**Bangabandhu Satellite**

A satellite is an artificial object which has been intentionally placed into orbit. The Bangabandhu Satellite-1 is the first Bangladeshi geostationary communications and Broadcasting Satellite. It was manufactured by Thales Alenia Space and launched on 11 May 2018. Bangladesh Government formed a Government-owned Bangladesh Communication Satellite Company Limited, BCSCL with the aim to operate the Bangabandhu Satellite-1. The launch made Bangladesh the 57th nation in the world and fourth in South Asia to own a satellite. Bangabandhu-1 satellite carries a total of 40 transponders a capacity of 1600 MHz In the outer section of the satellite the red-green flag of Bangladesh is painted and, on the flag, there is written “Bangabandhu-1” in English and Bangla. There is also a monogram of the government of Bangladesh. The Bangabandhu-1 satellite weighs 3,500. In BS-1 The priority satellite applications are (1) Direct to Home (DTH) (2) VSAT (3) Backhaul and Trucking (4) Network Restoration (5) Disaster Preparedness and Relief. For these sectors, Bangladesh was depended on foreign satellites. Which costs us a lot of money every year. This Huge cost will be avoided and moreover, by renting some frequency broadband, we will earn a sufficient amount of money from underdeveloped countries. Once launched, Bangabandhu-1 will save this annual cost, and bring in foreign currency by leasing out half its capacity to SAARC nations if the frequencies are properly coordinated. The telecom regulator hopes to break even in seven years. The satellite will narrow the digital divide, as it will help take broadcast and telecom services to rural areas and allow the launch of some lucrative ventures like direct-to-home services throughout the country. Bangabandhu Satellite1’s mission is expected to last at least 15 years. The satellite will offer video and communications coverage over Bangladesh and its territorial waters in the Bay of Bengal. The satellite will also provide broadband connectivity to rural areas throughout the country. So, Bangabandhu Satellite-1 is not only a symbol of Digital Bangladesh, but also it will make our daily lives and connectivity easier and more efficient.