

**Skills Evaluation System Promotion Program**  
**Project Implementation Report**  
**【Kingdom of Cambodia】**

- ◆ December 3~7, 2018
- ◆ Phnom Penh City, Kingdom of Cambodia  
National Technical Training Institute (NTTI)
- ◆ Electrical System Maintenance 3rd Grade

December 2018

## 1. Outlines of project

Implementation period:	December 3 (Mon) ~7 (Fri), 2018
Venue:	Phnom Penh City, Kingdom of Cambodia National Technical Training Institute (NTTI)
Job trades:	Electrical System Maintenance 3rd Grade
Lectures / Workshops:	Skills Assessors Training and Skills Evaluation Trial
Experts:	Mr. Hiromasa Uchiyama (Japan Institute of Plant Maintenance)
Participants:	SAT: 9 people Trial: 7 Examinees, 9 Assessors

### Implementation schedule

Date	Contents
December 3 (Mon) 08:30AM~04:30PM	<b>【Skills Assessor Training (SAT)】</b> Opening ceremony Explanation about: <ul style="list-style-type: none"> <li>• SESPP (Skills Evaluation System Promotion Program)</li> <li>• skills Evaluation System in Japan</li> <li>• role and responsibilities of assessor</li> <li>• mechanical maintenance skill test and electrical system maintenance work</li> <li>• required skills and test questions (theoretical test)</li> </ul>
December 4 (Tue) 08:30AM~04:30PM	<b>【Skills Assessor Training (SAT)】</b> Explanation about <ul style="list-style-type: none"> <li>• required skills and assignment (practical test)</li> <li>• practical test scoring procedures and scoring standard</li> <li>• operation procedures and equipment, materials, supplies</li> </ul>
December 5 (Wed) 08:30AM~04:30PM	<b>【Skills Assessor Training (SAT)】</b> Explanation about <ul style="list-style-type: none"> <li>• Setting assignment and scoring exercises</li> <li>• Prepare the venue and supplies</li> <li>• Role assignment and operation exercises</li> </ul>
December 6 (Thu) 08:30AM~04:30PM	<b>【Skills Evaluation Trial (SET)】</b> Explanation about <ul style="list-style-type: none"> <li>• Theoretical test (09:00AM~10:10AM)</li> <li>• Practical test (1st 10:30AM~02:00PM)</li> <li>• Scoring theoretical &amp; practical test</li> <li>• Reflection, consideration of improvement items for the 2nd day</li> <li>• Preparation of equipment, etc</li> </ul>
December 7 (Fri) 08:30AM~04:30PM	<b>【Skills Evaluation Trial (SET)】</b> <ul style="list-style-type: none"> <li>• Practical test (2nd 09:30AM~11:30AM)</li> <li>• Scoring practical test</li> <li>• Clean up equipment</li> <li>• Summary</li> </ul> Closing ceremony

## 2. Review of the course

Ten assessors participated in the Skills Assessors Training are active as an instructor at the training facilities in Cambodia and they have high aspiration on participation. Prior to the seminar, I got them firmly being aware of that, “we will be becoming the pioneer on Electrical Systems Maintenance in the field of Machine Inspection of the skills test in this country.” They seemed they already have the basic knowledge of operation and scoring method, so they had high interests in case examples of countermeasures for unforeseen circumstances, test questions creation and operational arrangements. They were able to complete making of the equipment to be used in the skills test without any delays by utilizing their skills. After the confirmation of the basic parts of the trial, it was proactively conducted by themselves from the preparation to operation by using their knowledge and it went well without any problems.

This time, we only used electrical materials and tools that can be procured locally. Regarding the scoring accompanied by subjective determination such as work attitude and wiring conditions, I explained the concept of its background to clarify the aims what they are supposed to be and discussed enough, then we have revised according to the necessity. I hope that even one of them could be a good reference. The examinees were seven; three from private companies, and four from training institute. Four examinees out of seven passed the theoretical exam and the other three almost passed the exam. There was an opinion that some sentences of the questions were unclear, so I felt we need to think of how to peer review in the future.

The successful applicants of the practical test were two. There was a big difference in the skills between the successful and the rejected applicants. Also, I noticed work that will be a problem in the safe point, so I advised them to lead the students during the training from now on.

I hope that involved people could further improve themselves in order to develop test questions suitable to the actual situation in this country, to accumulate some achievements with the accurate evaluations, and to improve the status of qualification.

### 3. Results of questionnaire

■ Examinees: 7 people (Respondent : 7 people)

Satisfaction level: very satisfied=4 satisfied=1 neither=1 unsatisfied=1

Effectiveness level: very effective=5 effective=0 neither=1 not effective=1

Desire for continuation level:

strongly wish=5 wish=0 neither=0 do not wish=1 no wish at all=1

【Opinions / Comments / Preferred job trades to implement】

- The assessors made noises and they talked a lot during the exam.
- There were some unclear translations in Khmer. I expect it to improve in the future as well as JICA expects.

■ Assessors: 9 people (Respondents : 9 people)

Satisfaction level: very satisfied=7 satisfied=2

Effectiveness level: very effective=8 effective=1

Improvement level of Evaluating Ability: improved very much= 7 improved=2

Desire for continuation level: strongly wish =6 wish =3

【Opinions / Comments / Preferred job trades to implement】

- I would like Japan to implement the Vocational Training Method on Electrical System Maintenance 1<sup>st</sup> and 2<sup>nd</sup> grade. (2)
- The followings are the preferred job trades to implement.
  - Electrical System Maintenance 1<sup>st</sup> and 2<sup>nd</sup> grade (4)
  - Electrical System Maintenance 2<sup>nd</sup> and 3<sup>rd</sup> grade (2)
  - Electrical wiring (1 person)
  - Electrical Motor Control System Maintenance (2)
  - Sequence Control 2<sup>nd</sup> and 3<sup>rd</sup> grade (1)
  - Electrical Installation System Maintenance (1)

\* The number in brackets () is number of respondents.