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Temporary Work

A. A. - Dady

Sellabus :- Timbring in Treaches, shoring, underpinning scoffolding, shuttering and form work for Rid.c., centering for arenes.

Introduction: — Any stoucture that is not attached to a pernanent foundation. A structure which is permitted within a load use district without any foundation or forting and which is removed when the designated time period, activity, or use for which the temporary structure was exected has ceased.

Timbering of Trenches 1- Whan

\* When depth of trench is large are or when the sub-soil is loose the sides to of the trench may come in the problem can be solved by adopting a suitable method of timbering.

\* Timbering of trench sometime also known as shoring consist of providing timber plank or boards and strutt and to give temportary support to the sides of the trench

The methods are used -

Box sheeting

Wertical sheeting.

is sheet pilling.

1) Stay Bracing:

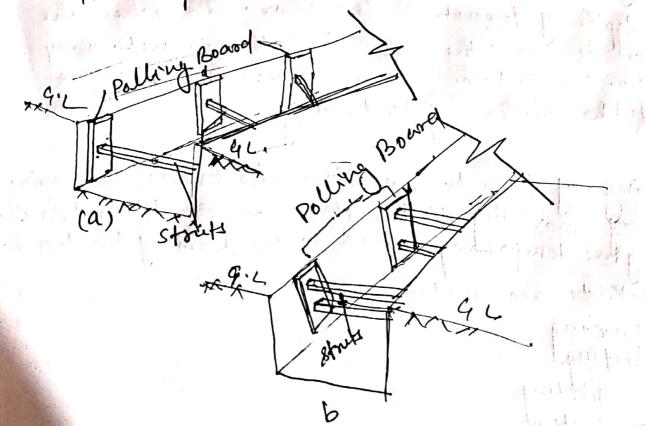
(a) This method is used for sopporting the sides or a bench excavated in fairly firm soil. Twhen the depth of excavation close not about two to metres.

(b.) The reacthed consists of pleuring verrtical wheets.

called shearing our polling boards opposite each other against the two walls of the trench and holding them in position by one one two Rows of the trent.

(c.) The sheets are placed at an enterval of 2-4 m. and generally they extend to the full hight of the trench.

(d.) The polling bound may have toli width of about 200 mm, and thickness 40-50 mm. The strut's may have size 100 x 100 mm for for trench up to 2 m. with width and 200 x 200 mm for trench up to 4 m width.



vertical sheeting 8 -(a) This system is adopted for deep trenches (up to 10m elepth) in soft ground. (b.) The method is similar to the box sheeting except that the excavation is carried out in stage and at the end of each stage, an offeset is provided, so that the widther of the trench goes on decreasing as the depth encreses (c.) Each stage is limited to about 8m. In hight and the offset may very from 25-50 cm per stage. for each stage, separate vertical sheeting, supported by herizontal waiting and struts are provided, (Tge. 5) figure \ Kunner System This system is used in extremely loose support as excavortion progresses. The system is by similar to vartical sheating of box system, except that in the place of vertical sheeting, Runner, made of long thick wroden vontreal sneeting sheets or planks with eron shoes at the are provided as usual. These runners of arre driven about so en in advance of the progress of the work, by funn hummening Soll to be Excemeted Runner sheetily

Horizontal Sheeting

Shart piling

- the method is adoped is when -
  - (1) Soil to be excavation is soft or loose
  - (ii) Depth of excavation is large (iv) where is sub soil water
- (b) Their piles are designed to resist lateral earth pressure. There are driven in the ground by mechnical means (pile driving expequipment). They can be used for excavating to a large dupth.

