

## TECHNICAL SPECIFICATION FOR PORTA FEMALE TOILET

**Following are the technical specification of prefabricated toilet blocks:**

<b>SCOPE OF WORK</b>	The Bidder will be required to manufacture, supply and install the Pre-Fabricated Toilet blocks. The scope also includes construction and commissioning (including excavation in all types of soil) of soak pits and leach pits for the toilet blocks or alternatively commissioning of DRDO approved Bio-digester.
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### **Technical Specification**

<b>DESCRIPTION</b>	Prefabricated structure should be suitable for mounting on readymade concrete floor (requisite civil works to be carried out by vendor). The components shall be fabricated at factory for ease of assembly.
<b>LAYOUT</b>	The exterior dimensions of the container is to be minimum 20' x 8' x 8' with a tolerance of +10%. Each toilet block should consist of six Indian WC complete with flushing system and two numbers of wash basin with looking mirror aesthetically fitted. All internal accessories of WC, urinal & washbasin to be made of SS 304 material.
<b>OUTER STRUCTURE</b>	The outer structure is made of pre-manufactured second hand auctioned container in MS. The structure shall be painted with PU base paint.
<b>INNER WALL AND CLADDING</b>	To be of MS base structure with SS panel supported with proper Plywood pasting. The sandwich panels outer to be container body and inner cladding should be made of combination of SS 304 and 441 of thickness 0.5 to 1.5mm sheet (Tolerance for thickness should As per ASTM standard). The total thickness of the sandwich panel should be minimum 20mm. Provided with 20mm thk sandwich panel for WC partition & 30mm thk for Male & Female Partition).
<b>ROOF</b>	The roof to be painted with PU paint.
<b>DOOR</b>	The container door frame will be made of MS L Angle sections. The outer door shall be made from cutting the container wall. Inside door for each WC is of SS 441 both side with PUF (20 mm thk). The door shall be fixed with the door frame with hinges. The door shutter shall be provided with 1 no. aldrops outside, 1 no. of Tower bolts at the center inside and handles shall be provided on both sides.
<b>AIR VENTILATION</b>	The air ventilation should be made out of (SS Mesh with MS L Angle Frame weld to Container Wall. Six exhaust fans should be provided for each ventilation openings.
<b>FLOORING</b>	Flooring to cover on the top with PVC mats 2mm thickness.
<b>ELECTRIFICATION</b>	Adequate Nos of light Points, Exhaust Fan points along with fixtures.
<b>Water Tank</b>	Two Plastic over head water tank of 500ltr capacity each

### **Notes:**

1. The OEM should have their own manufacturing unit and experience of minimum 02 (two) years in

making "SS prefabricated toilet blocks". In support of this a copy of their factory registration certificate & PO copy with execution documents, of two years old or more, should be submitted along with the bid.

2. The OEM should have manufactured and supplied at least 20 Nos. of similar item any PSU / Central Govt. / State Govt./ Public Limited Company, during last three years. In support of this, copies of Purchase Orders with Tax Invoices / Bill of Lading should be submitted with the bid.
3. The OEM should give one year free maintenance guarantee.