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.

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.

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.

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.
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.

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.

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.

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

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**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam Capacity</td>
<td>1800 KG/h</td>
</tr>
<tr>
<td>Heating Capacity</td>
<td>1,080,000 Kcal/h</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>10 bar</td>
</tr>
<tr>
<td>Construction Pressure</td>
<td>11 bar</td>
</tr>
<tr>
<td>Test Pressure</td>
<td>16.5 bar (at 20 degrees Celsius)</td>
</tr>
<tr>
<td>Boiler Efficiency</td>
<td>90%</td>
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<tr>
<td>Fuel Type</td>
<td>Diesel (1000 ltr capacity)</td>
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<tr>
<td>Main steam valve</td>
<td>1</td>
</tr>
<tr>
<td>Feeding water inlet valve</td>
<td>1</td>
</tr>
<tr>
<td>Feeding water inlet check valve</td>
<td>1</td>
</tr>
</tbody>
</table>
Blow down valve : 1
Spring loading safety value : 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