

**HIGHER TECHNICAL INSTITUTE**

**CIVIL ENGINEERING DEPARTMENT**

**DIPLOMA PROJECT**

**PRODUCTION OF A TOPOGRAPHICAL MAP**

**C/885**

**BY**

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## SUMMARY

The object of this project is to produce a topographical map of an area. The area mapped lies in Dhali area. A selection of the most suitable stations was made after a reconnaissance survey of the area.

The first step was the close traverse survey, which was done by using the DI1600 Distomat.

The second step was to detailed the area by taking all the existing features by the method of tacheometry, using the same instrument which we have used for the traverse survey.

The following step was the levelling which was done in two stages:

1. Ordinary levelling
2. Grid levelling (Contouring).

At the grid levelling stage the contour lines were drawn every 1.0 intervals.

The following maps were drawn:

1. Traverse
2. Detailing and traverse
3. Levelling and contouring
4. Final Drawing.

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