

INDIRA PRIYADARSHINI GOVERNMENT DEGREE
COLLEGE(W)
NAMPALLY
DEPARTMENT OF CHEMISTRY
CERTIFICATE COURSE:2021-2022

TITLE OF THE COURSE: - Detergent Making for Entrepreneurship

NAME OF THE INSTRUCTOR: - Mrs. M.Haripriya. Lecturer in chemistry, GDC, Kodangal.

NAME OF THE ORGANIZER: D.Valli sowbhagyam, Lecturer in chemistry, IPGDC (W), Nampally, Hyd.

STUDENTS ENROLLED: - 50

AIMS & OBJECTIVES: -

- The objective of this training was to impart skills and knowledge for supplementary income to the families connected to this project.
- The participants learned to prepare Detergent, Clothes washer.
- Used today in various domestic households.
- Used to clean clothes.

APPARATUS: -

A big size container
A funnel
A beaker
A wooden stick
Oils and fats
Soda/Potash lye
Brine
Sodium Carbonate
Sodium Silicate

Dyes & Perfumes

RAW MATERIAL REQUIREMENTS:

The main raw materials required for the manufacturing of detergent powder & cake are acid slurry, soda ash, soda bicarb, sodium tripolyphosphate, soap stone, sodium silicate, sodium sulphate, synthetic dye etc. All these raw materials are produced & available in major parts of India without any difficulty. The choice of raw material and formula may vary according to the market to the condition and affordability of the consumers.

MANUFACTURING PROCESS:

For detergent powder, first of all powder raw material are screened in the required quantity and mixed uniformly. After this, acid slurry with dye is slowly poured on the mixture and mixture is mixed in a ribbon blender. The machine is run for about 15 minutes and then material is taken out, screened if required and packed in plastic bag.

For the production of detergent cake, required powder raw material are mixed and then extruded in the form of continuous bar and cut in the required size. Alternatively, to reduce the investment, individual bar can be stamped in a hand operative stamping machine. The cake is wrapped in a paper and sealed.

PHOTOS: -











INDIRA PRIYADARSHINI GOVERNMENT DEGREE COLLEGE FOR WOMEN
NAMPALLY, HYDERABAD - 500001, TS
 Accredited with B Grade by NAAC



Certificate Course

This is to certify that **J. MANASA**
 D/O **J. LAKSHMINTARASATH** has successfully completed
 certificate course in **DETERGENT MAKING** conducted by the
 Department / College **CHEMISTRY** from **14-8-2021** to **26-8-2021**
 organised with the collaboration of.....

Seal : DEPARTMENT OF CHEMISTRY
 Indira Priyadarshini Govt. Degree
 College for Women
 Nampally, Hyderabad-500 001.

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Handwritten signature
 CO-ORDINATOR

Date :

Handwritten signature
 PRINCIPAL