

Office of the Chief Engineer ,
Investigation & Design [IDRB],
Vikas Bhavan,
Thiruvananthapuram,
Dated: 06-11-2014

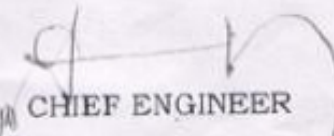
CIRCULAR

Sub:- Investigation and Survey for Irrigation Structures- connecting
Bench Mark to Mean Sea Level - Standardization- reg-

A GIS lab is functioning in IDRB and compilation of the Water Resources of the state, including irrigation structures, are being carried out. It is noticed that most of the surveys, investigations, etc for different irrigation structures are being carried out by establishing temporary Bench Marks, established without connecting the datum to MSL (Mean Sea Level). The locations furnished from field offices, for different irrigation structures do not usually fall in the respective rivers, thodu etc. Hence it is essential to standardize the format for establishing BM (Bench Mark) by connecting it to MSL for each work.

Hence the following directions are to be adhered to, during the investigations of all structures, under the department, for enabling the embedding of the structure in a common GIS platform.

- 1) Geo positions of the structure are to be accurately assessed.
- 2) Establishment of BM, conducting of survey, etc are to be carried out with reference to MSL for each work by connecting to the permanent BM.
- 3) Soft copies of the total station survey, including the position of structure, are to be furnished to this office.


CHIEF ENGINEER

Copy to

The Chief Engineer, Irrigation & Administration Thiruvananthapuram

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