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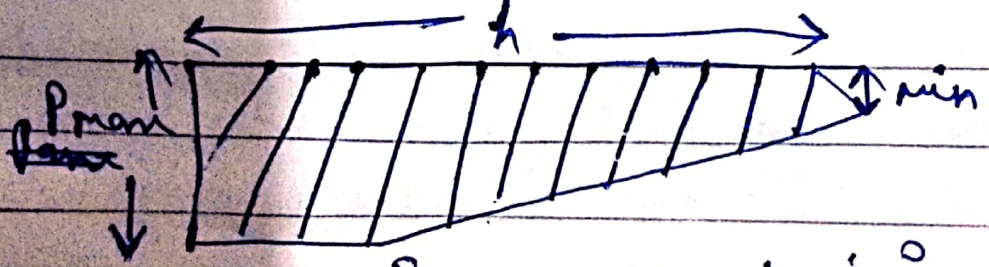
*. Stability Requirements ⇒ The forces act on a retaining wall. The following Requirments should Be Compiled for the stability of Rebaining wall.

1. Stabilizing moment ⇒ The sum of vertical loads dis composed of Bank fill on the Hell

2. overturing moment ⇒ it is equald to the horizonbal component of earth pressure

$$P_{ah} = \frac{H}{3}$$



forces on rebaining wall

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3. Factor of Safety :- According to Clause of IS 456, 2000 The stability of a structure as a whole against overturning shall be ensured so that the Restoring moment The vertical pressure on the soil under the Base should not exceed the permissible Bearing on soil