Data center and network related discussions

In the campus we have 2 SO, 2 SA, 1 Technician.
Permanent staff staying outside – 1 SA (BBSR) and 1 technician (Jatni).
Temporary staff staying outside
   Data center related - 4 people (1 at a time on rotation).
   Optical fiber related – 2 people
   Network related – 1 person on call basis.
   Desktop services related – 1 person (can be managed by technician in Jatni)
   Webpage related – 1 person (can be managed by staff inside campus)

Internet source – BSNL (1Gbps) and NKN (through power grid, 1 Gbps)
Internet connection is through Optical fibre cables – separate cables for the two. BSNL has separate 2 lines.

Connection may be disrupted due to fibre cut:
(a) Inside campus – 2 people looking at this through AMC. BNSL may be contacted to help. Due to non-availability of slicing machine inside people cannot solve.
(b) Outside campus – BSNL and NIC and PGCIL has to be requested to solve the matter.

AC and UPS failure can disrupt data centre related activities.
UPS battery spares – Not available, but we have redundancy in UPS as well as in AC.

Monitoring: In case of emergency will be done by people present in campus

Hardware level fire wall – expires – 3rd April 2020 – now extended upon request to 13th April 2020. Action: Please request for extension beyond lockdown period following due process and/or urgently talk to Store and Purchase for opening the tender bids.

Switches around 300 are operational these may develop problems – spares present 20. Last six months roughly 30 replacements needed. We can fix issues using remote access (Dhiren).

We have 18 new Servers 18 - if some of them goes bad – 3 servers are available as back-up. Last 6 months no server has gone bad. Minimum needed for proper functioning – 5 servers. Campus people can fix if issues arise.

Person staying outside preferred inside campus – network related – may be possible if food and accommodation is provided.