

11.1.19**Specification for Pre fab PUF panel toilet block**

Main Structure	The main structural members shall be made out of MS Square & Rectangular Pipe welded between the top and base frames.
Roof & outer wall	The insulated wall cladding shall be done with sandwich type panel made with 0.4 mm thick pre coated plain sheet at outer side and inner side of PUF. Total thickness of panel shall be 30mm for roof and 50mm for wall. PU must be cfc free self-extinguishing fire retardant type having density of 40kg/cum(+/-2kgs). The panels shall be joined together by tongue and groove method and placed in vertical direction. Colour shall be off white or as approved by BHEL engineer-in-charge. Toilet block shall be provided with suitable hooks for shifting purpose. Adequate shade cover to be provided with metal steel sheet for Washbasin.
Door	Door shall be external opening type made out of the PUF panels with Suitable locking arrangements (both inside and outside).
Flooring	Flooring shall be made from 18mm Cement Board, top with vinyl on bottom frame
Plumbing	All the necessary internal Plumbing works
Water tank	PVC Water tank of 500 Litres capacity along with steel structure required to hold the tank in position shall be supplied
Toilet wares	
For 4'x4'x7' size toilet	EWC with flush tank-1Nos, Washbasin-1Nos with CP pillar cock (outside), health faucet & tap-1 Nos
For 4'x8'x7' size toilet with partition	EWC with flush tank-2Nos, Washbasin-1Nos with CP pillar cock(outside), health faucet & tap-2 Nos
Electrical	Electrical wiring suitable for 250 volt, 50Hz single phase AC power supply shall be provided with necessary internal wiring and switches. ISI mark and concealed in PVC conduits insulated copper wire shall be used for wiring with small size distribution board with MCB protection to separate with main supply.
For 4'x4'x7' size toilet	18W LED tube light -1Nos, Exhaust Fan of 300 mm sweep -1Nos, bulkhead fitting with lamp for outside of door -1Nos
For 4'x8'x7' size toilet with partition	18W LED tube light -2Nos, Exhaust Fan of 300 mm sweep -2Nos, bulkhead fitting with lamp for outside of door -1Nos

Material supplies shall be purchased from any leading manufacturer and shall conform to IS standards and as accepted by engineer-in-charge.

11.1.20 Specification for Pre fab PUF panel Security cabin

Main Structure	The main structural members shall be made out of MS Square & Rectangular Pipe welded between the top and base frames.
Roof & outer wall	The insulated wall cladding shall be done with sandwich type panel made with 0.4 mm thick pre coated plain sheet at outer side and inner side of PUF. Total thickness of panel shall be 30mm for roof and 50mm for wall. PU must be cfc free self-extinguishing fire retardant type having density of 40kg/cum(+/-2kgs). The panels shall be joined together by tongue and groove method and placed in vertical direction. Colour shall be light grey or as approved by BHEL engineer-in-charge. Security cabin shall be provided with suitable hooks for shifting purpose.
Door	Door shall be external opening type made out of the PUF panels with Suitable locking arrangements (both inside and outside).
Windows	3'x3' Aluminium powder coated window -2Nos, sliding type shall be provided, made of aluminium section with clear vision glass fitted to it.
Flooring	Flooring shall be made from 18mm Cement Board, top with vinyl on bottom frame.
Electrical	Electrical wiring suitable for 250 volt, 50Hz single phase AC power supply shall be provided with necessary internal wiring and switches. ISI mark and concealed in PVC conduits insulated copper wire shall be used for wiring with small size distribution board with MCB protection to separate with main supply. 18W LED tube light -2Nos, 1no bulkhead fitting with lamp for outside of door, Ceiling fan -1Nos

Material supplies shall be purchased from any leading manufacturer and shall conform to IS standards and as approved by engineer-in-charge.