

(PREVIEW)

IS : 9120 – 1979

Indian Standard

GUIDELINES FOR PLANNING, LAYOUT AND DESIGN OF CAVITIES IN UNDERGROUND HYDROELECTRIC POWER STATIONS

1. SCOPE

1.1 This standard covers the guidelines for planning, layout and design of cavities in underground hydroelectric power stations.

FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 29 March 1979, after the draft finalized by the Hydro-Electric Power House Structures Sectional Committee had been approved by the Civil Engineering Division Council.

0.2 With the progressive harnessing of the hydroelectric potential in the country an increasingly large number of underground hydroelectric power stations are being built. These stations are housed in underground cavities in order to utilize the available head at places where surface hydroelectric power station construction is not possible. The importance of laying down guidelines for planning and layout of these cavities is evident considering the huge investment being made in constructing underground hydroelectric power stations and the economy that can be effected by following these guidelines.