Manual Irrigation - using buckets or watering cans
These systems have low requirements for infrastructure and technical equipment but need high labour inputs. Irrigation using watering cans is to be found, for example, in most rural areas and peri-urban agriculture around large cities.

Mission Statement
To enable improvement in agricultural productivity, production and prosperity through the provision of reliable, efficient and affordable irrigation and related services to farmers and other customers while ensuring the viability of the Commission.

Types of Irrigation Systems

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Types of Irrigation Systems

Irrigation is an artificial application of water to the soil usually for assisting in growing of crops. Some types of irrigation systems include:
- Surface Irrigation
- Sprinkler Irrigation
- Drip Irrigation
- Centre Pivot Irrigation
- Manual Irrigation - using buckets or watering cans

Surface Irrigation

In surface irrigation, water moves over and across the land by simple gravity flow in order to wet and infiltrate the soil. Surface irrigation can be divided into furrow, border strip or basin irrigation. It is often called flood irrigation when it results in flooding or near flood of the cultivated land.

Sprinkler Irrigation

Sprinkler irrigation is another popular method, which pipes a set amount of water to the fields, and then sprays this directly over the crops with high pressure sprinklers. The amount of water can be closely controlled, which is a huge benefit.

Drip Irrigation

Drip irrigation, also known as trickle irrigation, functions as its name suggests. Water is delivered at or near the root zone of plants, drop by drop. This method can be the most water-efficient method of irrigation, if managed properly, since evaporation and runoff are minimized. In modern agriculture, drip irrigation is often combined with plastic mulch, further reducing evaporation, and is also a means of delivery of fertilizer. The process is known as fertigation.

Centre-Pivot Irrigation

Centre-pivot irrigation involves a self-propelled system in which a single pipeline supported by a row of mobile towers is suspended 2 to 4 meters above ground. Water is pumped into the central pipe and as the towers rotate slowly around the pivot point, a large circular area is irrigated. Sprinkler nozzles mounted on or suspended from the pipeline distribute water under pressure as the pipeline rotates. The nozzles are graduated small to large so that the faster moving outer circle receives the same amount of water as the slower moving ones on the inside.