

## SAI HONEY & BEEKEEPING CLUSTER

### Working Materials

| Sr. No | Material List                                                                                                                                                                                                          | Quantity                                       |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 1      | Sugar (for Sugar Solution feeding)                                                                                                                                                                                     | <b>15 Kgs per week</b><br>For 100 Bee Colonies |
| 2      | Aluminum Kadai / Tub and other utensils                                                                                                                                                                                | <b>100 Lts ( 2 nos. )</b><br>Aluminum Tubs.    |
| 3      | Plastic Brushes                                                                                                                                                                                                        | <b>12 nos. ( Hard Brushes )</b>                |
| 4      | Migration & Transport Logistic                                                                                                                                                                                         | At least 50% of the colonies                   |
| 5      | Honey Harvesting ,                                                                                                                                                                                                     | 6 Beekeepers for 06 months                     |
| 6      | <b>Storage container</b><br>Food-grade, airtight plastic buckets or glass jars used to store the finished liquid honey.                                                                                                | 10                                             |
| 7      | <b>Strainers and Filters:</b><br>Mesh screens and filter bags placed over buckets to catch residual wax bits and debris.                                                                                               | As per requirement                             |
| 8      | <b>Stainless Steel Drums:</b> The industry standard for large-scale, long-term bulk storage because they do not corrode, leach chemicals, or alter the honey's flavor.                                                 | 200                                            |
| 9      | <b>Food-Grade Plastic Buckets:</b><br>Often made of high-density polyethylene (HDPE) or food-approved linings; practical and lightweight for intermediate beekeeping storage before final bottling.                    | 200                                            |
| 10     | <b>Glass Carboys/Jars:</b><br>Used for medium-to-large quantities due to being completely non-porous and inert.                                                                                                        | 03 months                                      |
| 11     | <b>Glass Jars (Mason or Straight-Sided):</b><br>The top choice for premium presentation, gift items, and long shelf stability because glass is inert, recyclable, and preserves pure flavor without chemical leaching. | 1500 for three months                          |
| 12     | <b>Plastic Bottles &amp; Jars (PET or HDPE):</b> Popular for everyday retail and squeeze bottles due to being lightweight, durable, shatterproof, and cost-effective for shipping. Must be labeled BPA-free.           | 2000/month                                     |
| 13     | <b>Metal Lids with Plastisol Liners:</b> Ideal for sealing glass jars securely                                                                                                                                         | 2000/month                                     |
| 14     | <b>Foam-Lined Screw Caps:</b><br>Used for tight seals on plastic containers.                                                                                                                                           | 2000/month                                     |

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| 15 | <b>Induction Seal Liners:</b><br>Foil layers heated under a cap via an induction sealer to create a tamper-evident, leak-proof barrier. | 2000/month                                                                                                                                                                                     |
| 16 | Bee colonies                                                                                                                            | 1920 working bee hives                                                                                                                                                                         |
| 17 | Wooden/plastic frame                                                                                                                    | 38400 frames                                                                                                                                                                                   |
| 18 | Comb foundation                                                                                                                         | 38400                                                                                                                                                                                          |
| 19 | Bee forage flora                                                                                                                        | <b>5kg each</b><br>(Major honey flow -mustard, eucalyptus, sunflower seed, Litchi seed, drumstick seed, Dearth period- Maize seed, pumpkin seed for cultivation surrounded to beekeeping box.) |
| 20 | Pollen substitutes                                                                                                                      | Skim milk powder / protein rich powders                                                                                                                                                        |
| 21 | Beewax foundation sheets                                                                                                                | <b>180 foundation sheets</b><br>(10 foundation sheet/hive ie 1800 beehives = 180 foundation sheet)                                                                                             |
| 22 | Smoker fuel materials                                                                                                                   | Raw cotton, jute, wood pellets, corn cobs, plain card board, egg trays, citrus peel, mint.                                                                                                     |
| 23 | Organic acids & miticides                                                                                                               | 1920/dose                                                                                                                                                                                      |
| 24 | Swarm attractants<br>(Essential oil like lemon grass etc)                                                                               | 5 ltrs (1840 drops/cycle)                                                                                                                                                                      |
| 25 | Raw honey comb                                                                                                                          | 1920 nos                                                                                                                                                                                       |
| 26 | Filtering & Clarifying agent                                                                                                            | <b>Mesh Size:</b><br>40 to 60 mesh ,<br>Field filtr-1280 pcs<br>SS double mesh strainrs-64<br>Central clarifying tanks -2<br>Inline duplex pr tanks-2<br>Food filter bags-100 l/yar            |
| 27 | Industrial clarifiers                                                                                                                   | 10,000 ltrs                                                                                                                                                                                    |
| 28 | Pest & diseases control treatment, organic acid                                                                                         | Formic acid- 8840 strips<br>Oxalic acid - 7.68 kg pure crystals<br>Acetic acids – 96 ltrs                                                                                                      |
| 29 | Terramycin veterinary antibodies                                                                                                        |                                                                                                                                                                                                |