

SYLLABUS FOR FORM WORK CARPENTRY TRAINING

Duration at Skills Training Institute (Spread in three months)	: 600 Hrs
1. Introduction to ITI	: 3 Hrs
2. Introduction to the Trade	: 3 Hrs
3. Introduction to Trade Glossary	: 6 Hrs
4. Introduction to Tools & Equipment	: 12 Hrs
5. Documentation	: 24 Hrs
* Sketches	
* Drawings	
* Information hand outs	
* Method statements	
* Log sheets	
6. Materials	: 16 Hrs
* Timber	
* Plywood	
* System formwork components	
* Consumables	
* Pipe and couplers	
7. Testing	: 16 Hrs
* Setting out	
* Leveling	
* Plainness	
* Dimensions	
* Line	
8. Safety	: 24 Hrs
* First Aid	
* Personal safety	
* Handling	
* Working at heights	
* System formwork build-in safety	

9. Practice Modules	: 348 Hrs
Conventional	
F1. Sizing of Timbers	: 12 Hrs
<ul style="list-style-type: none"> * Classification of timbers * Identification of timbers * Selection of timbers * Properties of timber * Identification of small tools * Maintaining of tools * Safe usage of tools including power machines * Reading of simple drawings and sketches * Understanding of tolerance * House keeping * Site tidiness 	
F2. Cutting Plywood	: 8 Hrs
<ul style="list-style-type: none"> * Classification of plywood * Properties of plywood * Use of shuttering plywood * Use of commercial plywood * Safe usage of cutting tools including power machines * Understanding of tolerance * Safety * Site tidiness 	
F3. Timber Jointing	: 12 Hrs
<ul style="list-style-type: none"> * Dovetail joints * Martice & Tenon joints * Half lap joints 	
F4. Make Conv. Shutter	: 24 Hrs
<ul style="list-style-type: none"> * Making of conv. beam shutters * Making of conv. straight wall shutters * Making of conv. column shutters * Making of conv. beam bottom shutter * Repairing of conv. wooden shutters * Safety * Site tidiness 	

System form work Doka
F5. Identify Doka Components : 24 Hrs

- * Introduction of Doka form work system
- * Doka components and its application
- * Maintenance and stacking of Doka components
- * Safety
- * Site tidiness

F6. Make Type Shutter : 16 Hrs

- * Making of Doka column shutter
- * Making of Doka wall shutter
- * Safety
- * Site tidiness

Conventional
F7. Make Curved Shutter : 16 Hrs

- * Making of wooden curved shutters
- * Making of wooden haunch shutters
- * Making of odd shape shutters
- * Safety
- * Site tidiness

System form work Doka
F8. Make curved Shutter : 24 Hrs

- * Making of Doka curved shutters
- * Making of Doka haunch shutters
- * Making of Doka odd shape shutters
- * Safety
- * Site tidiness

F9. Erect & Dismantle Staging : 12 Hrs

- * Erecting & dismantling of conventional pipe staging
- * Erecting & dismantling of wooden staging

System form Work Doka
F10. Erect & Dismantle Staging : 16 Hrs

- * Erecting & dismantling of 1.525m x 1.525m plane size Doka heavy duty towers
- * Erecting & dismantling of Doka 1.525m x 2.250m
- * Plane size staging

- * Erecting & dismantling of light duty tower for masonry
- F11. Erect & dismantle Stair Tower : 8 Hrs
- * Erecting & dismantling of Doka stair tower
- Conventional
- F12. Assemble & Dismantle Foundation Form : 16 Hrs.
- * Assemble & dismantling of conv. Shutters for foundation
- System form work Doka
- F13. Assemble & Dismantle Foundation Form : 8 Hrs
- * Assemble & dismantling of L&T shutters for foundation
- Conventional
- F14. Assemble & Dismantle Column Form : 8 Hrs
- * Assemble & dismantling of conv. Shutter for column
- System form work Doka
- F15. Assemble & Dismantle Column Form : 16 Hrs
- * Assemble & dismantling of Doka Shutter for column
- Conventional
- F16. Assemble & Dismantle Wall Formwork : 16 Hrs
- * Assemble & dismantling of conv. Shutter for wall formwork
- System form work Doka
- F17. Assemble & Dismantle Wall Form : 16 Hrs
- * Assemble & Dismantling of Doka Shutter for straight wall
- Conventional
- F18. Assemble & Dismantle Beam Form : 19 Hrs
- * Assemble & dismantling of conv. Shutter for
plinth beams and tie beams
- System form work Doka
- F19. Assemble & Dismantle Beam Form : 16 Hrs
- * Assemble & dismantling of Doka beam Shutter for
tie beams

Conventional		
F20. Assemble & Dismantle Beam & Slab Form	:	28 Hrs
* Assemble & dismantling of conv. shutter for beams & slabs		
System form work Doka		
F21. Assemble & Dismantle Beam & Slab Form	:	28 Hrs
* Assemble & dismantling of Doka shutter for Beams & slabs		
F22. Erecting & Dismantling L & T access Scaffold	:	8 Hrs
* Erecting & Dismantling L & T access Scaffold		
10. Introduction to Trade on Job Site	:	64 Hrs
11. Revision	:	60 Hrs
12. Final Testing & Evaluation	:	24 Hrs