Design discharge (in cumec)   
 =15108

TW level (in meter)   
 =18

Basin width (in cumec)   
 =200

Elevation of ground (in meter)   
 =0

Velocity at the foot of the spillway (in meter/sec)   
 =22

i) Determine the initial depth h1 using the eqn h1= Q/BU1 (in meter)   
 =3.43364

ii)Find the upstream Froude number Fr1.   
 =3.79063

iii) Compute the sequent depth h2 using the formula h2/h1 = 1/2 (âˆš(1+8Fr\_1^2 )-1)   
 =4.88402

Design discharge (Q) (in cumec)   
 =15108

TW level (ht) (in meter)   
 =18

Initial depth (h1) (in meter)   
 =3.43364

Froude number (Fr1)   
 =3.79063

Sequent depth (h2) (in meter)   
 =16.77

Floor elevation Length of basin (L) (in meter)   
 =59.4137