Queuing System in GALAXY SERVER

There are 3 types of queues available in our HPC Cluster (1+40)

1. work-01
2. short
3. res-2
4. res-4

1. work-01

* User can submit a **maximum of 5 jobs**, or
* User can use **maximum of 84 core** for their jobs totally.
* **Minimum core to be used: 7 (ncpus=7)**
* Minimum wall time: **240:00:00 hrs**
* Maximum wall time: **720:00:00 hrs**

Note: This **work-01** queue is mainly for **1 node per job purpose**, if they want to run 2 nodes per job is also possible, but it depends upon the resource availability.

Eg: Select=1; ncpus=7 or 14 or 28

2. short

* User can submit a **maximum of 2 jobs**, or
* User can use **maximum of 28 core** for their jobs totally.
* **Minimum core to be used: 7 (ncpus=7)**
* Minimum and Maximum wall time: **12:00:00 hrs**

Note: This **short** queue is mainly for **small and testing calculation** purpose only.

Eg: Select=1; ncpus=7 or 14 or 28

3. res-2

       * One can **submit at most of 2 jobs** in this queue.
       * User can use **maximum of 56 core** for their jobs totally.
       * **Minimum core to be used: 28 (ncpus=28)**
       * Minimum wall time: **240:00:00 hrs**
       * Maximum wall time: **720:00:00 hrs**

Note: This res-2 queue is mainly for 2 nodes per job purpose only.

No one should use this queue for 1 node per job. If any user submits their job with single node using this queue, we will intimate you first time, for the next time onwards it will kill automatically.

Eg: Select=2; ncpus=28

4. res-4

       * User can **submit maximum 1 job** via this queue.
       * User can use **maximum of 112 core** for their jobs totally.
       * **Minimum core to be used: 28 (ncpus=28)**
       * Minimum wall time: **240:00:00 hrs**
       * Maximum wall time: **720:00:00 hrs**

Note: This res-4 queue is mainly for 4 nodes per job purpose only.

No one should use this queue for 1 or 2 node per job. If any user submits job with single node using this queue, we will intimate you first time, for the next time onwards it will kill automatically.

Eg: Select=4; ncpus=28