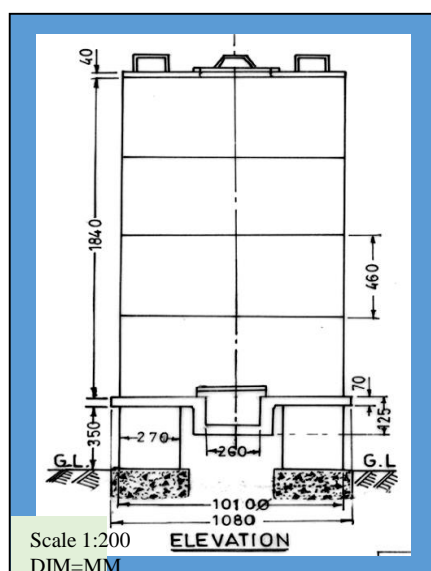


Storage option: RCC ring bin



www.rkbassam.in

- ❑ Improved storage devices made up of RCC rings that are commonly available for construction of ring wells are placed over one another on a specially designed RCC slab.
- ❑ The slab was placed over four brick pillars.
- ❑ The centre of the slab is made slightly depressed and slanted towards the outlet.
- ❑ Grain outlet is provided below the bottom most ring with sliding metal plate for closing.
- ❑ Required amount of grain can be unloaded by opening the sliding gate and poking
- ❑ The top ring is covered with another round slab with an observation hole at the center with a metallic lid.
- ❑ The joints of the rings are sealed with cement mortar.
- ❑ The capacity of such bins made up of four rings was around 5.50 quintal
- ❑ The structure should be placed under shed for protection from rain however, with sufficient sunshine
- ❑ Paddy to be stored should be winnowed, cleaned and dried to safe storage moisture level ($13 \pm 1\%$)
- ❑ Before storage the inside of the structure should be plastered with cow dung mixed mud
- ❑ Loss of grain due to attack by rodents and birds is completely eliminated thereby, 6-8% stored grain could be saved
- ❑ Attack by rice moth prevalent in traditional structure called *bharal* / *duli* is eliminated



Developed with input from: IIRRI & AAU



Assam Agribusiness and Rural Transformation Project (APART)

The World Bank is the funding agency of APART. Department of Agriculture, Assam is the nodal department for implementation of APART. ARIAS Society is the State Level coordinating and monitoring agency for APART. Assam Agricultural University is the leading Agricultural University of the State and implementing agency of APART, imparting research and scientific support. International Rice Research Institute (IRRI) is the rice global leader providing technical and hand-holding support in the implementation of APART.