

# Micro water project

Hattfjelldal, Norway, 12 marts. 2017

Water conservations project out in small village is also sometime possible, with channelising water form remote surrounding, in to the valley where people now live. First considerations, is cost of benefit - The world Bank have make a benchmark to limit the final cost. If a project need externally investment, will the price per cubic-meter delivered water should be kept below 1 USD/m<sup>3</sup>. This will some time be a challenge to maintain this goals, and it's why the final user sometime, need to look at alternative to realise at a alternative final layout, for use of delivered water.

In India and Pakistan exist today possibly smaller project, their will fulfils above, their a village will grow from 30 - 50 family to over hundred after a water-project is established. If a dray district do make a water project, will it be possibly to turnaround the local production, from one type of farming technique, to a more suitably conservative water-demanding food production. By use of Aquaponic systems, will it be possibly to reduce the water consumption by 80%, for same amount of final food production.

Shortly investments calculations will be the cubic-meter delivered, over a time-frame at 20 years, not should past 1 USD/m<sup>3</sup>. So if the project do deliver 200 cubic-meter per day, must the final project maximum cost (200 x 365 x 20) 1,5 million USD. Additional investment in farming facility will be additional, and some time covered by local businessmen, their see a suitably business opportunity, in grow/have food production.

200 USD/m<sup>3</sup> in Aquaponic system is possibly to deliver around 20 tons of food, like vegetables and fish, each day. And the final water-cost per kilogram of food will be kept below 1 to 2 cent/USD final sales kilogram marked product. Additional will come labour, and farming investment.

A suitably water-project, like described above, will possibly to feed around 4.000 inhabitant, and make many well payee jobs, and give a local grow in wealth. This will be the correct argument to local government to initialize this type of project.

Water For Life Org. do want to be a partner, to realize this type of projects, together with our beneficial HCM Development AS. Need material in the entrance face, will be collecting of local acknowledge, like maps, photo, descriptions of community, weather historic, neighbour distance and suitably marked potential, of raising of food production.



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Sincerely  
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