



# Regional Test Project

**Regional Skill Competitions – Level 3**

**Skill 24 - Cabinet Making**

*Category: Construction and Building Technology*

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## Section - A

### *A. Preface*

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#### **Skill Explained:**

A cabinet is a box-shaped piece of furniture with doors and/or drawers for storing miscellaneous items. Some cabinets are standalone while others are built in to a wall or are attached to it like a medicine cabinet.

Cabinets are typically made of wood (solid or with veneers or artificial surfaces), coated steel (common for medicine cabinets), or synthetic materials. Commercial grade cabinets, which differ in the materials used, are called casework. Cabinetmaking covers mainly the manufacture, in small workshops, of furniture and built-in units in wood (either solid, veneered, plastic-coated or painted).

The cabinetmaker may also work in larger plants as a specialist.

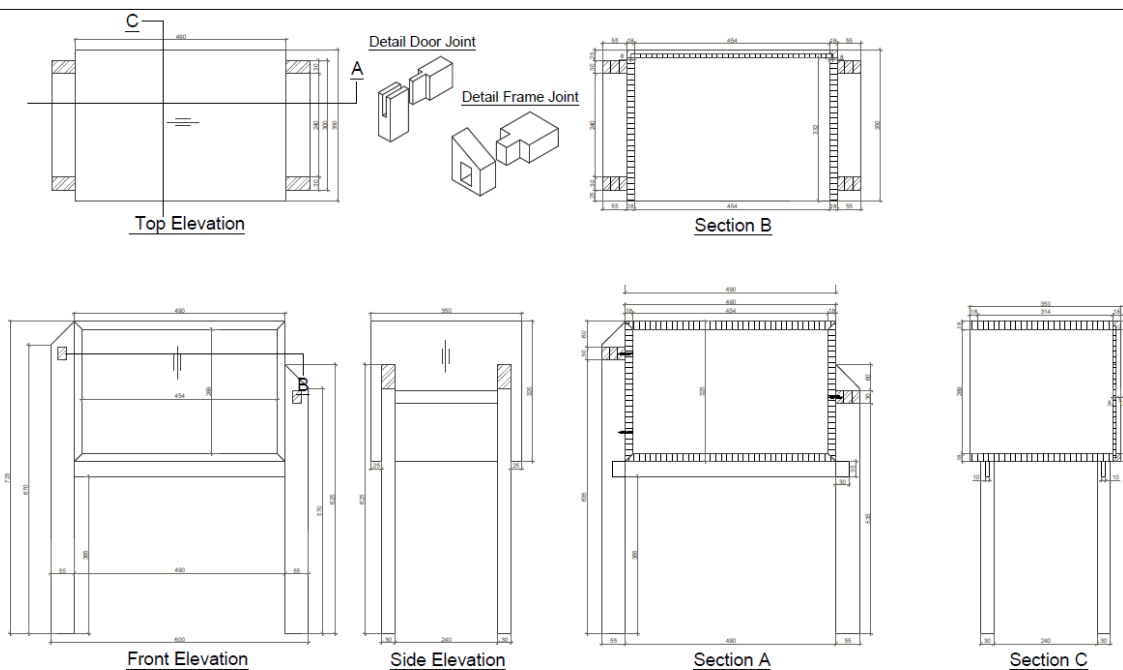
#### **Eligibility Criteria (for IndiaSkills 2018 and WorldSkills 2019):**

Competitors born on or after 01 Jan 1997 are eligible to attend the Competition.

#### **Total Duration: 11 Hrs**

## Section - B

### B. Test Project



Refer Annexure 1.

## Section – C

### C. Marking Scheme

**Marking Scheme-** The Assessment is done by awarding points by adopting two methods, Measurement and Judgments

- Measurement – One which is measurable
- Judgments - Based on Industry expectations

**Measurement** is used to assess accuracy, precision, and other performance which can be measured in a robust way. It is used where there should be no ambiguity.

**Judgment** Based on Industry expectations is used to assess the quality of performance, for which there may be small differences of view when applying the external benchmarks.

| A Dimensions                            |           | 19.00      |     |
|---|-----------|------------|-----|
|   | Objective | Subjective |     |
| A1 Overall height                       | 4         |            |     |
| A2 Overall width                        | 2         |            |     |
| A3 Overall depth                        | 3         |            |     |
| A4 Right side height                    | 4         |            |     |
| A5 Width and height Of carcase          | 4         |            |     |
|   |           |            |     |
| A8 Height of carcase                    | 2         |            |     |
|   |           |            |     |
| B Conforming to Drawing                 |           | 11.00      |     |
| B1 Gran direction is correct            | 2         |            |     |
| B2 Support is attached                  | 1         |            |     |
| B3 Carcase with legs,                   | 4         |            |     |
| B4 Legs with parallel,                  | 2         |            |     |
|   |           |            |     |
| B7 A visible recorded                   | 2         |            |     |
|   |           |            |     |
| C Face marking and Joints before gluing |           | 14.00 /5   | /14 |
|   |           |            |     |
| C2 Face marking on leg frame            | 10        |            |     |
| C3 Face marking on carcase              | 4         |            |     |
|   |           |            |     |
|   |           |            |     |
| C6 leg frame joints before gluing       |           |            | 10  |
| C7 carcase joints before gluing         |           |            | 4   |
|   |           |            |     |
| D Joints after gluing                   |           | 19.00      |     |
|   |           |            |     |
| D2 Leg frame                            |           |            | 8   |
| D3 Carcase                              |           |            | 6   |
|   |           |            |     |

|                          |                |           |
|--------------------------|----------------|-----------|
| D5 Legs and carcase      |                | 5         |
|                          |                |           |
|                          |                |           |
|                          |                |           |
| <b>F Surfaces</b>        | <b>12.00/6</b> | <b>/6</b> |
| F1 Solid wood finish     | 6              |           |
| F3 Excess glue removed   | 6              |           |
| F5 Conforming to drawing |                | 4         |
| F6 Shaping of legs       |                | 2         |
|                          |                |           |
| <b>G Use of Material</b> | <b>5.00</b>    | <b>/5</b> |
| Use of Material          | 5              |           |
|                          |                |           |
| <b>Total</b>             | <b>100</b>     |           |

## Section - D

### D. Infrastructure List

| Qty                         | Component           | Length   | Width | Thickness | Material |
|-----------------------------|---------------------|----------|-------|-----------|----------|
| <b>Leg Frame</b>            |                     |          |       |           |          |
| 2                           | Legs                | 725      | 55    | 30        | oak      |
| 2                           | Legs                | 625      | 55    | 30        | oak      |
| 2                           | Side up rail        | 300      | 55    | 30        | oak      |
| 2                           | Front and back rail | 600      | 55    | 30        | oak      |
| 2                           | Side bottom rail    | 300      | 30    | 27        | oak      |
|                             |                     |          |       |           |          |
| <b>Carcass</b>              |                     |          |       |           |          |
| 2                           | Case                | 490      | 350   | 18        | MDF      |
| 2                           | Side                | 325      | 300   | 18        | MDF      |
| 1                           | Back                | 300      | 464   | 6         | MDF      |
|                             |                     |          |       |           |          |
|                             |                     |          |       |           |          |
| <b>Additional Materials</b> |                     |          |       |           |          |
| 26                          | Dowels              | 30 x 8mm |       |           |          |
| 18                          | Biscuits            | Size 10  |       |           |          |
| 1                           | Doorstop            | 12x12    |       |           |          |
| 1                           | Handles             |          |       |           |          |
| 10                          | Screws              | 3.5 x 32 |       |           |          |
| 3                           | Screws              | 3.0x 19  |       |           |          |

## Section – E

### E. Instructions for candidates

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- The cabinet is to be constructed with the aid of machinery.
- The unit consists of a carcass which is mitred on top and bottom, these corners will be jointed with biscuit joints, the quantity and position of the biscuits will be on your own judgement.
- The carcass is supported with four legs and connected to the carcass with dowels. (Leg sections are 55mmx30mm pillars.)
- The work should be carried out in a safe manner and should not exceed the maximum working time of 11 hours.

## Section – F

### **F. Health, Safety, and Environment**

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1. All accredited participants, and supporting volunteers will abide by rules and regulations with regards to Health, Safety, and Environment of the Competition venue.
2. All participants, technicians and supporting staff will wear the required protective Personnel clothing. The Competitors must wear proper dress suiting the task and wear goggles while performing wood work
3. All participants will assume liability for all risks of injury and damage to property, loss of property, which might be associated with or result from participation in the event. The organizers will not be liable for any damage, however in case of Injury the competitor will immediately inform the immediate organizer for medical attention.