



Dr YS PARMAR UNIVERSITY OF HORTICULTURE AND FORESTRY
NAUNI 173 230 SOLAN (HP) INDIA
DIRECTORATE OF RESEARCH

No.UHF/DR/VIII-51/2021 2573

Dated:- 16/7/25

CORRIGENDUM

Subject : Corrigendum for Processing Lines including primary, secondary and tertiary processing, raw material / finished product storage, packing.

With reference to this office tender notice UHF/DR/VIII-51/2021-2239 dated 07.07.2025 and the eTender ID 2025_YSPU_109642_1 for the above cited subject. The item at Page No. 19 under Section C, Food Testing laboratory, under Technical specifications at SN 3 Hunter Lab Colorimeter may read as Lab Colorimeter.

And Under specifications Section A at SN 4 of Dried Product Section may read as below:-

4. Dried Products Section	<p>1. Peeling and slicing machine (1 No):</p> <ul style="list-style-type: none">➤ It should have capacity of 100-250 kg/hr with abrasive peeling and should be made of SS304.➤ The slicing system must be adjustable to produce uniform slices of varying thickness.➤ The motor power should be 2 kW. <p>2. Ginger/Turmeric Washing and Peeling Machine (1 No):</p> <ul style="list-style-type: none">➤ It should have capacity of 100-250 kg/hour with tumbling drum washing mechanism.➤ The peeling mechanism should be abrasive peeling system.➤ The material of construction is SS304.➤ The motor power is 3 kW.➤ There must be adjustable speed, water recycling system, easy-to-remove parts for cleaning, safety guards, and automatic waste disposal for smooth and hygienic operation. <p>3. Garlic Clove Separator(1 No):</p> <ul style="list-style-type: none">➤ The garlic clove separator can process 100-250 kg of garlic per hour, designed for high-volume peeling and clove separation.➤ The separation mechanism is rotary drum for efficiently separating garlic cloves from the bulbs without damaging them.➤ The material of construction is SS304 for durability, corrosion resistance, and easy cleaning.➤ The motor power is 2 kW for efficient separation and high throughput.➤ There must be automatic waste discharge system for easy removal of garlic skins and debris, ensuring a clean working environment. <p>4. Garlic Peeler (1 No):</p> <ul style="list-style-type: none">➤ The garlic peeler can peel 10-50 kg of garlic per hour, suitable for small to medium-scale processing.➤ The peeling mechanism is abrasive peeling that efficiently removes garlic
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	<p>skin without damaging the cloves.</p> <ul style="list-style-type: none"> ➤ The material of construction is SS304 for hygiene, durability, and ease of cleaning. ➤ The motor power is 1 kW for consistent and efficient peeling operation. ➤ The safety features are safety guards and emergency stop function to ensure safe operation. <p>5. Blancher (SS Rectangular tank with drainage facility) (1 No):</p> <ul style="list-style-type: none"> ➤ The blancher has the capacity blanching vegetable or fruits to 50-150 litres. ➤ The material of construction is SS304 for durability, corrosion resistance, and hygiene. ➤ The tank must rectangular in shape with smooth interior surfaces for even heat distribution and easy cleaning. ➤ The heating system must be electric for precise temperature control, with adjustable heating power to maintain consistent blanching. ➤ There must be drain valve or drainage pipe at the bottom for easy removal of water or liquid after blanching, ensuring hygienic operation. ➤ Should be provided with required MS pipelines & fittings, SS pipelines & fittings, installation and commissioning. <p>6. Dried Pulverizer(1 No):</p> <ul style="list-style-type: none"> ➤ The dried pulverizer can process 100-250 kg per hour of dried products such as spices, herbs, grains, or other dry materials. ➤ The grinding mechanism is impact pulverizer system for efficient, fine grinding of dried products into powders. ➤ The material of construction is SS304 for durability, hygiene, and corrosion resistance. ➤ The motor power is 10 kW designed for high-efficiency grinding of tough and dried materials. ➤ There must be adjustable mesh or screen sizes for controlling particle size and achieving desired powder consistency. <p>7. Wet Pulverizer(1 No):</p> <ul style="list-style-type: none"> ➤ The wet pulverizer can process 100-250 kg per hour of wet materials such as pastes, wet spices, grains, or fruit pulp. ➤ The grinding mechanism is wet grinding using stone mills, disc or rotor-stator systems for fine, consistent grinding of wet materials. ➤ The material of construction is SS304 to ensure durability, hygiene, and resistance to corrosion. ➤ The motor power is 7 kW motor for powerful and efficient grinding of wet materials at high throughput. <p>8. Dehydrator with trays (1 No):</p> <ul style="list-style-type: none"> ➤ The dehydrator should be of capacity 48 trays ideal (minimum tray load: 2Kg/tray) for drying large volumes of fruits, vegetables, herbs, or other food products. ➤ The material of construction should be of SS304 for durability, corrosion resistance, and hygiene. ➤ The heating system should be electric with adjustable temperature control to ensure consistent and efficient dehydration. ➤ There must be forced air circulation for even drying, with adjustable fan speed for optimal airflow across all trays. ➤ The trays are designed for for easy loading and unloading, typically stainless steel mesh or food-safe plastic to allow uniform airflow around the product. <p>9. Pouch Form Fill and Sealing Machine(1 No):</p> <ul style="list-style-type: none"> ➤ The capacity of pouch form fill and sealing machine should be 100-250 kg
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per hour for sealing dried powders.

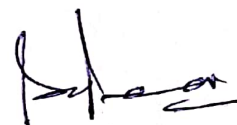
- The filling system is auger type filling for accurate and consistent filling of various powders.
- The pouch size is adjustable to accommodate variety of pouch sizes.
- The contact parts are of SS304 with outer body MS.
- There must be heat sealing system with precise temperature control to ensure strong and reliable seals.
- There must be automatic feeding system with PLC Control System, easy to clean design and safety features such as emergency stop.

10. Pouch Sealing Machine(1 No):

- The pouch sealing machine must be designed for high speed sealing of pouches of powder with capacity to pack 100-250 kg/hour of powders.
- There must be heat sealing system for strong and reliable seals, adjustable for various pouch materials (e.g., plastic, laminated films).
- The contact parts are made of SS304 and outer body of MS.
- The sealing width is adjustable to accommodate different pouch sizes and types.
- The control system is PLC based control for easy operation and precise control of sealing parameters (temperature, time, and pressure).

11. Printing Machine(1 No):

- The printing machine should have the capacity to print 40-100 pouches per minute which must be designed for high-speed printing on pouches, sachets, or packaging.
- The printing type must be thermal transfer printing for high-quality, durable prints on various materials such as plastic, films, and foil.
- The printing resolution must be Up to 300 dpi for clear text and graphics, ideal for branding, barcodes, batch numbers, and logos.
- The printing machine must be capable of printing on a wide range of flexible packaging materials, including polyethylene, polypropylene, and laminated films.
- It must be PLC based control system with interface for easy operation, speed adjustment, and monitoring.



Director of Research