

# Trainer's Guide

## Helper Mason



### Qualifications Pack- Helper Mason

- ◆ **SECTOR - CONSTRUCTION**
- ◆ **SUB-SECTOR - Building & Factories, Heavy Infrastructure (Rail, Road & Runways), Power Generation (Dam and Transmission & Distribution etc.)**
- ◆ **OCCUPATION - Masonry**
- ◆ **REFERENCE ID - CON/Q IOI**



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## Welcome Note

### Dear Trainer,

Welcome to this training programme on “Helper Mason”. This training programme has been developed in response to the need on skill development for Assistant Masons, especially for the less educated, poor and out-of-school youth. As you may be aware, over 90% of employment of Assistant Masons is from the unorganised sector, with workers working in relatively low productivity jobs. Most of them have neither had formal school education, nor have attended any vocational training institution. They have mostly acquired competencies through informal apprenticeships. These apprenticeships may or may not be the best practices expected of the industry. Given this background of the trainees, your role is of great importance. The quality of training is only as good as the skills of the master and the master’s willingness and ability to pass on those skills. Remember, you are training adults; hence it is crucial to the programme’s success that the trainees interact with each other and share knowledge. Your role, therefore, is more of a facilitator who will guide and add value to the learning environment because of your knowledge, skill, experience and personality. We hope that you too will gain from this programme and will be able to help us take it to a higher level through your delivery.

All the best!

*Session Plan*

<b>Program Name</b>	Assistant Mason		
<b>Name of Client</b>	NSDC		
<b>Version No.</b>	1.0	Version Update Date	18/05/2012
<b>Pre-requisites to Training</b>	Minimum qualification – 10th / 12th pass		
<b>Training Outcomes</b>	<p>After completing this program, participants will be able to:</p> <ul style="list-style-type: none"> <li>◆ Prepare mortar</li> <li>◆ Construct a half brick wall with different bonds</li> <li>◆ Construct a full brick wall with different bonds</li> <li>◆ Construct a one and a half brick wall with different bonds</li> <li>◆ Construct a two brick wall with different bonds</li> <li>◆ Construct a brick column</li> <li>◆ Erect and dismantle scaffolding</li> <li>◆ Construct a cement block wall upto 3 feet</li> <li>◆ Construct RCC beam and column</li> <li>◆ Do surface finishing</li> <li>◆ Fix door and window frames</li> </ul>		

Sr. No.	Module	Session	Objectives	Methodology	Tools	Time
<b>Day 1</b>						
1	Morning Energizer	Morning starter song/Good sayings/Stretching Exercises/Prayer/Moral stories	To energize the participants to take on the day	<ul style="list-style-type: none"> <li>Group participation</li> </ul>	<ul style="list-style-type: none"> <li>Songs provided in Trainer's guide</li> </ul>	10 mins.
2	Icebreaker	Icebreaker	To introduce each other and build rapport with fellow participants and Trainer	<ul style="list-style-type: none"> <li>Activity</li> </ul>	<ul style="list-style-type: none"> <li>Interactive Game from Trainer Guide</li> </ul>	1 hr. 40 mins
3	Introduction to Masonry	Introduction	<ol style="list-style-type: none"> <li>Explain about the trade of masonry</li> <li>State the roles and responsibilities of an Assistant Mason</li> </ol>	<ul style="list-style-type: none"> <li>Multimedia based learning</li> <li>Trainer led discussion</li> <li>Memorization and transfer of knowledge</li> </ul>	<ul style="list-style-type: none"> <li>Multimedia (K – Yan)</li> <li>Participant handbook</li> </ul>	1 hr 15 mins
4	Building: Types and Components	Types and Components	<ol style="list-style-type: none"> <li>State the sequence of construction activities starting from foundation to finishing</li> <li>Explain the function of each component</li> </ol>	<ul style="list-style-type: none"> <li>Multimedia based learning</li> <li>Trainer led discussion</li> <li>Memorization and transfer of knowledge</li> </ul>	<ul style="list-style-type: none"> <li>Multimedia (K – Yan)</li> <li>Participant handbook</li> </ul>	2 hrs 20 mins
5	Building: Types and Components	Practical: Identifying Building Components	Identify different building components	<ul style="list-style-type: none"> <li>Real life observation</li> </ul>	<ul style="list-style-type: none"> <li>Site visit of building under construction as well as those fully constructed</li> </ul>	1 hr 20 mins

Sr. No.	Module	Session	Objectives	Methodology	Tools	Time
<b>Day 2</b>						
1	Morning Energizer	Morning starter song/Good sayings/Stretching Exercises/Prayer/Moral stories	To energize the participants to take on the day	<ul style="list-style-type: none"> <li>◆ Group participation</li> </ul>	<ul style="list-style-type: none"> <li>◆ Songs provided in Trainer's guide</li> </ul>	10 mins.
2	Building: Types and Components	Recap	To revise all that was learnt on the previous day	<ul style="list-style-type: none"> <li>◆ Trainer led discussion</li> <li>◆ Question based discussion</li> </ul>	<ul style="list-style-type: none"> <li>◆ Asking question</li> <li>◆ Multimedia</li> <li>◆ Participant's handbook</li> </ul>	10 mins
3	Building Materials	Introduction to Building Materials	<ol style="list-style-type: none"> <li>1. Identify the different building materials</li> <li>2. State the uses of each</li> </ol>	<ul style="list-style-type: none"> <li>◆ Multimedia based learning</li> <li>◆ Trainer led discussion</li> <li>◆ Memorization and transfer of knowledge</li> </ul>	<ul style="list-style-type: none"> <li>◆ Multimedia (K – Yan)</li> <li>◆ Participant handbook</li> <li>◆ Poster</li> </ul>	1 hr 40 mins
4	Building Materials	Practical: Building Materials	Identify the different building materials	<ul style="list-style-type: none"> <li>◆ Guide practice (Work with me)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Samples of various building material</li> </ul>	1 hr 15 mins
5	Building Materials	Material Handling and Stacking	Demonstrate the correct procedure in transporting, handling and stacking of the various materials	<ul style="list-style-type: none"> <li>◆ Multimedia based learning</li> <li>◆ Trainer led discussion</li> <li>◆ Memorization and transfer of knowledge</li> </ul>	<ul style="list-style-type: none"> <li>◆ Multimedia (K – Yan)</li> <li>◆ Participant handbook</li> </ul>	40 mins
6	Building Materials	Practical Material Handling	Practice the correct procedure in transporting, handling and stacking of the various materials	<ul style="list-style-type: none"> <li>◆ Hands on practice (Try me)</li> <li>◆ Guided practice (Work with me)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Stacks of different building materials</li> <li>◆ Participant handbook</li> </ul>	40 mins

Sr. No.	Module	Session	Objectives	Methodology	Tools	Time
Day 26						
1	Morning Energizer	Morning starter song/Good sayings/Stretching Exercises/Prayer/Moral stories	To energize the participants to take on the day	<ul style="list-style-type: none"> <li>◆ Group participation</li> </ul>	<ul style="list-style-type: none"> <li>◆ Songs provided in Trainer's guide</li> </ul>	10 mins
2	Doors and Windows/ Related Activities	Recap	To revise all that was learnt on the previous day	<ul style="list-style-type: none"> <li>◆ Facilitator led discussion</li> <li>◆ Question based discussion (Expository methods)</li> <li>◆ Remediation</li> </ul>	<ul style="list-style-type: none"> <li>◆ Multimedia</li> <li>◆ Participant's handbook</li> </ul>	10 mins
3	Foundation	Assessment - Foundation	To evaluate the students on their learning of the topic	<ul style="list-style-type: none"> <li>◆ Practical assessment (Summative evaluation)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Assessment guide</li> </ul>	2 hr 55 mins
4	Brick work	Assessment - Brick Flooring & Cement Flooring	To evaluate the students on their learning of the topic	<ul style="list-style-type: none"> <li>◆ Practical assessment (Summative evaluation)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Assessment guide</li> </ul>	2 hr 20 mins
5	Surface finishing	Assessment - Double Plaster	To evaluate the students on their learning of the topic	<ul style="list-style-type: none"> <li>◆ Practical assessment (Summative evaluation)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Assessment guide</li> </ul>	1 hr 20 mins

Day - 8	Morning Starter	10 minutes
8.1		
<b>Say</b>	<p>A very good morning to you friends. Time to say our morning prayer.</p> <p>मेरे देश की धरती, सोना उगले, उगले हीरे मोती मेरे देश की धरती</p> <p>बैलों के गले में जब घुन्गरू, जीवन का राग सुनाते हैं गम कोस दूर हो जाता है, खुशियों के कँवल मुसकाते हैं सुन के रहट की आवाजें, यूँ लगे कहीं शहनाई बजे आते ही मस्त बहारों के दुल्हन की तरह हर खेत सजे</p> <p>जब चलते हैं इस धरती पे हल, ममता अन्गडाईयाँ लेती है क्यों ना पूजे इस मांटी को, जो जीवन का सुख देती है इस धरती पे जिस ने जनम लिया, उसने ही पाया प्यार तेरा यहाँ अपना पराया कोई नहीं, है सब पे, माँ, उपकार तेरा</p> <p>ये बाग है गौतम नानक का, खिलते हैं अमन के फूल यहाँ गांधी, सुभाष, टैगोर, तिलक ऐसे हैं चमन के फूल यहाँ रंग हरा हरीसिंग नलवे से, रंग लाल है लाल बहादूर से रंग बना बसन्ती भगतसिंग, रंग अमन का वीर जवाहर से</p>	
<b>Notes for facilitation</b>	<p>The above song is only a recommendation. You can choose any song or prayer. But be sure that it does not make references to any caste, creed, community or gender. It must be neutral.</p>	

Day - 8	Recap	10 minutes
8.2		
<b>Say</b>	<p>Yesterday I gave you a practical assignment. I have observed your performances. I am going to give feedback to you one by one.</p>	
<b>Notes for facilitation</b>	<ul style="list-style-type: none"> <li>◆ Begin by giving feedback on each point for every person.</li> <li>◆ Make a note of commonly made mistakes.</li> <li>◆ If required, re-visit yesterday's sessions once again.</li> </ul>	







## IL&FS Skills Development Corporation Limited

(A Joint Initiative with National Skill Development Corporation)

**Regd. Office:** IL&FS Skills Development Corporation Limited,  
1st, 2nd & 3rd Floor, NTBCL Building, Toll Plaza, DND Flyway, Noida - 201 301. U.P., India.  
Tel.: (0120) 2459200 / 2459201. [www.isdc.in](http://www.isdc.in)

**Mumbai Office:** IL&FS Education & Technology Services Ltd.,  
Aditya Textile Industrial Compound, Corduroy Building, 2nd Floor, Safed Pool, Andheri-Kurla Road,  
Mumbai - 400 072. Tel.: 022-6780 9292. [www.ilfseducation.com](http://www.ilfseducation.com)