



Skill India
कौशल भारत - कुशल भारत



Sample Test Project

District / Zonal Skill Competitions

Skill- Cabinet Making

Category: Construction and Building Technology

Table of Contents

A. Preface	3
B. Test Project.....	4
C. Marking Scheme	5
D. Infrastructure List.....	8
E. Instructions for candidates	9
F. Health, Safety, and Environment	10

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

Section - B

B. Test Project

A Drawer
Scale: 1:5

B Assembly Drawing
Scale: 1:5

C Detail at P
Scale: 1:2

D Screw Used
Scale: 1:1

E Reference View
Scale: 1:1

Note: All dimensions are in mm.

PROJECT CODE			
PROJECT NAME			
Dove Tail Drawer			
ASSEMBLY TYPE			
Fixed			
DIMENSIONS			
SL	HEIGHT	WIDTH	DEPTH
1	100 mm	250 mm	230 mm
QUANTITY			
1			
AREA WISE			
SL	CODE	DESCRIPTION	QTY
1			
2			
3			
4			
5			
PROCESSES			
SL	CODE	DESCRIPTION	QTY
1			
2			
3			
4			
5			
HARDWARE			
SL	CODE	DESCRIPTION	QTY
1			
2			
3			
4			
5			
SHEET NO.		1	
TOTAL SHEETS		1	
DRAWING TIMELINE			
SL	DATE	ISSUANCE	
1	20/02/2017	Final Drawing	
2			
3			
4			
5			
REVISIONS			
REVISION NO.	DESCRIPTION	DATE	BY
1	POISSON BATTICARD		
2			
3			
4			
5			
GENERAL NOTES			

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 within 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 $(3+3+2)/9 \times 1 = 0.89$ 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

A. DIMENSIONS = 16.00		
	Measurement	Judgement
Width of drawer	4	
depth of drawer	8	
Length of drawer	4	
B. Conforming to Drawing = 18.00		
Bottom screw as per drawing	6	
Bottom grooved as per drawing	6	
safety		6
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
D. Joints after gluing = 16.00		
Drawer dovetail joints after gluing(all the four corners of drawer)		16

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.
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.