





Sample Test Project

District / Zonal Skill Competitions
Skill- Wall and Floor Tiling

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	10
F. Health, Safety, and Environment	11

Section - A

A. Preface

Skill Explained:

The work of tiller includes laying of tiles of ceramics, mosaics or natural stone on walls, floors staircases swimming pools, outside installations and facades to provide protective and

decorative finishes.

A tiller generally works on commercial and residential projects from drawings and instructions.

Successful tillers requires endurance, concentration, an eye for details with continuing

responsibility to work professionally in order to meet the requirements of the customer.

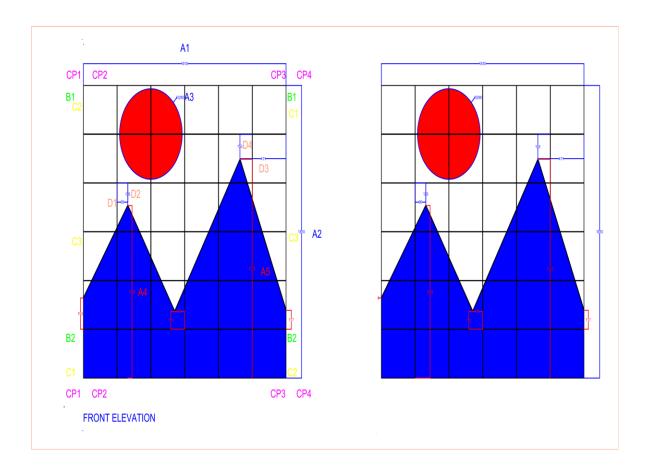
Eligibility Criteria (for IndiaSkills 2018 and WorldSkills 2019):

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

Total Duration: 4 Hrs

Section - B

B. Test Project



Section - C

C. 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_:_Measurement
Competitor Name :
Sub Criterion - Module A - Wall A

Aspect ID	Aspect Of Sub Criterion	Max Mark	Aspect of Sub Criterion - Description	Require ment of Size	Result or Actual Value	Mark Awarded
A1		4	Length of wall A at top	1810mm		
A2		4	Height of module	1810mm		
А3	Dimension	3	Radius of Circle	280mm		
A4		4	Distance from bottom to peak of small mountain	1068mm		

A5		4	Distance from bottom to peak of big mountain	1353mm	
A6		3	Length of wall A at the mid of bottom layer	1810mm	
B1		3	Top of module	0mm	
B2	Level	3	Top of layer 1 from bottom	0mm	
В3	Level	2	Mid of second level from top	0mm	
B4		2	Mid of third layer from bottom	0mm	
C1		3	Left side bottom to right side top	0mm	
C2	Surface	3	Right side bottom to left side top	0mm	
C3	Alignment	2	At third layer from bottom	0mm	
C4		2	At second layer from top	0mm	
CP1		3	Left side - front view	0mm	
CP2	Dlamak	3	Left side - side view	0mm	
CP3	Plumb	3	Right side - front view	0mm	
CP4		3	Right side - side view	0mm	
D1		2	Peak distance of left mountain from left side edge of second tile	95mm	
D2		2	Peak distance of left mountain from bottom of second tile from top	135mm	
D3		2	Peak distance of right mountain from right side	411mm	
D4		2	Peak distance of right mountain from bottom of first layer	150mm	
D5		2	Distance from top of first layer to bottom of inclined edge of left side mountain	193mm	
D6		2	Distance from top of first layer to bottom of inclined edge of right side mountain	117mm	

D7		2	Distance from top of first layer intersection point of mountains	110mm	
D8		2	Distance of intersection point of mountains from right side immediate edge	88mm	
Total	Marks	70			

Marking: Judgment

Competitor Name:

Sub Criterion: Module A - Wall A

Aspect ID	Aspect Of Sub Criterion	Max Mark	Aspect of Sub Criterion - Description	Mark Awarded
J1		8	Piece of tiles missing, wrong colour tiles placed, Cutting of tiles not done properly	
	Missing/Cutting Of Tiles	2	Below Industry Standard	
		4	Industry Standard	
		8	Surpasses Industry Std. in some ways	
J2		8	Uniformity of Joints for vertical and horizontal, regular joints size of 2mm	
	Jointing & Finishing	2	Below Industry Standard	
	4		Industry Standard	
		8	Surpasses Industry Std. in some ways	
J3	Finishing	8	Overall Impression, Sharp Edge, Shape of Structure	
		2	Below Industry Standard	
		4	Industry Standard	
		8	Surpasses Industry Std. in some ways	
J3	Annocasa	3	Cleaning Of Tiles and Overall Module	
	Appearance			
J4		3	Cleaning Of Area Around	
To	l otal Marks	30		
Remarks				

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 tools and equipment will be provided by the Organisers

Infrastructure List - Wall & Floor Tiling				
Workshop Installation	Quantity			
Mortar Mixer	1			
Water Tank	1			
Water Bucket	1			
Water Mug	1			
Mortar Bucket	1			
Waste skip on wheels/Wheel barrow	1			
Shovel for cleaning of area	1			
Workshop Installation – Tools	Quantity			
Spirit Level 1m	1			
Spirit Level 2m	1			
Measuring Tape	1			
Tile Cutting Machine	1			
Trowels Big	1			
Trowel Small	1			
Rubber Hammer	1			
Straight Edge 6 feet	2			
Right angle big	1			
Grout Pad	1			
Rounder Big - (considering tile size)	1			
Spacers	2 packet			
Teeth Trowel	1			
Spartech Machine if possible	1			
***************************************	0 411			
Materials/ Consumables	Quantity			
Plywood 2m * 1.5m (If table is possible)	1			
Broom	1			
Dustpan	1			
Sponge	2			
Tiles 300*300*6 mm white				
Tiles 300*300*6 mm blue				
Tiles 300*300*6 mm red				
Tile grout - Chemical grout - 5kg	1 bag			
Tile Adhesive / Tile fixo 25kg	2 bag			

Masking Tape 2 inch	1	
Water	As required	
Health & Safety Instruments	Quantity	
Ear Plug	1 pair	
Knee pad	1 pair	
Nose mask	1	
Goggle	1	
Safety Shoes	1 pair	
Hand Gloves	1 pair	
Stationary	Quantity	
Calculator	1	
Scale 600mm	1	
Scale 300mm	2	
Protractor Small	1	
Geometric Compass box	1	
Marker Pen	5	

Section - E

E. Instructions for candidates

1. Time:

Drawing Reading – Either previous day or 1 hour before competition

Working Time – 4.00 Hours

Cleaning of Area – 15min after working time

2. Drawing -

Read the drawing carefully. Understand Dimensions, Alignment, Plumb, Level and Cutting of tiles.

3. Tile Size -

300 * 300 * 6 mm

Joint Size – 2mm

Mortar must be provided by organizing committee

4. Mark the color of tiles

5. PLANNING -

Before starting to the work kindly submit the planning stating activity and time for that. (This includes marking, cutting and time distribution for laying each layer of tile)

6. Cleaning of module must be done in working time though 15 min extra are provided for cleaning of area around it.

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.
- 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.