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Transforming the skill landscape

# Sample Test Project

**District / Zonal Skill Competitions**

**Skill- Plastering and Drywall System**

*Category: Construction and Building Technology*

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# Section - A

## *A. Preface*

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### **Skill Explained:**

A Plastering & Drywall works on all sectors like Hotel, Hospital, Industrial, residential & Commercial offices. The main responsibility of a Drywall installer is to construct Drywall as per given layout which often contains technical details like electrical, plumbing services and loadings The Installer will interpret drawings, set out and measure, construct and finish to a high standard. Successful drywall installer requires endurance, concentration, an eye for details with continuing responsibility to work professionally in order to meet the requirements of the standard's & customer.

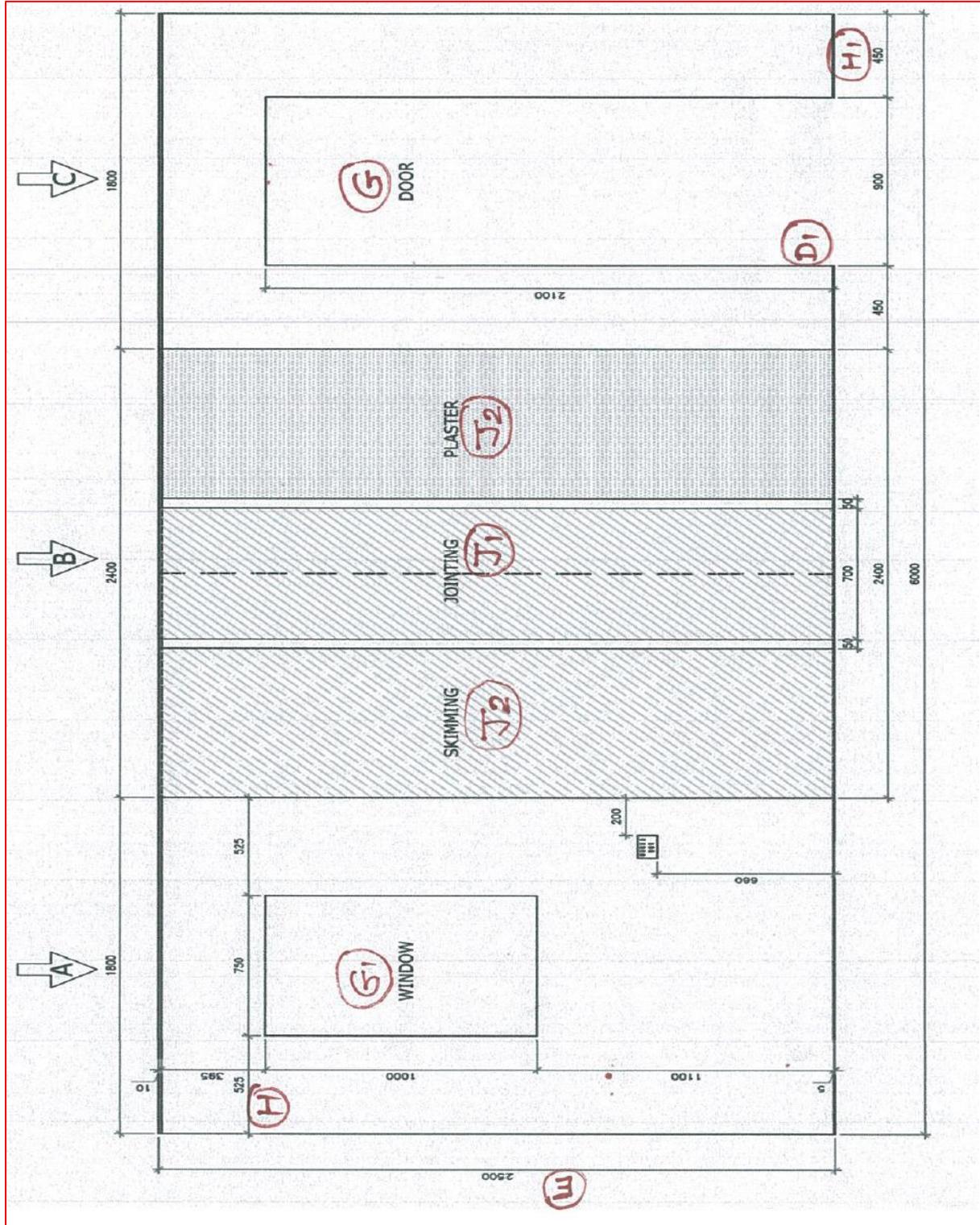
### **Eligibility Criteria (for IndiaSkills 2018 and WorldSkills 2019):**

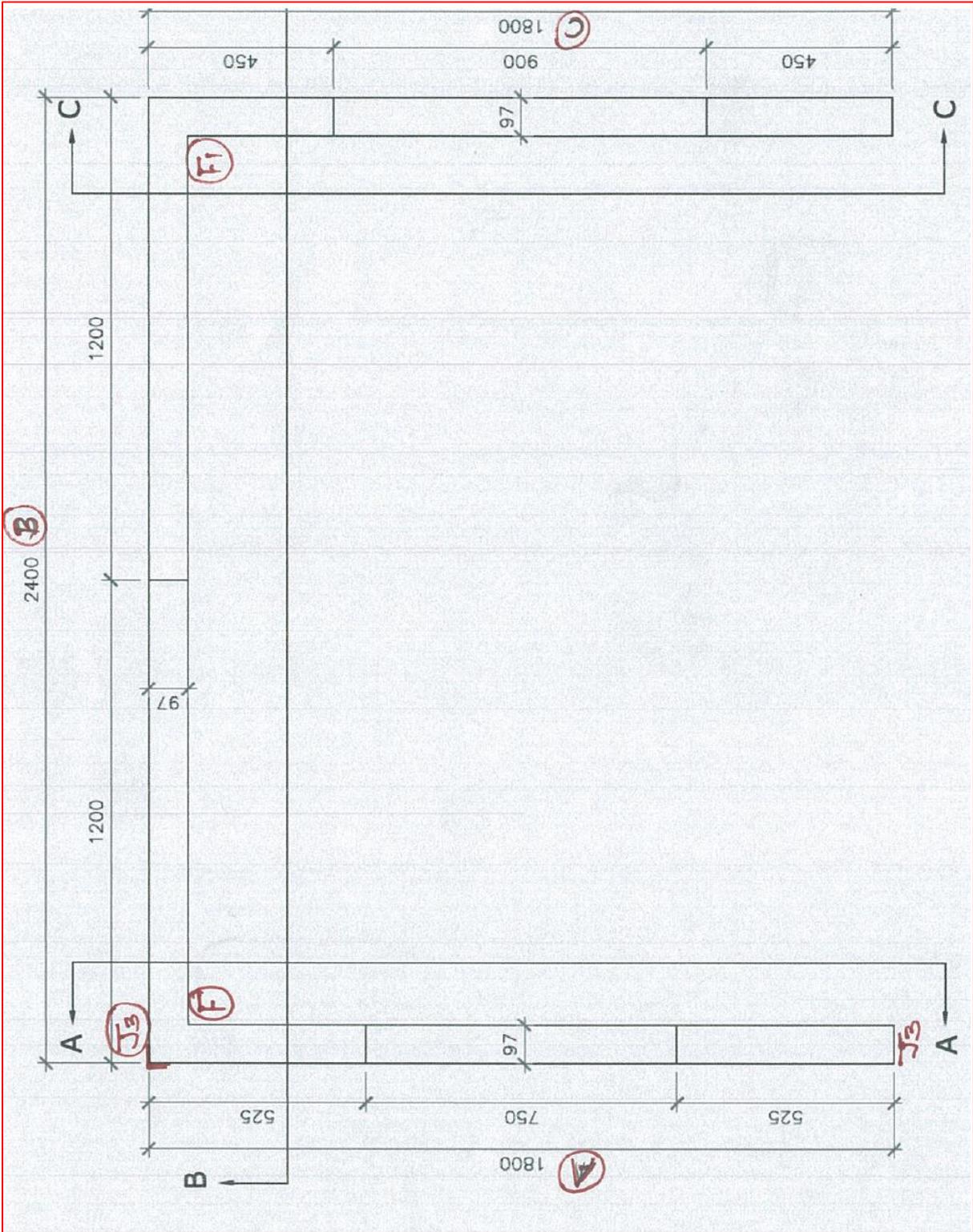
Competitors born on or after 01 Jan 1997 are eligible to attend the Competition.

**Total Duration:** 8 Hrs

# Section - B

## B. Test Project





## Section – C

### C. Marking Scheme

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The Assessment is done by awarding points by adopting two methods, Measurement and Judgments.

- Measurement –One which is measurable
- Judgments-Based on Industry expectations
- Aspects are criteria's which are judged for assessment

Marking: Measurement						
Competitor Name -						
Sub Criterion - Module – Plastering & Drywall						
Aspect ID	Aspect of Sub Criterion	Max Mark	Aspect of Sub Criterion - Description	Requirement of Size	Result or Actual Value	Mark Awarded
A	Dimension	1	Length of Side A	1800mm		
B		1	Length of Side B	2400mm		
C		1	Length of Side C	1800mm		
D	Framework	0.5	Spacing of Stud	610mm		
D1		0.5	Floor channel bending at door opening	150mm		
E	Alignment	1	Height of wall	2500mm		
F	Right Angle	0.5	A & B ( L Junction)	+/- 2mm		
F1		0.5	B & C ( L Junction)	+/- 2mm		
G	Details	1	Door Opening	2100 X900mm		
G1		1	Window Opening	1000 X750mm		
H		1	Distance of window from left side	525mm		
H1		1	Distance of door from Right side	450mm		
<b>Total Marks</b>		<b>10</b>				

**Marking: Judgment**

Competitor Name:

**Sub Criterion: Module – Plastering & Drywall**

Aspect ID	Aspect Of Sub Criterion	Max Mark	Aspect of Sub Criterion - Description	Mark Awarded
J1	Jointing	3	Excellent in every way relative to industry standard	
		0	Below Industry Standard	
		1	Meets Industry Standard	
		2	Meets Industry standard & exceeds in some respects	
J2	Skimming or Plastering	3	Excellent in every way relative to industry standard	
		0	Below Industry Standard	
		1	Meets Industry Standard	
		2	Meets Industry standard & exceeds in some respects	
J3	Appearance	1	Fixing of boards & screws	
		1	Fixing of angle bead & finishing	
		1	Fixing of board on window opening	
J4		1	Cleaning Of Area Around	
<b>Total Marks</b>		<b>10</b>		
Remarks -				

## Section - D

### D. Infrastructure List

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List of material- Per Module/Per Competitor—

Quantity	Component	Length	Width	Thickness	Material
22	Stud	3660	70	0.5	GI
6	Floor & ceiling channel	3660	72	0.5	GI
50	Fasteners	45		8mm	GI
22	Noggin Channel	695	70	0.5	GI
60	Metal to metal screws	13mm		4.2mm	GI
500 each	Drywall screws	25/35mm		3.5mm	Carbon steel
12	Gypsum boards	2439	1219		Gypsum
4	Angle Bead	2440	25	0.5	GI

Additional Material		
1 Bag	Jointing compound	Bag of 25 Kg
1 Roll	Paper Tape	Roll of 90 meter length
1 Bag	Skimming plaster	Bag of 20 kg
1 Bag	Stucco Plaster	Bag of 20 Kg

#### Tools & Equipment

Hammer drill	Cordless drill	Hammer	Board cutter	Crimping tool
Metal cutter	Hand saw	Plumb Bob	Spirit Level	Right Angle
Plumb Bob	Taping Knife	Applicator	Trowel	Brush
Sand paper	Bucket	Broom	Pan	

#### Platform –

- Size – 2400 mm x2400mm
- Minimum 150mm rise from floor
- Floor should be flat.

## Section – E

### E. Instructions for candidates

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1. **Time:** Drawing Reading –1 hour before competition
  - Working Time – 8 Hours.
  - Cleaning of Area – ½ hour after working time
  - Break out time 20 Min before & after Lunch
  - Lunch Break -45 min
  
2. **Drawing:** Read the drawing carefully, and Material work out
  
3. **Preparation-**
  - Check the material Given for work
  
4. **Cleaning of work place**
  - Clean all area
  - Remove excess Material
  - Clean tools & Keep on safe place
  
5. **Safety**
  - Use Safety shoes all the Time
  - Hand Glove during Cutting board & Metal sections
  - Goggles while Jointing & Plastering

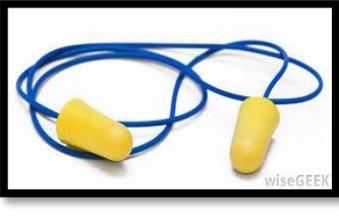
#### Health, Safety and Environment

Safety requirement during installation

Drywall is light weight system using Gypsum board & GI light weight metal section

During Handling & Installation of System following PPE's are mandatory—

- Safety shoes- All The time during installation & Handling
- Safety Helmet- All The time during installation & Handling
- Safety Jacket- All The time during installation & Handling
- Mask- Cutting and Sanding of board & Plaster
- Hand Gloves- Handling & cutting of metal section
- Goggle- During Drilling hole in structure & plaster application

		
<b>High Visibility Jacket</b>	<b>Safety Helmet</b>	<b>Safety Shoes</b>
		
<b>Safety Goggles</b>	<b>Hand Gloves</b>	<b>Ear Plugs</b>

### **Safety Guidelines ---**

- Check for hazards at workplace and surrounding and notify the supervisor immediately
- Always inspect the machine before starting to work. Ensure that all the protection guards are in place.
- Turn the motor off during cleaning and while carrying out adjustments of the machine and in emergency.
- When operating the machine, keep your hands at a safe distance
- Concentrate on work and do not talk with others while working
- Ensure regular cleaning of workplace

## **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.