



MOTHER TERESA
INSTITUTE OF SCIENCE AND TECHNOLOGY
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SANKETIKA NAGAR, KOTHURU (V), SATHUPALLY – 507303, KHAMMAM Dist., TELANGANA
Phone : 9494641251, Email ID : info@mistech.ac.in



DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR: 2018-19

A SUMMARY REPORT

Course Name: IRRIGATION AND HYDRAULIC STRUCTURES

Name of the Resource Person: Mr. Haroon Alikhan, Assistant Professor,
V. R. Siddaradha Engineering College, Vijayawada.

Gap Identified: Different types of falls.

No. of Students attended: 25 members

Summary: On the day of the session (i.e 27-10-2018) Mr. Haroon Alikhan, Assistant Professor, V. R. Siddaradha Engineering College, Vijayawada. Delivered a lecture on the basics of Introduction to the course of Types of Canal Falls and their Importance of Canal fall is a solid masonry structure which is constructed on the canal if the natural ground slope is steeper than the designed channel bed slope. If the difference in slope is smaller, a single fall can be constructed. If it is of higher then falls are constructed at regular suitable intervals.

Location of canal fall depends upon the following factors

- i. Topography of canal
- ii. Economy of excavation or filling



The above two will decide the location of canal fall across canal. By understanding topographic condition we can provide the required type of fall which will give good results. At the same time, the provided falls is economical and more useful. So, economical calculation is also important. Unbalanced earth works on upstream and downstream result the project more uneconomical.

In the afternoon session, he explained the practical exposure of The important types of falls which were used in olden days and those which are being used in modern days are described below:

- Ogee falls
- Rapids
- Stepped falls
- Trapezoidal notch falls
- Well type falls
- Simple vertical drop falls
- Straight glacis falls
- Montague type falls
- English falls or baffle falls