

# **Educational Visit to Tungabhadra Barrage**

## **Department of Civil Engineering**

**II-Year Civil students** visited Tungabhadra barrage, located at Sunkesulaas an educational tour on 9.2.2013. This helped the students to acquire the knowledge regarding the construction of the barrage and work flow of construction. The Salient features of the barrage are as follows:

### **SPILLWAY**

Design flood discharge	:	525000 Cusecs
No. of Gates	:	30 radial
Size of Gates	:	18.00m*7.00m
Crest Level	:	+285.00m

### **SCOURING SLUICE**

Design Discharge	:	33300 Cusecs
No. of Gates	:	4 Vertical
Size of Gates	:	10.00m*3.50m
Sill Level	:	+284.500m

EARTH BUND LENGTH : 1167m

FLOOD BANK LENGTH : 3265m

### **RESERVOIR**

Full Reservoir Level	:	+292.00m
Storage Capacity	:	1.2 TMC

### **K.C.CANAL**

Length of Main Canal	:	305.60km
Ayacut- Kurnool Dist	:	184272 Acres
Ayacut- Kadapa Dist	:	80550 Acres

### **HEAD REGULATOR**

Design Discharge	:	3850 Cusecs
No. of Gates	:	4 Vertical
Size of Gates	:	8.50m*2.50m

Sill level : +285.770m

This tour was guided by Sri. E. JeevanGoud, Sri. M. RamaKrishna, Sri. M. Anil Kumar, faculty of civil and mechanical engineering department.

