

DEHYDRATED ONION AND GARLIC



Production capacity/annum

300 M.T.

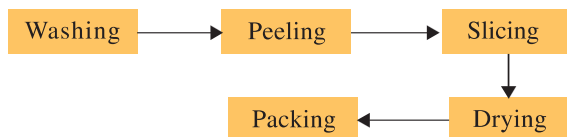
Production process

Onions are washed thoroughly in agitated water to remove dirt, dust etc. Washed onions are hand-peeled by particular knives. Peeled onions are cut into suitable thickness of slices. Then slices are subjected to drying in shielded driers. After reduction of moisture of 10%, onion slices are further dried into bin driers under very low pressure/temperature. Properly dried onion flakes now brought to colour and wholesness and packed.

Kibbled onions are prepared from dehydrated onions flakes by kibbling them into kibbling machine. Onion powder is prepared from dehydrated onion flakes made from small onions. Dehydrated Garlic- Big Garlic bulbs are first subjected to cracking in garlic huller, immediately followed by clove grading operation. Graded cloves are subjected to flaking or chopping as desired, under continuous stream of water. Washed, flaked garlic cloves are spread over drier and subjected to drying into shielded drier. Further drying is carried out in Bindriers. Dried cloves/flakes are now sorted to remove dark coloured burnt and damaged flakes. Then they are taken for packing.

Garlic grits are prepared from broken pieces of garlic cloves. Black garlic flakes are sorted out from dried garlic flakes.

Process flow chart



Garlic Flakes



Machinery & equipment required

• Onion bulb grader	1
• Abrasive peeler	1
• Onion washing machine	1
• Onion Rotary slicer	1
• Shield driers	4
• Bin driers	14
• Kibbling machine	1
• Garlic bulb cracker	1
• Garlic bulb/clove grader	1
• Garlic Flaker	1
• Garlic Chopper	1
• Garlic skin removing machine	2

Raw material/consumables required

- Fresh Onions, Fresh Garlic and chemicals

Utilities required

Power required (load)	:	20 KW
Water required (per shift basis)	:	9000 litres

Manpower required

Supervisor:	:	1 No.
Skilled:	:	2 Nos.
Unskilled:	:	10 Nos.

Area required

Total Area	:	1000 Sq. Mtr.
Covered Area	:	500 Sq. Mtr.

Investment required

Machinery & Equipment	:	} ₹ 35.1 Lakhs
Working Capital for 3 Months	:	
(Raw material, utilities & salary)	:	