

Corrigendum

In tender document

Tender Enquiry No. 24/laundry eqpt/381/2018-Rish(Admn)

Dated: 20-07-2018

As per schedule, Pre- Bid meeting of "Tender for Equipments of Laundry Services" was held on 06-07-2018 at 03.00 PM, in the tender opening room.

After consideration by Technical Specification Committee following modification (deletions/additions/replacements) additions for Tender Enquiry 24/laundry eqpt/381/2018-Rish (Admn) has been made.

Specification of Equipment's of Laundry Services is now read as: -

1. Barrier Washer Extractor - 2

- Capacity should not be less than 80 kg.
- Should not have drum volume less than 800 litres.
- Dimensions – 2110 x 1180 1820 mm
- Should have motor power of at least 15HP.
- Heating system Should be produced in form of steam having pressure of 0.3 – 4 atm.
- Should have automatic drum positioning to help in easy loading and unloading.
- For Steam heated system total power required should not be more than 11 kw.
- Outer covering and all the surfaces that come into contact with laundry and water should be made up of AISI 304 Cr-Ni SS
- Should have 15 standards and 10 optional programs. Also, the number of programs could be customized to any desired number.
- Should have door safety lock system
- Should have USB Port and touch screen microprocessor for smooth operation.
- Should automatically stop in case of improper extraction or excessive vibration
- Should have frequency-controlled motor for variable drum speed
- Should have adjustable drum cycle, extraction cycle, water level, water temperature.
- Should have automatic adjustment of two or more different water levels with water level switch.
- Should have specially designed pad system which prevents water and oil bearings to come in contact.
- Should have detergent dosing system
- Product should be European CE certified.

- Machine should be produced as per security certifications - Machine safety regulations (98/37/EEC), Low Voltage Regulation (73/23/EEC LVD) and Electromagnetic Compatibility Regulation (89/339/EEC).

2. Fully Automatic Washer Extractor (80kg): - 2

- Outer covering and all the surfaces that come into contact with laundry and water should be made up of AISI 304 Cr-Ni SS
- Capacity should not be less than 80kg.
- Should have 15 standard and 10 optional programs. The number of programs could be customized to any desired number.
- Should have USB Port and touch screen microprocessor for smooth operation.
- Should have door safety lock system
- Should automatically stop in case of improper extraction or excessive vibration
- Should have automatic adjustment of two or more different water levels with water level switch.
- Should have detergent dosing system
- Should have frequency-controlled motor for variable drum speed
- Should have motor power of at least 20 HP.
- Heating system Should be produced in form of steam having pressure of 0.3 – 4 atm.
- Dimensions – 1700 x 1550 x 2150 mm
- For Steam heated system total power required should not be more than 15 kw.
- Should not have drum volume less than 800 litres.
- Should have extra-large drum opening to help in easy loading and unloading.
- Product should be European CE certified.
- Machine should be produced as per security certifications - Machine safety regulations (98/37/EEC), Low Voltage Regulation (73/23/EEC LVD) and Electromagnetic Compatibility Regulation (89/339/EEC).

3. Fully Automatic Washer Extractor (100kg): - 2

- Outer covering and all the surfaces that come into contact with laundry and water should be made up of AISI 304 Cr-Ni SS.
- Capacity should not be less than 100kg.
- Should have 15 standard and 10 optional programs. The number of programs could be customized to any desired number.
- Should have USB Port and touch screen microprocessor for smooth operation.
- Should have door safety lock system.

- Should automatically stop in case of improper extraction or excessive vibration.
- Should have automatic adjustment of two or more different water levels with water level switch.
- Should have detergent dosing system.
- Should have frequency-controlled motor for variable drum speed.
- Should have motor power of at least 25 HP.
- Heating system Should be produced in form of steam having pressure of 0.3 – 4 atm.
- Dimensions – 1700 x 1700 x 2150 mm
- For Steam heated system total power required should not be more than 19 kw.
- Should not have drum volume less than 1000 litres.
- Should have extra-large drum opening to help in easy loading and unloading.
- Product should be European CE certified.
- Machine should be produced as per security certifications - Machine safety regulations (98/37/EEC), Low Voltage Regulation (73/23/EEC LVD) and Electromagnetic Compatibility Regulation (89/339/EEC).

4. **Industrial Drying Tumbler (80kg): - 2**

- Outer covering and all the surfaces that come into contact with laundry and water should be made up of AISI 304 Cr-Ni SS
- Capacity should not be less than 80kg.
- Extra safety system to prevent overheating
- Should have a safety system that prevents the machine from operation when the door is open
- Should have touch screen microprocessor control for easy operation.
- Special insulation that prevents heat loss from the drum.
- Should have filter blockage warning system.
- Should have cool down system.
- Should have motor power of 3 HP.
- Heating system should be produced in form of steam having pressure of 0.4 – 4 atm.
- Dimensions – 1560 x 1650 x 2200 mm
- For Steam heated system total power required should not be more than 2kw.
- Should have extra-large drum opening to help in easy loading and unloading.
- Product should be European CE certified.
- Machine should be produced as per security certifications - Machine safety regulations (98/37/EEC), Low Voltage Regulation (73/23/EEC LVD) and Electromagnetic Compatibility Regulation (89/339/EEC).

5. Industrial Drying Tumbler (100kg): - 2

- Outer covering and all the surfaces that come into contact with laundry and water should be made up of AISI 304 Cr-Ni SS
- Capacity should not be less than 100kg.
- Extra safety system to prevent overheating
- Should have a safety system that prevents the machine from operation when the door is open
- Should have touch screen microprocessor control for easy operation.
- Special insulation that prevents heat loss from the drum.
- Should have filter blockage warning system.
- Should have cool down system.
- Should have motor power of 4 HP.
- Heating system should be produced in form of steam having pressure of 0.4 – 4 atm.
- Dimensions – 1560 x 1900 x 2200 mm
- For Steam heated system total power required should not be more than 3kw.
- Should have extra-large drum opening to help in easy loading and unloading.
- Product should be European CE certified.
- Machine should be produced as per security certifications - Machine safety regulations (98/37/EEC), Low Voltage Regulation (73/23/EEC LVD) and Electromagnetic Compatibility Regulation (89/339/EEC).

6. Double Roll Flatwork Drying Ironer: - 1

- Main tape and transmitter tapes should be high heat resistant and made of original Nomex material.
- Clips that enable the bonding of tapes should be of stainless steel
- The main cylinder that provides ironing should be corrosion resistant
- In case of power cut the material between the cylinder can be removed by the manual lever connected to the reducer
- Main cylinder, outer body and other parts providing ironing should be made of stainless steel.
- Should have sensors to prevent the users hand to be caught between the cylinders during use.
- Should have USB Port and touch screen microprocessor for smooth operation.
- Heating system should be produced in form of steam having pressure of 4 – 10 atm.

- Should have stainless steel worktop.
- Should have ability to control cylinder speed via digital controlled speed control system.
- Should have motor of 4 HP power.
- Dimension – 4040 x 2000 x 1950mm
- Roller length – at least 3000mm.
- Roller Diameter at least 1200 mm.
- For Steam heated system total power required should not be more than 3kw
- Steam consumption should not be more than 85kg/moment.
- Product should be European CE certified.
- Machine should be produced as per security certifications - Machine safety regulations (98/37/EEC), Low Voltage Regulation (73/23/EEC LVD) and Electromagnetic Compatibility Regulation (89/339/EEC).

7. Automatic Bedsheet Folder: - 1

- Should have maximum Capacity of at least – 600 pcs / hour
- Should have working speed of at least 30m/min.
- Should be compatible for operational requirement on 320 – 600 pcs/hour
- Should be convenient to fold Maximum sheet size of 3m x 3m.
- Should be compatible to fold Minimum sheet size of 60cm x 30cm.
- Should have single or double lane.
- Should have 2 width and 3 length folding.
- Product should be European CE certified.
- Machine should be produced as per security certifications - Machine safety regulations (98/37/EEC), Low Voltage Regulation (73/23/EEC LVD) and Electromagnetic Compatibility Regulation (89/339/EEC).

8. Vacuum, Steaming and Blowing Ironing Board: - 4

- Overall Dimensions: 1500 x 980 x 1200 mm
- Should have 4-layer padding with pure silicone foams.
- Should have high depression vacuum motor 0.5HP.
- Should have anti heat buffer.
- Should be thermostatically controlled
- Should include steam hand iron.
- Should have automatic switch of vacuum and blowing from the buck to the swing arm.
- Should have lighting device and iron trolley.

- Should work on pneumatic cylinders to switch from vacuum to blowing to prevent time delay.
- Product should be European CE certified.
- Machine should be produced as per security certifications - Machine safety regulations (98/37/EEC), Low Voltage Regulation (73/23/EEC LVD) and Electromagnetic Compatibility Regulation (89/339/EEC).

9. **Air Compressor: - 2**

- Single stage, air cooled, base mounted, oil injected reciprocating air compressor with belt pulley transmission.
- Should have reciprocating compressor block.
- CE certified air receiver made from P265GH pressure vessel steel.
- 400V / 3Phase / 50 Hz IE3 efficiency class IP55 main motor.
- Should have drive system with belt pulley mechanism.
- Should have fan type cast iron pulley.
- Should have long lasting bearings.
- Should have air intake filter and silencer for load less operation.
- Should have oil level indicator.
- Should have splash lubrication system
- Should have solenoid valve for load less start.
- Should have pressure switch
- Should have belt pulley guard.
- Should have safety valve.
- Should have belt pulley guard.

10. **High Pressure Stream Boilers. -1**

Steam Capacity	:	1800 KG/h
Heating Capacity	:	1.080.000 Kcal/h
Working Pressure	:	10 bar.
Construction Pressure	:	11 bar.
Test Pressure	:	16.5 bar (at 20 degrees Celsius)
Boiler Efficiency	:	90%
Fuel Type	:	Diesel (1000 ltr capacity)
Main steam valve	:	1
Feeding water inlet valve	:	1
Feeding water inlet check valve:		1

Blow down valve	:	1
Spring loading safety valve	:	2
Level Control device	:	1
Pressure transmitter	:	1

Should be supplied with feeding water pump and armatures, Condense tank, Automatic water softener and water filter.

Feeding water pump	:	2 (one of them for backup)
Condense tank	:	1
Automatic water softener	:	1

11. **Flat Bed Drying Press:** - 4

- Product should be European CE approved.
- Corrosion resistant electrostatic powder coated.
- Should have self-steam generator and vacuum system.
- Should be suitable for all type of clothing range like jackets, pants etc.
- Should have long life and should not be based on roller bearing system operator.
- Should have equal steam distribution.
- Should have steam pressure of 4kw.
- Should not have steam consumption more than 24kg/h.
- Dimensions – 1500 x 1350 x 1350mm.

12. **Dry Linen Trolley:** - 20

- Should be made up of PVC material.
- Should have minimum load bearing capacity of 500 ltr
- Dimensions – 850 x 850 x 1680 mm
- Should have 4 pieces of 360-degree swivel castors.

13. **Washroom Trolley:** - 10

- Should be made up of PVC material.
- Should have minimum load bearing capacity of 280 ltr.
- Dimensions – 850 x 650 x 800 mm
- Should have 4 pieces of 360-degree swivel castors.

14. **Mobile Table:** - 4

- Should be made up of AISI 304 grade stainless steel.
- Dimensions – 1130 x 720 x 800 mm
- Should have 4 pieces of 360-degree swivel castors.

15. Laundry Scrub Station with 2 Sinks: - 2

- Should be made up of AISI 304 grade stainless steel.
- Top surface is press levelled to prevent water flow
- Dimension: 1600 x 550 x 900mm

16. Storage Shelves:) - 5

- Produced of AISI 304 Stainless Steel sheet
- Should have 4 shelves
- Dimensions – 2400 x 800 x 1800mm

17. Garment Racks: - 4

- Should be entirely produced of AISI 304 grade stainless steel
- Should have perforated door for ventilation.
- Doors should have locking facility
- Dimension – 1300 x 600 x 1600mm

18. Stain Removing Table: - 2

- Product should be European CE Certified.
- Should have built in boiler with spot removing apparatus
- Built in compressor and boiler.
- Three cold spotting guns
- One air / steam heat proof gun
- Two SS bucks with suction
- Machine should be produced as per security certifications - Machine safety regulations (98/37/EEC), Low Voltage Regulation (73/23/EEC LVD) and Electromagnetic Compatibility Regulation (89/339/EEC).