

Buy-in Template

We request \$xxxxk for purchasing computing equipment through the buy-in program offered by Michigan State University's (MSU) Institute for Cyber-Enabled Research (iCER). The proposed funds will be used to purchase \$xxxx\$ additional computing resources for a computing cluster that is purchased approximately every two years by MSU. These computing clusters are housed within the High Performance Computing Center (HPCC) located at MSU's main campus in East Lansing, Michigan. As part of the buy-in program, the PIs and their collaborators will be provided priority access (guaranteed start of jobs in less than four hours) to these additional computational resources, directly improving the rate at which the research group can perform simulations and analyze data. In addition to the purchased resources, PIs and their collaborators will also be granted access to the entire cluster for running jobs that require additional resources. The requested amount of \$XXk was based on the most recent MSU HPCC buy-in opportunity in 2014.****Please see note below.*

As part of the buy-in agreement, iCER provides the cyber infrastructure for researchers to utilize their buy-in equipment. This includes replicated high-speed file servers, monitored redundant power and cooling, management nodes, and a comprehensive software stack. Additionally, iCER provides HPCC system administration and troubleshooting support, user training and user consultations.

*** *Please contact iCER for the most up to date buy-in configuration and prices.*

