



## **Tender Specification**

### **1 Hour Fire Rated Integrity & Insulated Wooden Finished Doors & Frame**

Providing, Supply & Fixing of PROMAT make 1 Hour fire rated doors system duly tested for integrity & Insulation as per the IS:3614 part 2 and BS:476 part 20 at FRL CBRI Roorkee with standard heating conditions as specified in IS:3809 - 1979 and BS:476 part 20 & 22 1987 to achieve the required integrity & insulation (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140 degree Celsius above the ambient temperature on the unexposed surface of the shutter), hardwood frame of section 120mm X 70mm with 1 no. of Promaseal Intumescent strip to take care of Hot smoke size of 10mm X 2mm canceled in the groove of the frame with fixing arrangements of 3 nos. of G.I. hold fast 225mmX20mmX4mm with split end on either side and wall grouted with cement concrete mix 1:3;6 adjustable lugs with split end tail to each jamb, including 3 nos. of stainless steel ball bearing hinges of SS 304 quality of size 102mmX102mmX3mm thick to capable of taking load up to 80 Kg of the shutter with SS pin, lock strike plate, shock absorbers as specified and 42mm thick single leaf shutter made out of perimeter railing of RedMarenti hard wood of size 35mmX34mm and one 15mm thick Promatect – H Calcium Silicate Board / 2 nos. of 6mm thick Promina – 60 board with 20mm thick Non-combustible Fire Retardant compound coated with silicon sealant and faced with 4mm thick Water Proof marine Ply with brush type Fire and Smoke Intumescent Seal of size 10mm x 4mm mounted in the grooves in the shutter on all sides except bottom with 10mm thick teak wood beading on all side and Promaseal Intumescent sealant is used to seal the gaps between Promatect-H Board and shutter beading. The fire Doors with frame will be as per IS:3614 part 4 and BS:476 part 20 at FRL CBRI Roorkee with standard heating conditions as specified in IS:3809 - 1979 and BS:476 part 20 & 22 1987 all complete to the entire specification with the certified copy of the valid Test Certificates to be issued by M/s.Promat International Asia Pacific Ltd.