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 0101
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- Assessment- Double Plaster
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

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Assistant Mason</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Client</td>
<td>NSDC</td>
</tr>
<tr>
<td>Version No.</td>
<td>1.0</td>
</tr>
<tr>
<td>Pre-requisites to Training</td>
<td>Minimum qualification – 10th / 12th pass</td>
</tr>
</tbody>
</table>
| Training Outcomes  | After completing this program, participants will be able to:  
  ◆ Prepare mortar  
  ◆ Construct a half brick wall with different bonds  
  ◆ Construct a full brick wall with different bonds  
  ◆ Construct a one and a half brick wall with different bonds  
  ◆ Construct a two brick wall with different bonds  
  ◆ Construct a brick column  
  ◆ Erect and dismantle scaffolding  
  ◆ Construct a cement block wall upto 3 feet  
  ◆ Construct RCC beam and column  
  ◆ Do surface finishing  
  ◆ Fix door and window frames |
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Module</th>
<th>Session</th>
<th>Objectives</th>
<th>Methodology</th>
<th>Tools</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Morning Energizer</td>
<td>Morning starter song/Good sayings/Stretching Exercises/Prayer/Moral stories</td>
<td>To energize the participants to take on the day</td>
<td>Group participation</td>
<td>Songs provided in Trainer's guide</td>
<td>10 mins.</td>
</tr>
<tr>
<td>2</td>
<td>Icebreaker</td>
<td>Icebreaker</td>
<td>To introduce each other and build rapport with fellow participants and Trainer</td>
<td>Activity</td>
<td>Interactive Game from Trainer Guide</td>
<td>1 hr. 40 mins</td>
</tr>
</tbody>
</table>
| 3      | Introduction to Masonry     | Introduction                                                            | 1. Explain about the trade of masonry  
2. State the roles and responsibilities of an Assistant Mason                                                                                      | Multimedia based learning  
Trainer led discussion  
Memorization and transfer of knowledge | Multimedia (K – Yan)  
Participant handbook                                                                                                                | 1 hr 15 mins |
| 4      | Building: Types and Components | Types and Components                                                    | 1. State the sequence of construction activities starting from foundation to finishing  
2. Explain the function of each component                                                                                                    | Multimedia based learning  
Trainer led discussion  
Memorization and transfer of knowledge | Multimedia (K – Yan)  
Participant handbook                                                                                                                | 2 hrs 20 mins |
<p>| 5      | Building: Types and Components | Practical: Identifying Building Components                              | Identify different building components                                                                                                                                                           | Real life observation                                                                            | Site visit of building under construction as well as those fully constructed                  | 1 hr 20 mins |</p>
<table>
<thead>
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</tr>
</thead>
<tbody>
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<td>1</td>
<td>Morning Energizer</td>
<td>Morning starter song/Good sayings/Stretching Exercises/Prayer/Moral stories</td>
<td>To energize the participants to take on the day</td>
<td>10 mins.</td>
<td>Songs provided in Trainer’s guide</td>
</tr>
<tr>
<td>2</td>
<td>Building: Types and Components</td>
<td>Recap</td>
<td>To revise all that was learnt on the previous day</td>
<td>10 mins.</td>
<td>Asking question</td>
</tr>
<tr>
<td>3</td>
<td>Building Materials</td>
<td>Introduction to Building Materials</td>
<td>1. Identify the different building materials 2. State the uses of each</td>
<td>1 hr 40 mins</td>
<td>Multimedia (K – Yan) Participant handbook Poster</td>
</tr>
<tr>
<td>4</td>
<td>Building Materials</td>
<td>Practical: Building Materials</td>
<td>Identify the different building materials</td>
<td>1 hr 15 mins</td>
<td>Multimedia (K – Yan) Participant handbook</td>
</tr>
<tr>
<td>5</td>
<td>Building Materials</td>
<td>Material Handling and Stacking</td>
<td>Demonstrate the correct procedure in transporting, handling and stacking of the various materials</td>
<td>40 mins</td>
<td>Stacks of different building materials</td>
</tr>
<tr>
<td>6</td>
<td>Building Materials</td>
<td>Practical Material Handling</td>
<td>Practice the correct procedure in transporting, handling and stacking of the various materials</td>
<td>40 mins</td>
<td>Participant handbook</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Module</td>
<td>Session</td>
<td>Objectives</td>
<td>Methodology</td>
<td>Tools</td>
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</tr>
<tr>
<td>1</td>
<td>Morning Energizer</td>
<td>Morning starter song/Saying/Exercise/Prayer/ Moral stories</td>
<td>To energize the participants to take on the day</td>
<td>Group participation</td>
<td>Assessment guide</td>
</tr>
<tr>
<td>2</td>
<td>Doors and Related Activities</td>
<td>Recap</td>
<td>To revise all that was learnt on the previous day</td>
<td>Facilitator led discussion</td>
<td>Assessment guide</td>
</tr>
<tr>
<td>3</td>
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<td>Assessment - Foundation</td>
<td>To evaluate the students on their learning of the topic</td>
<td>Practical assessment (Summative evaluation)</td>
<td>Assessment guide</td>
</tr>
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<td>4</td>
<td>Brick work</td>
<td>Assessment - Brick Flooring &amp; Cement Flooring</td>
<td>To evaluate the students on their learning of the topic</td>
<td>Practical assessment (Summative evaluation)</td>
<td>Assessment guide</td>
</tr>
<tr>
<td>5</td>
<td>Surface finishing</td>
<td>Assessment - Double Plaster</td>
<td>To evaluate the students on their learning of the topic</td>
<td>Practical assessment (Summative evaluation)</td>
<td>Assessment guide</td>
</tr>
</tbody>
</table>
**Day - 8**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Notes for facilitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.1</td>
<td><strong>Morning Starter</strong></td>
<td>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.</td>
</tr>
<tr>
<td>8.2</td>
<td><strong>Recap</strong></td>
<td>Yesterday I gave you a practical assignment. I have observed your performances. I am going to give feedback to you one by one.</td>
</tr>
</tbody>
</table>

**Say**

- A very good morning to you friends. Time to say our morning prayer.
- मेरे देश की धर्ती, सोना उगाले, उगाले होरे मोटी
- मेरे देश की धर्ती
- बैलों के गले में जब धुन्ना, जीवन का राग सुनाते हैं
- गम कोंस दूर हो जाता है, खुशियों के कंवल मुसकाते हैं
- सुन के रहट की आवाज़, रूंचे लगे कहीं शहनाई बजे
- आते ही नस्ल बहारी के दुल्हन की तरह हर खेत सजे
- जब चलते हैं इस धर्ती पे हल, भमता अनमालियों लेती है
- क्यों ना पुले इस मांटी की, जो जीवन का सुख देती है
- इस धर्ती पे जिसे ने जनम लिया, उससे ही पाया थ्यार तेरा यहाँ अपना पराया कोई नहीं, है सब पे, मैं, उपकार तेरा
- ये बाग है गौतम नानक का, खिलते हैं अपने के पूल यहाँ
- गांधी, सुभाष, टीजोर, तिलक ऐसे हैं चमन के पूल यहाँ
- रंग हरा हरीसिंग नलवे से, रंग लाल है लाल बहादुर से
- रंग बना बसन्ती भगतसिंग, रंग अमन का वीर जवाहर से

**Notes for facilitation**

- Begin by giving feedback on each point for every person.
- Make a note of commonly made mistakes.
- If required, re-visit yesterday’s sessions once again.