and cost of tender document (Cover 1):	22-07-2025(11.00AM)
Date of Technical bid opening, evaluation of technical bid followed by opening of financial bid :	22-07-2025(11.30AM)

The cost of tender document is **Rs.4,000/- (Rupees Four Thousand)** only payable by **Demand Draft in favour of “The Comptroller, Dr YS Parmar University of Horticulture & Forestry, Nauni-Solan”, Earnest Money (EMD) of Rs. 50,000/-** duly pledged in name of **Comptroller, UHF Nauni, Solan** which should be submitted in sealed envelope with letter head of company by 11.00 AM on 22.07.2025. The cost of tender document is **NON-REFUNDABLE**. The tender submitted without tender cost will be rejected straight way.

A) General Instructions

- a. E-tenders in Two Bids (Technical/Techno Commercial & Financial/Price bid) basis are invited by the Director of Research from interested and eligible Manufacturer/Fabricator of Herb Processing Equipment's/Essential oil distillation units or their authorized distributors/dealers, for supply, installation, testing and commissioning of Herbs Processing line.
- b. Both techno-commercial and **financial bid must be submitted online at Tenders Himachal Pradesh site <https://www.hptenders.gov.in>**, on or before 22.07.2025. In addition, physical copy of the techno commercial bid duly signed & stamped alongwith EMD & tender fee etc. must be submitted in physical form in the office of the undersigned on or before 22.07.2025. The same must be submitted in properly sealed manner & superscribed as "Tender for **Supplying, installation, testing and Commissioning of Herbs Processing Line** for the Deptt. of Forest Product". It must be addressed to the Director of Research and must contain the particular of the bidder in bottom left hand of the cover. Tenders without EMD & tender fee and techno-commercial bid in physical form shall be rejected straightway.
NB:- Financial bid is to be submitted only in online mode. No physical copy of the same is to be submitted.
- c. The complete bidding process is online. Bidders should have possession of valid digital Signature Certificate (DSC) for online submission of bids. Prior to bidding DSC needs to be registered on the website mentioned above.
- d. Tenderer/ Bidders are advised to follow the instructions provided in the 'Instructions to the Tenderer/Bidders for the e-submission of the bids online through the Tenders Himachal Pradesh Portal at <https://www.hptenders.gov.in>.
- e. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- f. The tender shall be submitted online in two part, viz., technical bid and financial bid. All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading. The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.
- g. Any future clarification and/or corrigendum(s) shall be communicated through the Public Procurement Portal for e Procurement at <https://www.hptenders.gov.in>. The bidders are required to regularly check the website to know about any/all such corrigendum(s) as only those bids, taking care of such corrigendum(s) shall be considered for finalization of the tender.
- h. Bidder should necessarily enclose a covering letter mentioning index of documents submitted with proper numbering.
- i. All the duly filled/completed pages of the tender should be given serial/page number on each page and signed by the owner of the firm or his Authorized signatory. In case the tenders are signed by the Authorized signatory, a copy of the power of attorney/authorization may be enclosed along with tender. A copy of the terms & conditions shall be signed on each page and submitted with the technical bid as token of acceptance of terms & conditions. Tender with unsigned pages/incomplete/partial/part of tender if submitted will be rejected outrightly.
- j. The competent authority of Dr YSP UHF Nauni, Solan reserves all rights to accept or reject any/ all tender(s) without assigning any reason and also reserves the right to reject any bid which in his opinion is non-responsive or violating any of the

conditions/specifications without any liability to any loss whatsoever it may cause to the bidder in the process.

- k. The bidder has to pay non-refundable tender fee of Rs 4000/- (Rs Four Thousand) in shape of DD payable to Comptroller, UHF, Nauni drawn at SBI Nauni/UCO Nauni.
- l. The bidder shall pay the respective amount of Earnest Money deposit (EMD) of complete assembly for which the bid is submitted by way of FDR in favor of the Comptroller, Dr YSP UHF Nauni, Solan for Rs. 50,000 (Rs Fifty Thousand)” drawn on any Nationalized Bank/ Scheduled Bank and payable at Nauni, Solan.
- m. Bids received without tender fees and Earnest Money deposit (EMD) shall stand rejected and thus shall not be considered for evaluation etc. at any stage. The Earnest Money Deposit of the successful Bidder may, at the discretion of Tender Inviting Authority be adjusted towards the Security Deposit payable by the Bidder.

B) Eligibility Criteria

The bidders must fulfil the following eligibility criteria: -

- i. The bidder should be an established Manufacturer/Fabricator of Herb Processing Equipment's/Essential oil distillation units (500 kg or more capacity) or Authorized Supplier/ Dealer, Turnkey Solution Provider or EPC (engineering, procurement and commissioning) contractor for Herb processing lines.
- ii. The bidder's firm must be registered with the appropriate authority and shall be engaged in manufacturing/fabrication and/ or supply of similar machines or turnkey execution for the last three (3) years. The bidder has to enclose Registration Certificate or any other documentary proof.
- iii. The average annual financial turnover during the last 3 financial years ending on 31st March of the previous financial year (2024-25) should be at least Rs. 1.00 Cr. Copies of audited balance sheet of 2022-23, 2023-24 and 2024-25 to be attached as documentary proof.
- iv. The bidder also required to enclose at least 02 successful satisfactory supply/ work order and installation Certificate/Completion Certificate/Performance Certificate for work in Herb Processing Lines/Essential oil distillation units of Rs.50.00 lakhs or more for last 03years ending 2024-25.
- v. The bidder should have PAN, GST Registration, UdhgyogAadhar/ Udyam registration and Import License, as applicable in their case and should submit a copy of each of these documents along with acknowledgement copies of the IT Returns for the last 3 financial years.
- vi. Supplier or Authorized Dealer/distributor of a reputed foreign or Indian manufacturing company. The bidder has to enclosed appropriate registration and dealership letter/certificate.

C) Techno-Commercial Bid

The tender should be submitted online.

- 1. The technical bid of the tender will be opened on 22.07.2025 at Committee Room of Directorate of Research, UHF Nauni, Solan. The financial bid will be opened after the evaluation of the technical bid.
- 2. The material should be supplied and installed at Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan-173230 and Rates quoted should be F.O.R. site.

3. The project is to be completed on a turnkey basis, including unloading at the site, installation, and full-capacity trial run by the supplier. Any minor item required for the operation of the unit but missed in the specifications shall also be under the supplier's scope.
4. Rates should be quoted in figures as well as in words.
5. Rates should be quoted as per BOQ
6. Items of the tender will be evaluated as a single lot, and the order will be placed accordingly.
7. The successful bidder must supply the material within 60 days from the date of the Purchase Order (P.O.), failing which the materials shall not be accepted and the order will be cancelled.
8. The rates quoted should be valid for 90 days.
9. Non-compliance with the terms and conditions of supply shall lead to forfeiture of the security deposit and/or blacklisting of the supplier.
10. The University reserves the right to accept or reject any or all tenders without assigning any reason.
11. The bidder must have supplied equipment and machinery to Government departments/corporations/universities/industries during the last 3 financial years (a list of similar work must be provided).
12. The bidder should not have been debarred/restrained/blacklisted by any Central/State Government agency, autonomous body, PSU, university, or institute in the past for similar works (Self Certificate to be provided).
13. The bidder should submit a specification compliance sheet as per the bid.
14. A warranty of one year is required for equipment and machinery items against manufacturing defects, starting from the date of the successful trial run.
15. If any bidder fails to meet the required criteria or does not submit the requested documents online, the tender bid will be rejected without further correspondence.
16. All disputes shall be subject to Solan jurisdiction.
17. The supplier shall be responsible for the proper functioning of the items after supply during warranty period. If any item is found unsatisfactory, it must be lifted by the supplier at their own expense, and appropriate action will be taken.
18. If the L-1 bidder is unable to supply the required quantity within the stipulated period, Dr. YSP UHF, Nauni, may approach the L-2, L-3, and subsequent bidders to supply the remaining quantity at the same rates, terms, and conditions as offered by the L-1 bidder.
19. The EMD of the successful bidder will be retained until the supply is completed.
20. The supplier shall provide onsite training to the staff at Dr. YSP UHF, Nauni.
21. The supplier shall arrange replacement of any part damaged during operation on a cost basis for a period of 5 years after warranty.
22. During installation, the supplier shall make their own arrangements for boarding and lodging.
23. Bidders may visit the site at Dr. YSP UHF, Nauni, on any working day before submitting the bid.

Analysis of technical bid

- i) The technical bid will be analyzed and evaluated by the Technical Evaluation Committee (TEC)
- ii) If required, the Technical Evaluation Committee (TEC)/ Host Institute Authority may seek specific clarifications from any or all Bidder (s) at this stage. The Authority shall determine the Bidder that qualifies for the next phase after reviewing the clarifications provided by

the Bidder(s). The bidder may be asked to make a presentation before the Purchase Committee.

- iii) The Authority reserves the right to modify the evaluation process at any time during the process, without assigning any reason, whatsoever, and without any requirement of intimating the Bidder of any such change. At any time during the process of evaluation the Authority may seek specific clarifications from any or all Bidder (s).

Evaluation of Financial Bids

- i) In this phase, the Financial Bids of the Bidder, who are technically qualified in the Technical Bid, shall only be considered.
- ii) The bid of agency quoting lowest for the overall turnkey execution as per the scope of work in their financial bid will be accepted as the successful bidder.

Award of Work/ Supplies

- i) The bid of agency quoting lowest financial bid i.e. L-1 bidder will be awarded the work/ supply order. The tender shall be treated as a single document and the financial bid will be finalized on the basis of lowest financial bid quoted by a firm for complete tender.
- ii) Acceptance of tender will be intimated to the successful bidder signed by the authorized signatory of the institution.
- iii) In case the bidder recommended for award of contract is not ready to accept the offer/found inappropriate, the proposal shall be made to subsequent bidder.
- iv) Performance Security shall be obtained from the successful bidder on the award of the contract at a rate of 5percent of the value of the contract in shape of FDR/ duly pledged Fixed Deposit or Bank Guarantee from a commercial bank. Performance Security shall remain valid for a period of sixty days from the date of completion of contract to the best of satisfaction of Procuring Department.

UNDERTAKING

To,
Director of Research,
DR YS Parmar University of Horticulture
And Forestry Nauni, Distt. Solan – HP (Pin - 173230).

Sir,

1. I/we the undersigned, certify that I/we have gone through the terms and conditions mentioned in the tender documents and undertake to comply with them.
2. It is further certified that our firm has not been blacklisted by any agency in India or abroad.
3. We will supply the goods in accordance to the specifications of the work order.
4. At any stage, if it is found that the substandard /deviation from the specifications/ design/quality has been made by us, we shall be liable for penalty and legal action.

Dated:

SIGNATURE OF THE TENDERER
WITH SEAL
NAME OF THE TENDERER
WITH ADDRESS

NOTE: Certificate as per above must be submitted only on non-judicial stamp paper of Rs. 100/- (Rs One Hundred Only)

Check List of Document to be uploaded by the bidder / firm/ agency duly signed by the firm :-

1. Tender fee of Rs.4,000/- in shape of Demand Draft.
2. EMD of Rs.50,000/- in shape of FDR.
3. A covering letter mentioning index of documents submitted with proper numbering.
4. A copy of power of attorney / authorization.
5. Manufacturer / Fabricator of Herb Processing Equipments / Authorised dealer.
6. Bidder shall be engaged in manufacturing / fabrication / supply of similar machines or turnkey execution in last three (3) years.
7. Annual Financial Turnover during the last 3 financial years.
8. Submit at least 02 successful satisfactory supply/work order and installation certificate / completion certificate.
9. PAN, GST, Registration and other important license.
10. IT Returns for the last 3 financial years.
11. Warranty of one year for equipment and machinery items against manufacturing defects, starting from the date of the successful trial run.

Supplying, installation, testing and Commissioning of Herbs Processing Line

1.	Primary Processing of Raw Herbs.	1. Chaff Cutter (1 No):Chaff cutter equipped with 2-3 stainless steel blades with flexible cutting length from 1-1.5 inch size, Heavy duty electric motor (5HP)for ensuring efficient performance. RPM: 300 maximum (adjustable from 100-300 RPM), Spare parts: onesetbelt and one set of blades. 2. Working SS Table (2 No.):Size 3.5 feet x 8 feet, Stainless steel SS 304, Legs should be removable; Height should be 900 ± 20mm. 3. Powder Mixing Tank (1 No):Capacity: 500L for Dry raw material mixing; RPM should be around 50-70 RPM; Flange type Drain Valve: Made from SS304. 4. Pulverizer cum Grinder (1 No):Automatic, heavy duty mild steel body, cold grinding pulverizer. Capacity 100-150 kg per hour, size 150 mm X 300 mm (± 5 mm) suitable for high-volume cold grinding of different types of herb. Heavy duty electric motor(7.5HP). NTN bearings. The machine should be made of heavy duty mild steel body with cover for pulleys and channel frame attachment. The grinder must be provided with following spare parts: 1) Motor Pulley-01No,2) Different types of sieves (Main, Medium and Frame Sieves)-1 Set, 3), Grease gun- 1 No and Grease- 5 Kg, 4) 1 packet rippet, 5) 3 Set cloth bags, 6) Brush-3No, 7) Beater gauze patti-2No,8)Beater pin-1No, 9) Lever flat for sieve removable-3No. and any other spare part required for grinding herbs in different sizes from fine to coarse powder. All the machine should be installed by providing suitable power switches, supply as well foundation of machines by proper grouting on the floor and handed over in fully working condition.
2.	Essential Oil Extraction.	ESSENTIAL OIL DISTILLATION UNIT : 1. Stainless Steel Field Distillation Unit (500kg capacity and direct fired)-1No Specifications: SS Distillation Tank:1350 mm (dia) x 1700 mm (Ht.) x 3.0 mm (thickness) (MOC: SS 304) with top flanged lid 1450 mm diameter x 3.0 mm thickness inbuilt SS 304 Square calandria 1350 mm x 1350 mm x 300 mm Height x 3 mm thickness sides and 4mm thick bottom with 5 numbers 100 mm diameter SS 304 smoke pipes and 500 mm x 75 mm diameter SS 304 flanged vapour line. 5 mm thick false bottom reinforcement and sheet 2 mm thick having 1330 mm diameter with perforations of 5mm holes on triangular pitch with 4 numbers of lifting chains. Manhole on the side of tank with ID-400mm and OD- 480mm tighten with I bolts and 50 mm diameter drain valve in the calandria. An analog type temperature gauge range $0-150^{\circ}\text{C}$ should be provided on the shell side. A suitable glass guided with steel level gauge be provided at the calandria shell side. Volumetric capacity of tank ~ 2500 lit. Insulation: Thermal insulation with suitable material thickness with SS wire mesh and aluminum cladding on shell of

		distillation tank. Condenser: Shell & tube type, horizontal inclined condenser with MS 3 mm thick shell painted and SS tubes & bonnets 1350 mm x 300 mm diameter with 20 mm diameter 18-gauge x 45 numbers SS tubes welded on 12 mm thick SS tube sheet supported on MS channel painted structured frame. Oil Separator: 460 mm x 380 mm x 2.0 mm thickness SS 304 with conical top and inlet funnel and water outlet 20 mm diameter with partition plate welded in the separator. The lid should be provided. MS Chimney: 250 mm diameter x 4800 mm (or more suitable height) x 3 mm thickness MS painted in two pieces with 12 mm thick MS Base Plate - 1 no. It should be self-standing with suitable support so as to withstand the wind pressure. Material Loading and Unloading System: MS Platform (suitable height) on the distillation tank for the loading/ unloading of raw material. Chain pulley block system with MS angle iron support structure 17 ft. H (or as per requirement) x 18 ft. L and 150 mm x 75 mm I beam with 2.0-ton capacity including pulley & geared trolley. Furnace: Furnace to be constructed with Red bricks and cement, sand etc. as per the requirement of the unit. Accessories: (i) CI Fire Bar 25 mm X 50 mm x 500 mm, 17 nos fitted on MS fire grate, (ii) MS painted fire door (iii) MS painted front flue duct (iv) All nuts/bolts to be of SS (v) Heat resistant polymer hose pipe size 2 inch with clamps- 5 meters, (vi) Heat resistant polymer hose pipe size 1.0 inch with clamps- 10 meters, (vii) Analog type spring balance with 100 kg maximum weighing capacity with precision of ± 5 kg complete with all necessary accessories of reputed make ISI. 2. Essential oil distillation unit cohobation type (1 No.): Specifications: Vessel: Raw Material capacity of vessel-100KG; Water capacity of tank-500 Litre; MOC-SS-304 x 2mm Thick; Type -Direct Fired; Top cover-Open able; Bottom -Square with 4 no caldaria tube 3mm; Drain valve-1.5 inch gate valve; Temp. gauge 0 to 150 degree; Discharge hole-350mm ID with I Bolt; Vapour Line-3 inch-SS304; All nut bolt -SS304. Oil Receiver cum separator: Capacity-30litre; MOC-SS304; Oil and condensate out ½ inch; Drain ½ inch Condenser: Type-Shell and Tube; MOC of shell-SS304; MOC of Tube-SS304, 20 nos; MOC of tube sheet-SS304; Water in and out -1 inch NB Mesh/Grid: MOC-SS304; Type-Perforated sheet; Fitting-Bottom side; Material Loading unloading system-Chain pulley block system with MS painted angle iron support structure. 100mm x 50mm I beam with 500 kg capacity including pulley & geared trolley. Gasket: MOC-Asbestos Furness and chimney : MOC-MS with fire bar; Platform for working-MS Common items/installations Water Circulation system with tank on MS support structure: One PVC water storage tank of capacity 3000 lit. mounted at suitable height on MS angle/ pipe structure so as to provide running water for cooling of the condenser. One 1000-lit. capacity PVC water tank to be provided for the storage of distillate water coming out of the condenser tubes. One 5000 lit. capacity tank, underground(75%) brick walled (9 inch wall) to be provided
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		along with suitable RCC cover for collection of warm water coming out of condenser. The water circulation system must be complete in all respect including all GI fittings, Flow trap valve, and water cooling system/shower system. The inlet pipeline (50 meters approx. with ½ inch dia.) from water supply source upto water circulation system shall also be included with all fitting and fixtures.Portable Pump: Monoblock centrifugal pump water pump 1 inch x 1 inch capacity 1.00 HP with hose nipple valve, clamps and necessary accessories of reputed ISI Make. <i>This water circulation system will be common for both the distillation units.</i> Cover Shed: A covered shed of dimension 35 ft. X 19 ft. with suitable height to adjust both the distillation units. Structure should be made of MS painted pipes/hollow square section and roofing with pre painted galvanized iron sheets (0.50 mm thick). A suitable entry door should be provided and rest of the walls should be covered with welded mesh and PPGI Sheets. The floor under the covered shed area should be finished with 2-inch thick cemented concrete in 1:2:3 (1 cement: 2 Coarse Sand: 3 Crushed stone aggregate) ratio after site leveling. The cover shed should able to withstand wind speed of 150 km/hr. <i>Both the units are to be installed under this cover shed.</i> Tool box: The tool box containing spanners, screw drivers and other tools & MS painted garden fork (panja) for unloading material from tank with the unit are to be provided for both the distillation units separately. Spares: Spare with each unit must be provided: i. Glandori: 1 no. ii. I bolt with nut and washers: 10 no. s iii. All Gasket and valves: 1 set each, iv. Level glass: 2 no. Installation and Civil Work: The installation and civil work of both the units shall be on turnkey basis and includes complete installation with all civil material, labour, plumbing, fixture, GI piping / fittings, valves etc. The place of installation of distillation units is situated in hilly terrain and civil work (leveling, digging site preparation) should be in accordance with the site and should be included. Note: The fabricator/vendor should provide satisfactory commissioning certificate of any Govt. department/Govt. undertaking of essential oil distillation unit of similar or higher technical specification units.
3.	Tertiary Processing of ginger for preparation of herbal tea, immunity booster products.	1. Vacuum Automatic Tray Dryer (01): Capacity: 6 trays (Tray size in inch LWH 32x16x1.25); Finishing: Mirror/Matte; Material: SS 304 for main body, vacuum tray dryer chamber and plate with heavy duty flange and stiffener; Door SS 304 plate (Hemisphere Shape) with heavy duty SS 304 flange.; Shelves hollow type pads with SS 304 sheet and baffles; Condenser (shell & tube) and receiver SS 304 with isolation valve and flow gas in between to monitor condensation; Vacuum tray dryer machine in SS 304 rounded corners and edges; Explosion vent/rupture disc on vacuum chamber; Pressure release valve in steam line; View and Light glass provided on vacuum chamber door; Silicon transparent gasket for door; Nitrogen purging valve provided on vacuum chamber; vacuum tray dryer break valve provided on vacuum chamber: Finishing; Internal 320 grit mirror polish and outer 180 grit mat finish.

		The vacuum tray dryer should be complete in all respect including suitable vacuum pump, nitrogen cylinder along with fittings (gas valves, gas pipeline and regulators etc.) for proper functioning of the equipment. The equipment should be installed with proper demonstration of working including all electric fitting and fixtures. 2. Horizontal band Sealer (01):Ideal for packing free-flowing powder; 150-200 pouches/hr depending on product and pouch size, Sealing with weight measurement
4.	Packaging Line for essential oils and herbal products.	1. Dip Tea Packing Machine(01): The Dip Tea packing machine should include 1. FFS Cup Filler Tea Sachet Packing Machine (1 No) 2. Conveyor Type FFS Tea Sachet Secondary Machine (01) Sealing type-3 side; Filing system-Automatic; Filling size- 1 to 5 g; Panel-Digital; Film draw- Automatic; Maximum film roll width-200 mm; Filling system-Cup filling system and Conveyor type; Machine Body-Powder coated; Product Contact Parts-SS 304; Batch cutting-Assembled with Horizontal; Packing speed - 70-80 pouches/min; Packing size- Minimum two sizes; Heater-High Density Power Heater; Photocell Panel-Digital; Temperature Controller- GIC PID; Voltmeter-GIC; SSR-Unison 40 amp; Wire- Polycab; MCB Auto Cut-Schneider Electric; Motor For M/C-Gear motor 1 HP, 220v, single phase (Crompton or similar brand), Gear Box-Greaves make ratio; Covering Touching- SS 304; Heater Load-350wx2 (Vertical) & 400wx2 (Horizontal); Covering Touching:- SS 304 Two free maintenance services of the Unit Both the machines are to be installed in line jointly including all fitting and fixture with live demonstration on its working. Packing material for 20,000 sachet of herbal tea should be provided. 2. Printing and Labeling machine(01): Computer(01)- Processor: Intel Core i7-1355U (up to 5.0 GHz with Intel Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) Memory: 16 GB DDR4-3200 MHz RAM (2 x 8 GB) Storage: 1 TB, M.2 SSD Operating System & Software: Windows 11 Home, Microsoft Office Home & Student Edition 2021 Display & Graphics:68.6 cm (27") diagonal, FHD, IPS, three-sided micro-edge, glossy Brightness: 300nits Color Gamut: 72% NTSC Resolution: 1920 x 1080Graphics: Intel UMA Graphics Ports:2 USB 2.0 Type-A;2 USB Type-A 5Gbps signaling rate, 1 USB Type-C 5Gbps signaling rate,1 RJ-45 Features: Webcam with 1080p FHD IR tilt privacy camera with temporal noise reduction and integrated dual array digital microphones, Audio Features: Dual 2 W speakers Networking: Realtek RTL8852BE Wi-Fi 6 (2x2) and Bluetooth-5.3 wireless card (supporting gigabit data rate) Wireless Keyboard and mouse combo Colour Printer:Print media supported-A3,A4; A5; A6; B5 (JIS); Plain, Light, Heavy, Extra Heavy, Coloured, Preprinted, Recycle, Labels, Bond, Glossy;Controller Type-iOS, Android; Max Input Sheet Capacity-150; Connectivity tech- Wireless and USB; Memory capacity-64 MB. A full set

		of colour print cartridges will be provided with printer. 3. Label Cutting Machine(01): Material can be used -Printed label cutting, Screen Protector Film, Self Adhesive vinyl, Window glass film; <i>Max feed size</i>-340mm A-3 and A-4 <i>Max cutting width</i>-335mm A-3 and A-4 <i>Max cutting force</i>-1000G <i>Cutting speed</i>-800mm <i>Software</i>- Coral draw directly <i>Motor</i>- Stepper motor <i>Machine precision</i>-0.1mm <i>Connector interface</i>-USB Cable
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Note: A warranty of one year is required for every equipment and machinery items against manufacturing defects, starting from the date of the successful trial run