

Report on "Industrial visit to Pattisam and Polavaram project" organized by department of Civil engineering, Ramachandra College of Engineering, Eluru on $3^{\rm rd}$ February of 2018.

The one Day Industrial visit to Pattisam and Polavaram project was started from Eluru main bus stand.

Organized by : **Department of civil engineering**,

Ramachandra College of Engineering, Eluru.

Place of visit : Pattisam and Polavaram Project

Date : 03rd February 2018.



Students of II B.TECH CIVIL ENGINEERING DEPARTMENT total of 55 students accompanied with 3 staff members went to the industrial visit and tour was started with our beloved HOD wishes, Principal and Management encouragement.



First we visited Polavaram Project in Polavaram Mandal inspect the Site & Had a Clear







Pattisam Lift Irrigation Project in Polavaram mandal. Water resources department engineer Ms.Ch.Lakshmi gave permission to visit the site and explained about project and its construction procedure.







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She explained that "A Unlike other irrigation projects, which had to be given several extensions, the PLIS has been completed in the stipulated time of one year. This is the first time that foundations were designed with diaphragm walls in the irrigation sector. The diaphragm wall design was used either in metro rails or in ports. The design also facilitated working simultaneously on both the substructure and the super structure which consisted of two slabs one for the pump and the other for the motor. Another first was that it was commissioned well



before completion. In 161 days the first pump set was commissioned and water was delivered from the Godavari into the Polavaram Right Main Canal on September 18, 2015".

Additional four pumps sets were commissioned and successfully run right up to December 8, 2015 lifting water to cater to the needs of farmers in Krishna and Guntur districts. "Usually the benefit of an irrigation project can be seen only after completion, but with the PLIS farmers benefited even before the project was completed," she said.

After that we have visited the delivery point of the pattiseem lift irrigation which is directly connects to the Polavaram Right Main Canal which is leading to Krishna river meeting at Ibrahim patnam, Vijayawada.





After the completion of pattisam project, next went to the polavaram project site which is under construction. Explained about the site and construction process we return from project site.



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Before return back to Eluru we went to the cotton museum which is situated at Dowleswaram. Sir Arthur cotton is the man who saved many people by constructing the Dowleswaram barrage in Godavari districts. Cotton is revered in the Godavari District for making it the 'rice bowl' of Andhra Pradesh. Cotton is widely known as the 'Delta Architect' of the Godavari District because of his pioneering works in irrigation engineering through his construction of the anicut system.

Many pictures of Sir Arthur cotton were displayed in that museum. The struggle of people before construction of the structure, cottons visit and survey, step wise procedure of construction of the project were painted and displayed in that museum. Many models of Godavari delta, some structural equipment were displayed.











After completion of museum visit, getting a good knowledge about pattisam project, construction of polavaram project return back to the Eluru.

We are very glad that we have a good opportunity to learn about different things in the form of industrial visit. We are very thankful to the management, principal, department Hod and staff members. Some of the industrial visit pictures were shown below.









