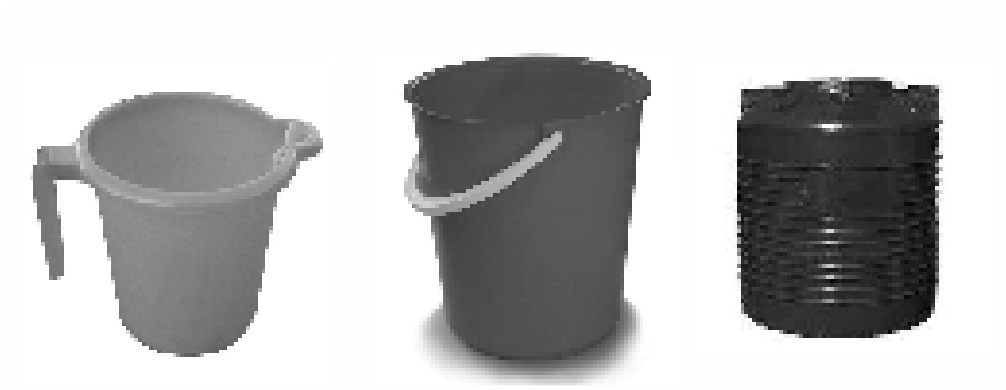


Sector: Plastic & Polymer Products

## Blow-Moulded Plastic Products

### Introduction:

Plastic Products are used in all Households in varying forms like Jugs, Mugs, Buckets, Storage Tanks etc. Besides Plastic products are required for industries and many other uses. There is great demand of Blow Moulded Plastic items and this industry has been growing at a fast pace. Huge number of Plastic Storage Water Tanks are required, the world over. This unit can be installed successfully anywhere in the country.



### Production Capacity/annum:

**Quantity:** 30 MTs  
**Value:** 90.00 lac

## Production Process:

Plastic Raw Material in the form of HDPE granules are firstly heated and pressured in an extruder and then semi-molten plastic is passed through the nozzle known as parison. Thickness of parison should be adjusted to control the weight of product. Parison is then inserted into a female mould and air is blown into parison to force the molten plastic against the sides of the mould. The finished material is then cooled before removing from the mould. Finally the product is cleaned and smoothened by grinding and polishing.

## Infrastructure required:

- a) **Land and Building** (Area required): 4000 Sq.ft.
- b) **Plant & Machinery / Equipments:**
  - (i) Compressor
  - (ii) Extrusion Blow Moulding Machine
  - (iii) Moulds Closing and Opening Unit with Hydraulic System
  - (iv) Moulds & Dies
  - (v) Water Pump
- c) **Raw Material & Consumables:**
  - (i) HDPE and LDPE Polymers
  - (ii) Pigments
  - (iii) Colours
  - (iv) PVC
- d) **Powerload:** 30 kw.
- e) **Water** (per shift basis): 3000 Ltrs.

## Manpower required:

- Manager: 1No.
- Supervisor: 1No.
- Skilled Workers: 3Nos.
- Other Workers: 5Nos.
- Total Manpower: 10Nos.**

## Investment required:

### a) Fixed Investment:

Land & Building:	Owned or rented.
Plant & Machinery:	Rs. 20.00 lac.
Furniture & Fixtures:	Rs. 01.00 lac.
Other Fixed Assets:	Rs. 04.00 lac.
<b>Capital Investment:</b>	<b>Rs. 25.00 lac.</b>
<b>Working Capital:</b>	<b>Rs. 15.00 lac.</b>
<b>Total Investment:</b>	<b>Rs. 40.00 lac.</b>

**Loan Amount required:** Rs. 30.00 lac.  
(75% of investment)

**Expected Annual Profit:** Rs. 15.00 lac.  
(before tax.)

<b>Estimated Annual Income:</b>	<b>Rs. 90.00 lac.</b>
<b>Estimated Annual Expenditure:</b>	<b>Rs. 75.00 lac.</b>
<b>Net Profit Per Annum (before tax):</b>	<b>Rs. 15.00 lac.</b>