

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENT

SI No.	Description of items	Quantity
PUR/516/NET/MP/E/2019-20/A		
1	SUPPLY AND INSTALLATION OF TUMBLING DRUM TYPE WASHER	1

1. INSTALLATION, COMMISSIONING AND TRAINING

- 1.1. The ordered goods are required to be installed within 15 days of receipt of goods at final destination. Installation should be carried out only by expert engineers of Supplier / Manufacturer. During the course of installation, necessary training on operation and maintenance of the goods shall be imparted to Institute's Scientist / Engineers/Technicians. [training for 4 persons for 3 days including trial run]

2. WARRANTY

- 2.1. Comprehensive on-site warranty for a period of one year must be provided to be effective from the date of completion of installation and commissioning and final acceptance of the items / equipment at the user's laboratory / Institute.

Annexure-I

Supply, Installation, Testing, Commissioning and Trial run of (a) Rotary drum washer, (b) Hammer mill with cyclone separator & dust collector at Mizoram Food Processing Industry (MIFPROY), A/97, Hmar Veng, Sihphir Venghlun, Aizawl, Mizoram – 796036

1 End user:

The post-harvest processing machineries as mentioned in (a) & (b) will be installed at Mizoram Food Processing Industry (MIFPROY), A/97, Hmar Veng, Sihphir Venghlun, Aizawl, Mizoram – 796036. The farmers of Mizoram will be utilizing the facility for post-harvest processing of ginger, turmeric etc. The operation and maintenance of the equipment items will be done by Mizoram Food Processing Industry (MIFPROY). This is in-line with the deliverable proposed in the DST funded project on “Socio-economic upliftment of rural tribal people of the state of Mizoram through appropriate science and technology interventions - A CSIR-CMERI initiative”.

2 Detailed specification:

a) Tumbling drum type washer

Capacity: 250 kg/hr

All contact parts of stainless steel SS 304 and Frame made of MS

Tumbling drum where the product is to be washed is made of SS sheet of 2 mm thickness with 8 mm hole size and 50 mm pitch

High speed water jet spray system on the top of the tumbling drum to wash the product

PVC water tank of 2000 L capacity at the bottom of the washer to collect waste water with mud filter and pump of 3 hp capacity

Minimum length of the tumbling drum: 4 m

Motor 3 hp, 3phase of make Crompton/equivalent with gearbox and VFD for speed control

Vibratory feeder at inlet of washer for continuous feeding of material at washer inlet

3. The supplier shall be required to perform the following services:

- a) Installation & Commissioning, Supervision and Demonstration of the goods;
- b) Providing required jigs and tools for assembly required for the completion of the installation;
- c) Cabling from main panel to all instruments and devices;
- d) Onsite training to Scientists/ Technicians/ Staff is to be provided by Supplier for operation and maintenance of the equipment to the complete satisfaction of the user department;
- e) All safety requirements are to be incorporated.

4 **Inspection and Acceptance Tests required:**

Trial run and full load test will be conducted for 3 days to the complete satisfaction of the end user in the presence of Scientists/Technical Officers from CSIR-CMERI.

5 **Minimum Pre-Qualification Criteria:**

None

Subho Samanta
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NA
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