



SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

Report on Guest Lecture by Dr P.NAGESWAR RAO ,
SENIOR HYDROLOGIST,CENTRAL GROUND WATER BOARD Hyderabad.

Name of the Guest Faculty: Dr P.Nageswar Rao

Designation: Senior Hydrologist (Central Ground Water Board)

Topic: Estimation of ground water

Date of Guest Lecture: 22/08/16

Time: 11:00 am to 12:30 pm

The Guest arrived to the campus at 11:00 AM and was received by Dr. G. Subba Rao, HoD-CE. The session started exactly at 11:10 AM in the seminar hall by inviting the guest by HoD on to the dias. A brief introduction about the guest is given by Dr. G. Subba Rao.

The Guest **Dr P. Nageswar Rao** spoken on the ground water potential area in Telangana he elaborated use age on ground water is 13% and availability of ground water is 4% in india as compared to world. aquifer are mapped by central ground water board which help in identification of potential zones . Ground water monitoring taken by central ground water board showed that karimnagar and medak districts recorded deeper ground water level when compared with others .

Ground water quality in urbar areas was showing pollution due to sewage and untreated waste water from industries. shallow and deep ground water get polluted due to organic solids ,inorganic like iron nitrogen sulphure are recorded in many districts he also discussed the fluoride problem in nalgonda dist

The speaker elobrated the following challenges for ground water availability

- 1.over exploration
- 2.depleting ground water level due to drought
- 3.increase in population
- 4.pollution
5. Water logging

The remedies for the ground water challenges are

1. Treatment to waste water is required other than drinking
2. Economical use age of ground water

Finally he gave conclusion that treatment is required for disposal of waste water on the surface of earth and water bodies and preventive measures should be taken to increase the ground water.

At the end, HoD thanked the Guest for addressing the gathering in seminar hall and sharing his valuable thoughts and spending his valuable time with all the students. Vote of thanks was given to the Guest by Professor Prathap Reddy.

FEED BACK:

Excellent	-	05	Very Good	-	05
Good	-	11	Average	-	10