

Director of Employment & Training

Course :- MASON

Duration :- 2 Weeks (33 Hours)

Daily Hours :- 3 Hours

Practical :- 2:30 Hours

Theory :- 30 Minutes

-:MASON:-

Duration:- 2 week.

Name of skill:- Masonary.

	THEORY	PRACTICAL
Day-1	Need of this basic skill in construction and familiar with tools and equipment.	-Use of each tools and equipment in various stage in construction work. -Safety precaution.
Day-2	Familiar with building material -Test the quality of material -Know the units.	-Availability of landing material. -Spontaneous test of material. -Unit conversion w.r.t. market.
Day-3	-Know about the specification and understanding the the instruction given from the authority -Units and measurement	Get the idea at the site to follow the instruction and proper use of proper tools at proper sequence of work -taking the measurement

Day-4	-Identification of send and bricks as per quality and classification, care and safe uses of tools	-Know the stack bricks at site and watering the bricks before use.
Day-5	-Cement Motor and it's ratio for various stages of construction work. -Storage of cement in store at site.	-Able to prepare the mix for cement motor. -Manually or by hand mixer including in gradients.
Day-6	-Importance of bond in BK masonry. -Knowledge of stretchers and header bond.	-Built partion wall with stretcher bond. -Built a wall of half BK and one BK wall with appropriate proportion (e.g. 1:4 or 1:6)
Day-7	-Know the closer in BK masonry and use of it when it required.	-Built one BK thick wall with use of closer to maintain the joints.

Day-8	-Knowledge of English bond.	-Built the BK thick wall in English bond with permissible tolerance.
Day-9	-Knowledge of Flemish Bond.	-Built the 1 BK thick wall in Flemish Bond.
Day-10	-Use of scaffolding when height of wall above 1.5 meter	-Arrangement of scaffolding in outer/Inner surface of walls.
Day-11	How to maintain the verticality and level of each layer of BK	-Use of plumb bob and hand level simultaneously with construction.
Day-12	-Know the stone masonry -Availability of stone -Dressing of Stone	-Check the quality of stone -Prepare the mortar for stone masonry -Ingredients of mortar(power form of stone, Grit)
Day-13	-Types of stone masonry -Rubble Masonry -Ashlars masonry	-Built the wall with Rubble stone masonry and maintain the verticality by use of plumb bob.

Day-14	-Precautions and care after construction (e.g. curing) -Need of Curing	-Built the wall with ashlar masonry with permissible tolerance
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-:LIST OF TOOLS FOR PLAS FACING WORK:-

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| (1) Trowels 150mm to 450mm | -2 No's |
| (2) Float | -2 No's |
| (3) Floating | -2 No's |
| (4) Plumb Rule | -2 No's |
| (5) Spirit Level | -2 No's |
| (6) Strings & Pins | -2 No's |
| (7) Bolster | -2 No's |
| (8) Scabbling hammer | -2 No's |
| (9) Right angles | -1 No's |
| (10) Point Chisels | -2 No's |
| (11) Chisels for soft stone | -2 No's |
| (12) Measuring tape-30' | -1 No's |

(13) Pan MS 25cms dia	-6 No's
(14) Shovel	-1 No's
(15) Spade	-3 No's