Development of 2m x 2m size Glass RPCs for INO

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The India-based Neutrino Observatory (INO) collaboration is planning to build a massive 50kton magnetised iron calorimeter (ICAL) detector to study atmospheric neutrinos. About 30,000 2m x 2m size glass RPCs will be used as active detector elements. Starting with a small 30cm x 30cm size RPCs, we have now started developing full size 2m x 2m RPCs. The production method for this large size RPCs as well as their performance will be discussed in this paper.

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