VISHVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", MACHE, BELAGAVI-590018

A Project Report

On

" EXTENSIVE SURVEY PROJECT "

Submitted in partial fulfillment for the requirement of the award of degree

BACHELOR OF ENGINEERING
IN
CIVIL ENGINERING

Submitted By

BATCH- 01

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PRINCIPAL
SIET. TUMKUR.

DEPARTMENT OF CIVIL ENGINEERING

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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2022-23

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An ISO 9001:2008 Certified Institution)
Sira Road, Tumakuru – 572 106.Karnataka.

SHRIDEVI

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the project work entitled " Extensive Survey Project **(18CVEP68)** carried out by **Batch No (** ;V19CV , 20CV & 21CV) bonafide student's of Shridevi Institute of Engineering and Technolog makuru-572106, in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of tl sveswaraya Technological University, Jnana Sangama, Belagavi-590018, during the academic year 202 23. It is certified that all corrections/suggestion indicated for Internal Assessment have been incorporated report. The Project report has been approved as it satisfies the academic requirements in respect of Extensi rvey Project work prescribed for the said Degree.

Signature of the Camp Officer M: Prakash J Ass: Professor	gnature of the HOD . **Mahesh Kumar G** Professor & HOD Dept. of Civil Engg	PRINCIPAL SIET. TUMKUR. Signature of the Principal **Dr. Narendra Viswanath** Principal SIET , Tumkur

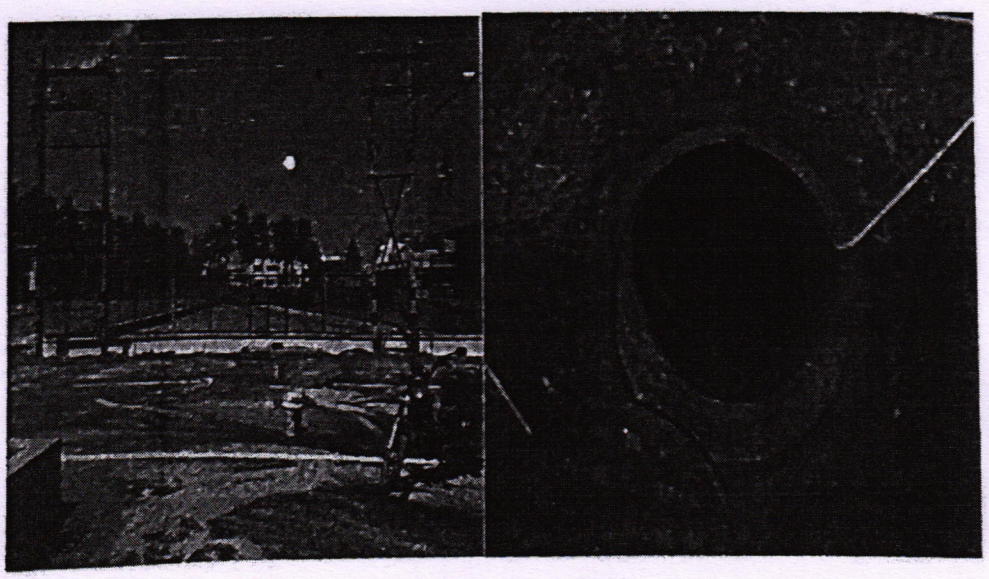
EXTERNAL VIVA VOCE:

ame of Examiners		**Signature with Date :**
1. Dr. C. Nagaraj	PRINCIPAL SIET. TUMKUR.	C. Nagaraj 21/7/23

ANALYSIS AND APPROVAL

5.1COMPONENTS OF LAYOUT PLANNING

- Roads
- Drainage
- Electricity
- Parks
- Community amenities
- Manholes



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Surplus Weir or Waste Weir:

Ryve's formula:

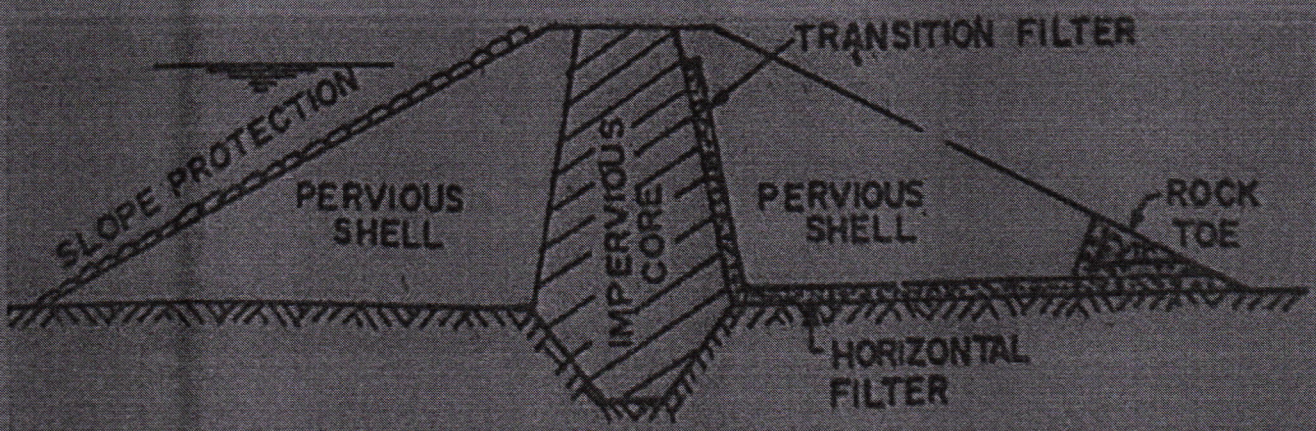
Calculation of Yield at the Site:

Impervious Core:

slope protection. A thin layer of gravel backing of 0.2 to 0.5m is provided.

Diversion Head Works:

Diversion head works include the construction of waste weir to dispose of the surplus water. The waste weir is constructed to dispose of the excess water during flood seasons. Length of the weir should be such that the quantity of water estimated as the maximum flood discharge likely to enter from the catchments into the tank can be disposed of with a depth of water over the weir equally to the difference between them. W.L and T.T.L. Waste weir acts as a safety valve. Waste weir should be properly designed and must have adequate capacity to dispose of the entire surplus water at the time of worst design period.



TYPICAL CROSS-SECTION OF EARTHEN DAM

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