**COSTS**

**Core Layer**

The core layer is responsible for fast and reliable transportation of data across a network. The core layer is often known as the backbone or foundation network because all other layers rely upon it. Its purpose is to reduce the latency time in the delivery of packets. The factors to be considered while designing devices to be used in the core layer are:

At the core layer, efficiency is the key term. Fewer and faster systems create a more efficient backbone. There are various equipments available for the core layer. Examples of core layer Cisco equipment include:

* Cisco switches such as 7000, 7200, 7500, and 12000 (for WAN use)
* Catalyst switches such as 6000, 5000, and 4000 (for LAN use)
* T-1 and E-1 lines, Frame relay connections, ATM networks, Switched Multimegabit Data Service (SMDS)

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| **DEVICE** | **COST** |
| Cisco switch 7000 series (for WAN) | Rs. 9,47,000/- |
| Catalyst 6000 series (for LAN) | Rs. 2,80,000/- |
| T1 lines | Rs. 14,000/- per month |