





# Sample Test Project

District / Zonal Skill Competitions
Skill- Cabinet Making

Category: Construction and Building Technology

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Section - A

A. Preface

**Skill Explained:** 

Cabinet Making includes the production and Installation of free standing and built in unit furniture. The cabinet maker can read and interpret drawings, carry out the set out, measure, cut form joints, assemble, install and finish the assigned job to meeting the desired standards

by working on the issued guidelines

The artifact is named as Cabinet. It includes face, case and frame. The cabinet has door in

the case, both sides of the case should be connected with frames.

Eligibility Criteria (for IndiaSkills 2018 and WorldSkills 2019):

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

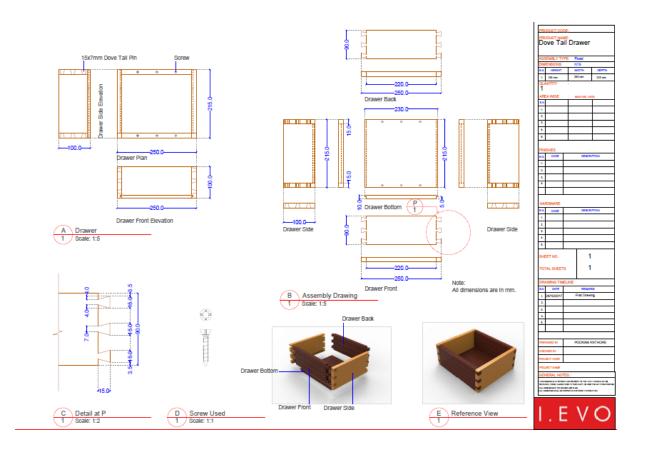
consists of 2 competitors.

**Total Duration: 3 Hrs** 

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## **Section - B**

# **B. Test Project**



#### **Working Instructions for Competitors**

- Drawer --All four sides of the drawer must be Dovetailed and bottom panel must be screwed and grooved inside the panel of the drawer
- After face marking the drawer case, competitors must bring to the Expert for marking
- The surface should be fit for the polishing

#### 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 unambiguous way. Mark is awarded in full for a dimension with in tolerance and zero when it is out of tolerance.

**Judgment** is used to assess the quality of performance, about which there may be small differences of opinion.

The scores from 0 to 3 are awarded for conformity with industry standards (score 1 stands for 1/3 and score 2 for 2/3 of the maximum mark allotted for the criterion).

#### **Example-Judgment Marking**

If maximum marks for Judgment criteria is 1 and if all 3 Experts (Juries) give 3 points to a candidate, the candidate will get 1 mark for that aspect. If 2 Experts give 3 and 1 Expert gives 2 points, then candidate will get (3+3+2)/9\*1 = 0.89 marks for that aspect out of 1 mark.

#### Aspects are criteria's which are judged for assessment

#### Marking:

Main criteria	Judgment	Measurement	Total
Main dimensions		50	50
Secondary dimensions		30	30
Assembly	5	5	10
Surface finish	5	5	10
Grand Total	10	90	100

#### MARKING SCHEME

	Measurement	Judgement
	2 22 23 23 25	
Width of drawer	4	
depth of drawer	8	
Length of drawer	4	
D. Conforming to Drawing. 40.00		
B. Conforming to Drawing = 18.00	6	
Bottom screw as per drawing  Bottom grooved as per drawing	6	
safety	0	6
- Caroty		
C. Face marking and Joints before gluing	= 24.00	
Face marking on drawer	8	
Drawer dovetail joints before Gluing(all the four corners of drawer)		16
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D. Joints after gluing = 16.00		
Drawer dovetail joints after gluing(all the four corners of drawer)		16
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E. Surfaces = 21.00		
Solid wood finish (min 220 grit )		16
Excess glue removed		5
F. Use of Material = 5.00		
Use of Material	5	
Total	100	

# **Section - D**

#### **D.** Infrastructure List

- Workshop Installation-Tools & Equipment positioned by Organizers
- Tool Kit-Tool & Equipment allowed to be brought by competitors for competitions

# All equipment and material will be provisioned by the Organizers at site including raw material

#### List of materials for one competitor

QTY	COMPONENT	LENGTH	WIDTH	THICKNESS	MATERIAL
Drawer					
2	Drawer sides	215	100	15	White oak
1	Drawer front	250	90	15	White oak
1	Drawer back	250	90	15	White oak
1	Drawer bottom panel	230	215	10	MDF

COMMON TOOLS AVAILABLE TO COMPETITORS		
1	Screws with screw driver	
2	Fevicol	
3	Mallet	
4	Dovetail saw	
5	Try square	
6	Bevel Square	
7	Firmer Chisel set	
8	Mortise Chisel set	
9	Measuring Ruler	
10	Chisel Sharpening Stone	
11	Battery Drill	
12	Smoothing planer	
13	Head bit for screwing	
14	Straight grooving bit	

# Section - E

# **E. Instructions for candidates**

Competitors must make clear of the task before commencement

- The competitors must keep track of the timing of the project.
- In case of illness or accident the matter must immediately be reported to the available Expert
- If not sure to operate any piece of safety equipment of machine should ask present Expert
- The competitor should be able to carry out the task unaided.

### Section - F

# F. Health, Safety, and Environment

- 1. All accredited participants, and supporting volunteers will abide by rules and regulations with regards to Health, Safety, and Environment of the Competition venue.
- 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.