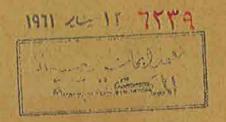
معطُري شياد



مشروع الدود المحيطة HBRC

House & Since 1954

D 1

A 33

197-

ملحق رقسم ٩

1971 212 11 7559 مشروع السدود المحيدات جاری نعرسے ہے مديعملنجا شالباء الوزكة القوي لدعوث المنكان والعالم الماكات المناسب Since 1957

197.

Cofferdams and Caissons

1 - General

1.1 Scope. These provisions apply to cofferdams and caissons used for execution of foundations below water level in rivers - herbours or in waterlogged ground which necessitates lateral support of excavation. Their function is to provide a space down to foundation level from which water is excluded and the earth removed to permit the execution of the work.

They are employed for bridge piers - dock structures - dams and foundation of buildings.

1.2 Preliminary investigations.

Selection of coffordam type or caisson should be made after carefull investigation of the ground, such as site investigations, borings, samples tested, permeability and strength of the soil considered, to determine the depth to which cofferdam sheeting should be driven to ensure stability and to cut off any excessive flow of water into the dam in order to eliminate danger of a blow.

In rivers and tidal waters, heights of tides, flood levels current velocities, wave action, should be carefully studied.

2 - Materials and stesses

2.1 <u>Timber</u> - The usual structural timbers used for cofferdams are pitch-pine if avaialable or Swedish wood or any similar hard wood.