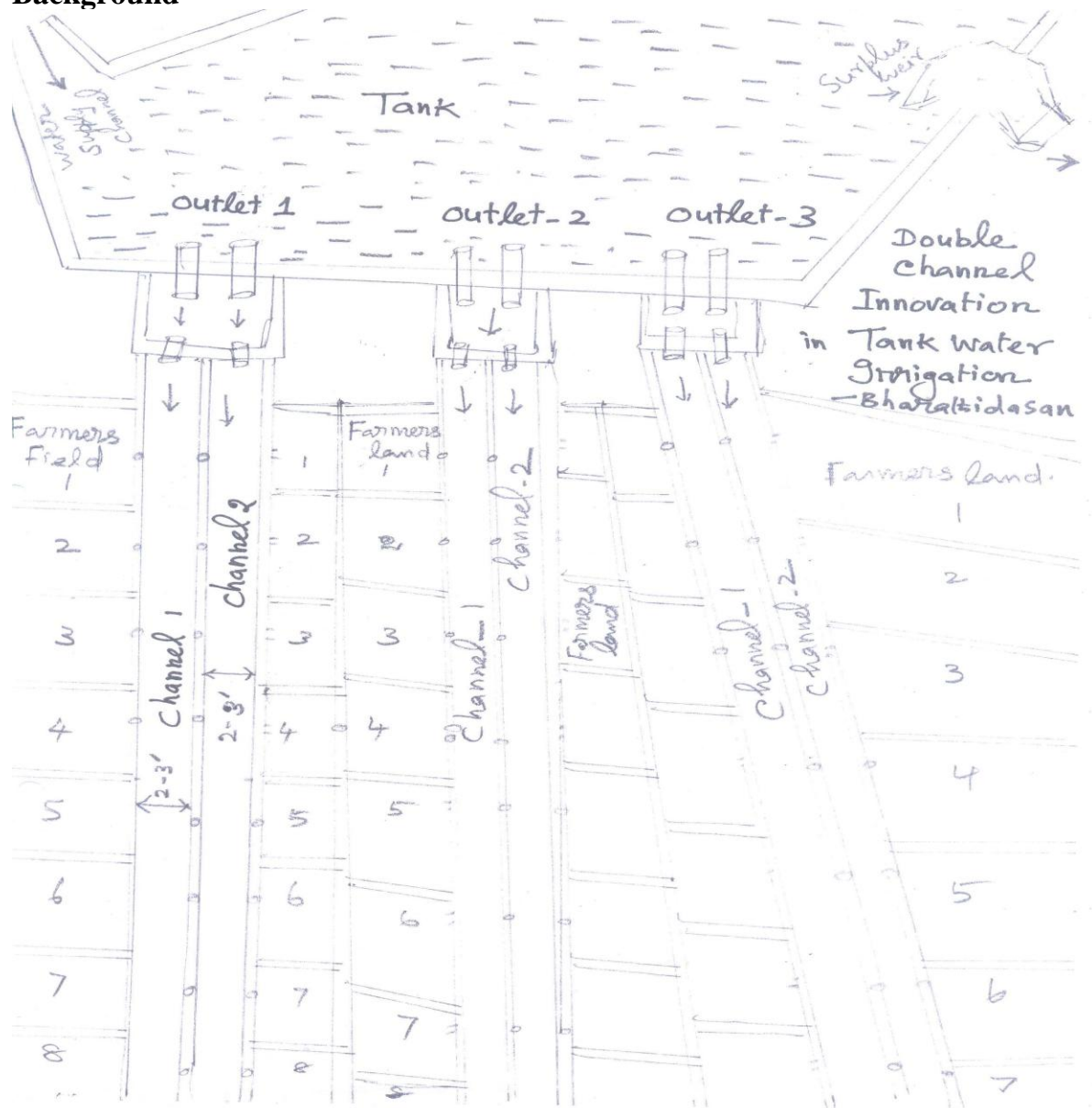


## Double Channel system for Tank Irrigation – A concept for rainfed Paddy crop

Developed by India Bharathidasan

Mr. India Bharathidasan (42) studied up to 7<sup>th</sup> standard in Thanjakur village of Sivagangai District. He is cultivating 3 acres of garden land. He has developed many unique practices in agriculture in weeding, irrigation which conserve labour and time. He recently developed a concept of irrigation where tank water is utilized for raising paddy crop.

### Background



In Sivagangai and Ramnad District farmers depend up on rain water harvesting structures viz. tank for raising paddy . Usually there will be a single channel to irrigate different farmers fields. Those fields situate near by tank will be irrigated first while the tail end farmers may get little water some times crop will be withered due to water shortage. In order to distribute evenly the available water instead of single channel the innovator conceived the idea of double channel. The first channel will be utilized for first half of farmers while the second channel for the second half of field will be used for tail end farmers. The width of channels are 2-3' feet width and 3' depth. 10" pipes will be placed under ground for letting out water to the field as outlets. This system will ensure irrigation is completed with in 6-7 hours for all farmers whether they are adjacent or far away from the water source ie. tank . This will ease the irrigation method when more than 30 acres of land is irrigated.

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