

Program Name: Bachelor of Computer Science (HONS)

Course Code: CSC \_2332

Course Name: Software Project management

Assignment: 1

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**Submitted By: Submitted To:**

Student Name: Unisha Tamang Faculty Name: Satyam Paudel

IUKL ID: 042101900085 Department: BCS

Semester: Second

**Introduction**

The Arun Valley Hydropower Development Company Limited (AHPC) was formed with the goal of developing, constructing, and operating hydropower projects in Nepal's Koshi Zone's Sankhuwasava district. AHPC has developed and built 3,000 kW Piluwakhola Small Hydropower Projects as its first projects to achieve its goal. The group's entry into the hydropower market marked the beginning of a new era for private sector hydropower project development in Nepal. The PPA power purchase rate was not announced, commercial banks refused to finance hydropower projects, and there was no transmission line or approach road in place. In the year 1998 A.D., policies and legislation were enacted. As this group began the feasibility study for the Piluwakhola project, the PPA price was defined, the transmission line was built, the approach road was built, and banks agreed to finance the project with a term loan.

Construction on the project began in the year 2000 A.D. Using archaic technology, such as smashing rocks with one's hands, has been carried out for a long time.

**Scope**  
To make general public participation, the company converted into public limited company from the private limited company on 20th August, 2005. The company floated 30% of its share to public in June 2009. This is the first hydropower company in Nepal to float its share in premium value i.e. Rs.184 per share, where Rs.100 was face value and Rs.84 was premium value. After the public participation, there were 28584 shareholders within the company.

**Benefits of hydro power:**