

16/09/2019

DEPARTMENT OF CIVIL ENGINEERING

A Report on Guest Lecture on "Significance of Kaleswaram project in Telangana state"

A Guest Lecture was conducted by the Dept of Civil Engineering on 14/09/2019 by Mr K. Rahul Reddy, Reliable Environmental Services, Hyderabad on the topic "Significance of Kaleswaram project in Telangana state" which is the pride of Telangana State. The students of II, III & IV Year are present in the lecture. The points that are presented by the guest are as below.

He started his lecture by defining the lift irrigation that when the main source is at the lower level than the supply level, then water cannot be transported by natural flow water is supplied through some mechanical means which is known as lift irrigation.

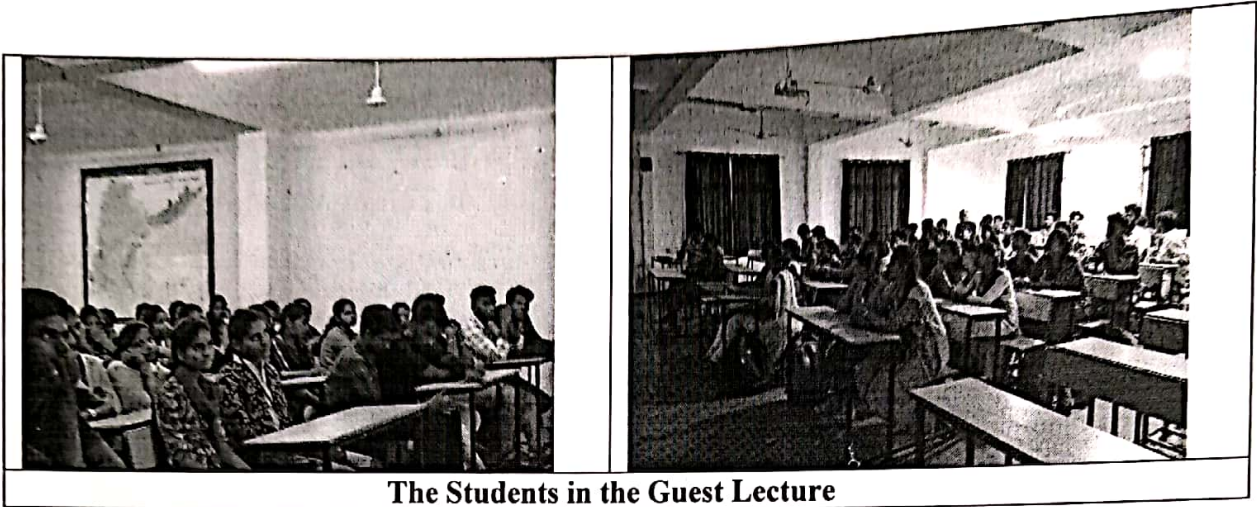
Kaleswaram project is being built in Telangana by State government and has been recorded has a biggest project ever took by any state government. The project was initially built and mainly serve the purpose of irrigation sense the supply of water level is in the lower elevation than the that of the area of demand and project is classified as a lift irrigation project since there are many motors used in order to make the water flow from The downstream to upstream the project has been classified into the seven links out of which two links are completed till now.

He also explained that the execution of the Kaleswaram Lift Irrigation Project is very significant for Telangana to meet all the water needs of Telangana state and to irrigate around 18,00,000 acres of new land and 18,00,000 acres of existing agricultural fields. And also to meet the public demand of water in the region of Telangana by constructing no of barrages and head works to divert the water and also many reasons motors for the purpose of lift irrigation along with means of tunnels and canals.

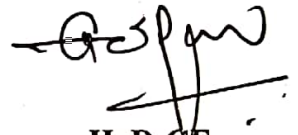
The Significance of project is as follows:

- It has the longest tunnel to carry water in Asia - 81 km between the Yellampally barrage and the Mallannasagar reservoir
- Consist of the heaviest uplifting force motors in the world.
- The project irrigates around 7.4 lakh hectares of land...
- Costliest irrigation projects ever taken up by any state governments.
- Longest run canals in Asia
- Longest run tunnel water supply in the world.

At last, HoD thanked the speaker for sparing his time in delivering the valuable lecture which is helpful to the students.



The Students in the Guest Lecture



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