

Requirements of plant and equipment: Cosmetics

[Seventh Schedule]

List of categories of cosmetics for the purpose of grant of licence to manufacture for sale of cosmetic in the country

Category

- (A) Powders
- (B) Skin Powder for Infants
- (C) Creams, lotions, emulsions, pastes, cleansing milks, shampoos, pomade, brilliantine, shaving-creams and hair-oils, etc.
- (D) Nail Polishes and Nail Lacquers.
- (E) Lipsticks and Lipgloss.
- (F) Depilatories
- (G) Preparations used for Eyes
 - 1. Eyebrows, Eyelashes, Eyeliners.
 - 2. Kajal and surma.
- (H) Aerosol
- (I) Alcoholic Fragrance solutions
- (J) Hair Dyes
- (K) Tooth-powders and toothpastes, etc.
 - 1. Tooth-powder in General.
 - 2. Tooth pastes.
 - 3. Tooth — Powder (Black).
- (L) Toilet Soaps

The following equipment, area and other requirements are recommended for the manufacture of -

(A) Powders -Face-powder, cake make-up, compacts, face-packs, masks and rouges etc.

Equipments:

- (a) Powder mixer of suitable type provided with a dust collector.
- (b) Perfume and colour blender.
- (c) Sifter with sieves of suitable mesh size.
- (d) Ball mill of suitable grinder.
- (e) Trays and scoops (stainless steel).
- (f) Filling and sealing equipment provided with dust extractor.
- (g) For compacts:-
 - (i) a separate mixer
 - (ii) Compact pressing machine.
- (h) Weighing and measuring devices.
- (i) Storage tanks.

An area of 15 square metres is recommended. The section is to be provided with adequate exhaust fans.

(B) Skin Powder for Infants.-

Equipments:

- (a) Powder mixer of suitable type provided with a dust collector.
- (b) Perfume and colour blender.
- (c) Sifter with sieves of suitable mesh size.
- (d) Ball mill of suitable grinder.
- (e) Trays and scoops (stainless steel). Filling and sealing equipment provided with dust extractor.

(f) Weighing and measuring devices.

An area of 15 square metres is recommended. The section is to be provided with adequate exhaust fans.

(C) Creams, lotions, emulsions, pastes, cleansing milks, shampoos, pomade, brilliantine, shaving-creams and hair-oils, etc.-

Equipments:

- (a) Mixing and storage tanks of suitable materials.
- (b) Heating kettle — steam, gas or electrically heated.
- (c) Suitable agitator.
- (d) Colloidal mill or homogeniser (wherever necessary).
- (e) Triple roller mill (wherever necessary).
- (f) Filling and sealing equipment.
- (g) Weighing and measuring devices.

An area of 25 square metres is recommended.

The areas recommended above are for basic manufacturing of different categories of cosmetics. In addition to that separate adequate space for storage of raw materials, finished products, packing materials shall be provided in factory premises.

(D) Nail Polishes and Nail Lacquers -

1. Equipments:

- (a) A suitable mixer.
- (b) Storage tanks.
- (c) Filling machine - hand operated or power driven.
- (d) Weighing and measuring devices.

An area of 15 square metres is recommended. The section shall be provided with flame proof exhaust system.

2. Premises. -The following are the special requirements related to Nail Polishes and Nail Lacquers :

- (a) It shall be situated in an industrial area.
- (b) It shall be separate from other cosmetic-manufacturing area by metal/brick partition up to ceiling.
- (c) Floors, walls, ceilings and doors shall be fireproof.
- (d) Smoking, cooking and dwelling shall not be permitted and no naked flame shall be brought in the premises.
- (e) All electrical wiring and connections shall be concealed and main electric switch shall be outside the manufacturing area.
- (f) All equipment, furniture and light fittings in the section shall be flameproof.
- (g) Fire extinguisher like foam and dry powder and sufficient number of buckets containing sand shall be provided.
- (h) All doors of the section shall open outwards.

3. Storage. -All explosive solvents and ingredients shall be stored in metal cupboards or in a separate enclosed area.

4. Manufacture. -

- (a) Manufacture of lacquer shall not be undertaken unless the above conditions are complied with.
- (b) Workers shall be asked to wear shoes with rubber soles in the section.

5. Other requirements. -No objection certificate from local Fire Brigade Authorities shall be furnished.

(E) Lipsticks and Lipgloss-

Equipments:

- (a) Vertical mixer.
- (b) Jacketted kettle — steam, gas or electrically heated.
- (c) Mixing vessels (stainless steel).
- (d) Triple roller mill/Ball mill.
- (e) Moulds with refrigeration facility.
- (f) Weighing and measuring devices.

An area of 15 square meters is recommended

The areas recommended above are for basic manufacturing of different categories of cosmetics. In addition to that separate adequate space for storage of raw materials, finished products, packing materials shall be provided in factory premises.

(F) Depilatories -

Equipments:

- (a) Mixing tanks.
- (b) Mixer.
- (c) Triple roller mill or homogeniser (where necessary).
- (d) Filling and sealing equipment.
- (e) Weighing and measuring devices.
- (f) Moulds (where necessary).

An area of 10 square meters is recommended.

(G) Preparations used for Eyes. -Such preparations shall be manufactured under strict hygienic conditions to ensure that these are safe for use.

1. Eyebrows, Eyelashes, Eyeliners. -

Equipments:

- (a) Mixing tanks.
- (b) A suitable mixer.
- (c) Homogeniser (where necessary).
- (d) Filling and sealing equipment.
- (e) Weighing and measuring devices.

An area of 10 square metres is recommended.

2. Kajal and surma. -

Equipments:

- (a) Base steriliser.
- (b) Powder steriliser (dry heat oven).
- (c) Stainless steel tanks.
- (d) A suitable Mixer.
- (e) Stainless steel sieves.
- (f) Filling and sealing arrangements.
- (g) Weighing and measuring devices.
- (h) Homogeniser (where necessary).
- (i) Pestle and Mortar (for Surma).

An area of 10 square metres with a separate area of 5 square metres for base sterilization is recommended.

Other requirements for 1 and 2:

- (a) False ceiling shall be provided wherever required.
- (b) Manufacturing area shall be made fly proof. An airlock or an air curtain shall be provided.
- (c) Base used for Kajal shall be sterilised by heating the base at 150° C for required time in a separate enclosed area.
- (d) The vegetable carbon black powder shall be sterilised in a drying oven at 120° C for required time.
- (e) All utensils used for manufacture shall be of stainless steel and shall be washed with detergent water, antiseptic liquid and again with distilled water.
- (f) Containers employed for ‘Kajal’ shall be cleaned properly with bactericidal solution and dried.
- (g) Workers shall put on clean overalls and use hand gloves wherever necessary.

(H) Aerosol:

Equipments:

- (a) Air-compressor (wherever necessary).
- (b) Mixing tanks.
- (c) Suitable propellant filling and crimping equipments.
- (d) Liquid filling unit.
- (e) Leak testing equipment.
- (f) Fire extinguisher (wherever necessary).
- (g) Suitable filtration equipment.
- (h) Weighing and measuring devices.

An area of 15 square meters is recommended.

Other requirements. -No objection certificate from the Local Fire Brigade Authorities shall be furnished.

(I) Alcoholic Fragrance solutions -

Equipments:

- (a) Mixing tanks with stirrer.
- (b) Filtering equipment.
- (c) Filling and sealing equipment.
- (d) Weighing and measuring devices.

An area of 15 square meters is recommended.

(J) Hair Dyes -

Equipments:

- (a) Stainless steel tanks.
- (b) Mixer.
- (c) Filling unit
- (d) Weighing and measuring devices.
- (e) Masks, gloves and goggles.

An area of 15 square meters with proper exhaust is recommended.

The areas recommended above are for basic manufacturing of different categories of cosmetics. In addition to that separate adequate space for storage of raw materials, finished products, packing materials shall be provided in factory premises.

(K) Tooth-powders and toothpastes, etc.-

1. Tooth-powder in General.

Equipments:

- (a) Weighing and measuring devices.
- (b) Dry mixer (powder blender).
- (c) Stainless steel sieves.
- (d) Powder filling and sealing equipments.

An area of 15 square meters with proper exhaust is recommended.

2. Tooth pastes.

Equipments:

- (a) Weighing and measuring devices.
- (b) Kettle—steam, gas or electrically heated (where necessary).
- (c) Planetary mixer with de-aerator system.
- (d) Stainless steel tanks.
- (e) Tube filling equipment.
- (f) Crimping machine.

An additional area of 15 square meters with proper exhaust is recommended.

3. Tooth — Powder (Black)

Equipments:

- (a) Weighing and measuring devices.
- (b) Dry mixer powder blender.
- (c) Stainless steel sieves.
- (d) Powder filling arrangements.

An area of 15 square meters with proper exhaust is recommended. Areas for manufacturing “Black” and “White” tooth-powders should be separate.

(L) Toilet Soaps -

Equipments:

- (a) Kettles or pans for saponification.
- (b) Boiler or any other suitable heating arrangement.
- (c) Suitable stirring arrangement.
- (d) Storage tanks or trays.
- (e) Driers.
- (f) Amalgamator or chipping machine.
- (g) Mixer.
- (h) Triple roller mill.
- (i) Granulator.
- (j) Plodder.
- (k) Cutter.
- (l) Pressing stamping and embossing machine.
- (m) Weighing and measuring devices.

A minimum area of 100 square meters is recommended for the small-scale manufacture of toilet soaps.

The areas recommended above are for basic manufacturing of different categories of cosmetics. In addition to that separate adequate space for storage of raw materials, finished products, packing materials shall be provided in factory premises.