

APPLICATION AND USES OF SMART

DRIP IRRIGATION SYSTEM

1. Agriculture plays a major role in India. To make sustainable use of resources and environment, this method is proposed.
2. This will save water, using required amounts of water depending on the water levels present. Also human labour and manpower can be reduced.
3. There will be constant monitoring of water levels and any kind of anomaly developed within the crops. Further imposition of a GSM/CDMA module will help in real time information sharing/messaging service between farmer and system.
4. As it is wireless, farmers can easily use any type of Near Field Communications(NFCs) that will be bundled with the devices. Time saving approach intended.
5. Effective for large fields and dry conditions.
6. The setup can be only used for crops suitable for drip irrigation like orchard crops,oil seeds etc. Crops like paddy cannot be used.
7. Better production rates,applicability,easy user control and cost effective.
8. One time investment. Better for long run.