SPECIAL FEATURES OF THE PROJECT

A BIRD EYE VIEW OF THE DAM UNDER CONSTRUCTION

1. Acidity of the Myntdu river:

The pH value of the Myntdu River is around 4.00. The cause of acidity is due to coal mining in the catchment area. The coal mining is privately owned and is done unscientifically. It is known that the acid water corrodes steel and is disastrous toconcrete. While designing various structures, the environment for concrete and steel has been considered as extremely aggressive. Anti corrosion steel & stain less Steel has to be used in structures. In addition, micro silica & other admixtures have to be added in the concrete to make it more durable and dense.

2. Rainfall:

The Project area is located in the southern slopes of the State and is in the same belt with Cherrapunjee, which receives the heaviest rainfall in the world. Due to heavy rainfall, the project schedule had to be rescheduled many times.

3. Seismicity:

The project area is located very close to the Dawki fault. Dawki fault, according to seismologist, has potential to generate earthquake measuring 9+ in the Richter scale. In order to ensure stability, all structures have been appropriately designed to withstand 9+ earthquake impact.

4. Diversion system:

No Diversion Tunnel has been provided. The water has been diverted through the river using divider wall upstream and downstream coffer dam.