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Branch:- CCSE 2<sup>nd</sup> year (ME 2<sup>nd</sup> year)

Topic:- Pressure cooker.

18  
30

III<sup>rd</sup>

3<sup>rd</sup> Shift  
25/4/24

\* Scope:- The standard covers the requirements for domestic pressure cooker.

\* Terminology:- The purpose of this standard, the following definition will apply.

★ Definition:- A pressure cooker is a sealed pot with a valve that controls the steam pressure inside. It cooks food faster than conventional methods by raising the boiling point of water, which allows for faster cooking times.

### Manufacturing =

1. Design and engineering:- Creating a design that balance efficiency, ~~cost~~ safety, and durability is crucial.

Engineers carefully consider material, safety features, and usability during this phase.

2. Material selection:- High-quality materials such as stainless steel is chosen for their durability, heat conducting, and resistance to corrosion.

3. Fabrication:- The selected materials are fabricated into the various components of the pressure cooker ~~parts~~ including the pot ~~and~~ lid and safety mechanism.

4) Assembly :- Skilled workers assemble the component ensuring proper alignment and functionality. the same of P. other

5) Quality Control :- ~~String~~ Stringent quality control measures are implemented throughout the manufacturing process to ensure that each pressure cooker meets safety and performance standard.

6) Testing :- Pressure cooker undergo rigorous testing to verify their safety and performance under various conditions including pressure and temperature extremes. (The testing should be done by or sealed by BIS) [BUREAU of INDIAN STANDARD]

7) Packing :- Once the pressure cookers pass inspection of (BIS), they are packaged and prepared for distribution.

\* Customer Support :- Providing comprehensive customer support, including warranties, guarantees and troubleshooting assistance, ensures customer satisfaction and loyalty. The warranty and guarantee should be provided to be is between 2-3 years.

## Table of Sampling

No. of Pressure Cooker in slot	Sample size	Acceptance No.	Sub-sample for Physical test.
upto 50	8	0	3
51-90	13	0	5
91-150	20	1	5
151-280	32	2	8
281-500	50	3	8
501-1200	80	5	8
1201-3200	125	7	13
3201 & above	200	10	13

## Important Safeguards

The instruction of manual shall include the following:- ~~using~~

When using pressure cooker basic safety precautions ~~should~~ always be followed

\* Read all the instructions before use.

1) Before sealing the cooker it should be insure that the steam starts coming out of the vent pipe of the cooker freely ~~and~~

2) Steel pressure cooker should not be used for deeply frying ~~on~~