

Kingdom of Cambodia

Project for Improving TVET Quality to Meet the Needs of Industries

Project Completion Report

March 2021

**Japan International Cooperation Agency
(JICA)**

HM
JR
21-014

Project Completion Report

Project Title: Project to Improve TVET Quality to Meet the Needs of Industries

Name: H.E. PICH Sophoan

Title: Project Director

Name: YAMADA Koh

Title: Chief Advisor

Submission Date: March 26, 2021

I. Basic Information of the Project

1. Country:

Cambodia

2. Title of the Project:

Project to Improve TVET Quality to Meet the Needs of Industries

3. Duration of the Project (Planned and Actual):

(Planned) September 28, 2015 – March 27, 2020

(Actual) September 28, 2015 – March 27, 2021

In order to recover from the temporary constraints of the JICA budget, and postponement of the activities due to COVID-19, the duration was extended for 6 months, respectively.

4. Background (from Record of Discussions(R/D))

Public technical and vocational education and training (TVET) institutions in Cambodia are facing challenges such as the improvement of the content of TVET and partnership between TVET institutions and industries. In order to address these issues, Government of Cambodia requested JICA for technical cooperation on the improvement of the quality of TVET provided at the training institutes under the Ministry of Labour and Vocational Training, especially in the fields of electricity and electronics at the diploma level. Through the detailed planning survey, both sides agreed that the improvement of a higher diploma in electricity is particularly important in producing human resource that meets the needs of industries.

5. Overall Goal and Project Purpose (from Record of Discussions(R/D))

(Overall Goal)

Quality of training for the higher diploma in electricity in the TVET institutions under MLVT (nation-wide) is strengthened.

(Project Purpose)

Quality of training for the higher diploma in electricity in TVET institutions under MLVT (pilot institutions) is strengthened.

6. Implementing Agency

Ministry of Labour and Vocational Training (MLVT), and 3 pilot TVET institutes in Phnom Penh: NPIC (National Polytechnic Institute of Cambodia), NTTI (National Technical Training Institute), and PPI (Preah Kossomak Polytechnic Institute).

II. Results of the Project

1. Results of the Project

1-1 Input by the Japanese side (Planned and Actual)

(1) Amount of input by the Japanese side: 465 million Japanese Yen (about 4.4 million US Dollars)

(2) Expert dispatch: 11 persons (5 long-term and 6 short-term).

Among long-term experts, 2 as Chief Advisor/Curriculum Development, 2 as Expert in Electricity, and 1 as Project Coordinator/Partnership with Industries.

Among short-term experts, 2 experts each from JEED (Japan Organization for Employment of the Elderly, Persons with Disabilities and Jobseekers) in Electricity, from CIAST (Centre for Instructor and Advanced Skill Training) in Electricity, and from JISHA (Japan Industrial Safety and Health Association) in occupational safety and health.

(3) Receipt of training participants: 93 persons trained abroad.

1. Counterpart Training (35 participants)		
1)	In Japan (Ministry of Health, Labour and Welfare (MHLW), JEED, Fuji Electric)	27
2)	In Other Countries (CIAST/JMTI)	8
2. Training in collaboration with industries		13

(Thai-Denso/Thai-Yazaki/Fuji Electric/AOTS)		
3. JICA Training (45 participants)		
1)	Vocational Training Course for Young Leaders	30
2)	Practical HRD in Electricity and Electronics Engineering-Aiming at Elimination of Technology Gap between Education-Field Site	1
3)	Industrial Technology Education	4
4)	Human Resources Development Administration	4
5)	Enhancement of Training Management in Vocational Training Institute	6

(4) Equipment Provision: Custom-made training equipment and workshop furniture. (Please refer to the attachment.)

(5) Overseas activities cost: 559,000 US Dollars

1-2 Input by the Cambodia side (Planned and Actual)

Department of standard and curriculum, MLVT have assigned 4 colleagues to work with JICA-TVET project and provided of offices space with the supply of electricity and water.

1-3 Activities (Planned and Actual)

The Project has coordinated various resources and implemented activities effectively. Since 2020, amid COVID-19, the Project has continued possible inputs. Several noteworthy activities by output are as follows:

Output 1 : Develop STP (Standard Training Package)

- Based on the agreement between the counterparts and JICA, a practical curriculum has been implemented at 3 pilot institutes.
- Formulated and activated the TWG (technical working group) for curriculum development and instructors' capacity building. In addition to the curriculum, the textbook and updated syllabus were made.
- STP on Electrical Installation and Maintenance was approved by NTB (National Training Board) in September 2020.

Output 2 : Training for Instructors to Teach STP: Technical guidance and transfer

- Established final practice examination system in 3 pilot institutes from FY2016. Amid COVID-19, all 3 institutes conducted/decided to conduct the examination in FY2020.
- A variety of training opportunities for counterparts have been implemented.
- The Electricity expert provided a series of training of procured equipment for instructors of pilot institutes. Skill test was conducted.
- JICA Group Training and SESPP (Skills Evaluation System Promotion Program) training have been carried out.

Output 3 : Introduce STP to Non-Pilot TVET Institutes

- The Project supported yearly ToTs (Training of Trainers) managed by MLVT.

Output 4 : Equipment and Facility Management for Training

- Customized training equipment was developed and procured with trained instructors to fully utilize to teach students and the company's technicians.
- Introduced regular maintenance and management of the procured equipment and tools by using the checklist and how to assign and register equipment/tools in simple Excel form. TWG members have been continuing it.

Output 5: Partnership between Pilot TVET Institutes and Industries

1) TVET/Employment promotion activities

- The Project has participated and supported some demonstrations in National TVET Day, and National Career and Productivity Fair.
- The Project's proactive public relations activities continued, including an English article contribution about the Project and presentations at the JBAC (Japanese Business Association of Cambodia) meeting.
- Employment Promotion Handbook was compiled for ILU (industry liaison unit) staff in TVET institutes.

2) Partnership with industries

- Charged technical seminars for industries, with the support of all 3 pilot institutes, have been implemented.
- Collaborated with SESPP scheme and invited technical staff of industries for

skill practice.

2. Achievements of the Project

2-1 Outputs and indicators

(Target values and actual values achieved at completion)

Please refer Attachment “Progress summary for PDM indicators” for details.

2-2 Project Purpose and indicators

(Target values and actual values achieved at completion)

Please refer Attachment “Progress summary for PDM indicators” for details.

3. History of PDM Modification

PDM was revised three times.

1) First revision at the second JCC on May 11, 2017

Based on the result of the satisfaction survey by the consultant, objectively verifiable indicators of Overall, Goal, etc., were set. The definition of terms was clarified.

2) Second revision at the third JCC on March 11, 2019

Based on the result of the final practice examination, the remaining indicators were set and defined. In order to recover from the temporary constraints of the JICA budget, the duration of the Project was extended for 6 months.

3) Third revision on July 12, 2020

In order to recover from the postponement of the activities due to COVID-19, the duration of the Project was extended for another 6 months. JCC was not held, as three Japanese long-term experts were temporarily in Japan (all of them returned to Phnom Penh in August 2020).

4. Others

4-1 Results of Environmental and Social Considerations (if applicable)

Not applicable.

4-2 Results of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

The Project continued to keep in mind that the quality growth through human resources development of the people of Cambodia, both women and men, is the basis of poverty reduction and prosperity of the nation.

III. Results of Joint Review

1. Results of Review based on DAC Evaluation Criteria

(1) Relevance

Human resources development and TVET have always been one of the key factors for sustainable growth and prosperity in Cambodia. Three basic policies are “Cambodia Industrial Development Policy,” “National Employment Policy,” and “National TVET Policy 2017-2025.”

Between 2019 and 2023, based on “Rectangular Strategy Phase 4” and “National Strategic Development Plan 2019-2023”, the MLVT made “Strategic Plan for Development of Labour and Vocational Training Sector 2019-2023,” and its Strategic Action Plan aims to modernize TVET by strengthening its quality, etc.

Amid COVID-19 pandemic, this priority in improving TVET quality continues, as shown in the “Five-Year (2021-2025) Master Plan for the Development of Technical and Vocational Education Institutions” in December 2020.

Electricity has been one of the priority sectors in Cambodia. The electricity field is versatile and has a lot of needs from industries. TVET students in electricity have been increasing continuously in recent years. All of these reflect a growing demand for labour and expectations in the potential supply of labour in the field.

(2) Effectiveness

The MLVT and three pilot institutes in Cambodia worked hard to contribute to achieving the Project Purpose “Quality of training for the higher diploma in electricity in TVET institutions under MLVT (pilot institutions) is strengthened.” By planning, implementing, and improving the Final Practice Examination, the Project utilized the Technical Working Group among 3 pilot institutes and respected their opinions for their capacity improvement by doing, not just focusing on the result. Its pass rate (74.6% in 2019) did not reach the indicator’s target (80%), and COVID-19 pandemic occurred from 2020 onward. However, counterparts learned a lot to strengthen their technical, organizing, and managing skills. In addition, the other 2 indicators, namely students’ employment/internship rate and satisfaction rate on training at TVET institutions achieved the targeted values. In conclusion, the Project met the Project Purpose with satisfactory achievement, mainly through the introduction and improvement

of the Final Practice Examination, and it led to many fruitful results.

(3) Efficiency

Due to JICA's temporary budget constraints, some of the core activities had to be postponed, and it caused the delay of the activities.

By extending the Project period for six months, these activities were carried out with the planned budget and other available resources, such as donations from companies.

Again with the unexpected COVID-19 pandemic from 2020 onward, the Project had more difficulties. All 3 pilot institutes were closed several times and hindered the face-to-face technical transfer of skills. Since another six-month extension of the Project period was approved with the planned budget on time, the Project could manage the remaining activities.

With total a 1 year extension, the Project could achieve the Project Purpose with the planned budget. Therefore, its efficiency is defined as fair.

(4) Impact

The Overall Goal is expected to be achieved, depending on the pace of recovery from COVID-19 pandemic, and the efforts of MLVT to further improve TVET quality, for example, dissemination of national standard curriculum, the continuation of ToTs, and Public Private Partnership (PPP).

NTB's official approval on the Project's Standard Training Package (STP) was originally expected to be done after the Project's term. However, thanks to the intensive effort of the Cambodian side, it was officially approved in September 2020. This achievement had a big impact on TVET sector since it was the first approved STP in CQF (Cambodia Qualification Framework) Level 5, higher diploma level in Cambodia, and thus paved the way for the development of STP in other sectors.

(5) Sustainability

The efforts of MLVT to further improve TVET quality are necessary, for example, dissemination of national standard curriculum, the continuation of ToTs, Final Practice Examinations, and Public Private Partnership (PPP).

ToT budget had been secured every year by MLVT to conduct several courses. Through the Project, its way of management and quality of contents with training equipment has been secured, and Counterparts can continue and improve this

activity of good quality. Also, the Project has introduced the Final Practice Examination, and the pilot institutions have recognized its effectiveness for students, instructors, and industries. Now they have a strong commitment to continue its activities further with a secured budget and effective management.

Amid COVID-19 pandemic, the priority in improving TVET quality continues, as shown in the “Five-Year (2021-2025) Master Plan for the Development of Technical and Vocational Education Institutions” in December 2020. According to the Plan, necessary financial resources are properly secured. Thus its sustainability is high.

2. Key Factors Affecting Implementation and Outcomes

JICA's budget constraints affected many inputs in the Project's plan in JFY 2017 and 2018. In addition, COVID-19 pandemic caused delays at training institutes and the cancellation of the final reporting workshop and technical seminar.

3. Evaluation on the results of the Project Risk Management

To cope with the budget constraints, the Project has effectively utilized the limited resource from JICA and other existing resources, for example, to seek collaboration with industries, to vitalize the Project activities further.

To cope with COVID-19 pandemic, the Project tried to communicate with Counterparts through SNS and video application tools and continued possible inputs. However, in terms of technical transfer in electricity, it was almost impossible to conduct activities online.

4. Lessons Learnt

(1) Trusting counterparts and respect their ideas to have them try is important. It leads to their self-confidence and sustainable activities. For example, the Project has experienced introducing the Final Practice Examination and took 3 years for the standardized test. At first, it was a trial, and as they experience and learn by themselves, they understand its merit and started the standardized test. Now they are confident and commit to continue this activity even after the Project.

(2) Showing good examples broadens their idea and leads to good, proactive

practice.

For example, the Project supported introducing the institution's own job fair. The counterparts learned a lot and planned to continue this event by securing their own budget and collaborating with industries.

- (3) Hands-on equipment to meet the local needs along with detailed technical transfer is effective. The Project has provided real practical training equipment, not a simulation type. Along with the equipment, the electricity expert planned and conducted technical transfer effectively. He did not just teach instructors how to use it, but sometimes assembled it from the parts. Such a well-designed way of transfer deepened their understanding of the equipment. It was highly evaluated among the counterparts.

IV. For the Achievement of Overall Goals after the Project Completion

1. Prospects to achieve Overall Goal

The overall goal is expected to be achieved by 2023, because many practical activities are introduced and implemented through the Project, although it depends on the pace of recovery from COVID-19 pandemic. After the Project started, a yearly National TVET Day event was formally stated in Circular. DGTVET is in charge of its implementation to better link high school students, TVET students, and industries. Through the event, DGTVET has more linkage and strong connections with industries, since each year its contents have been improving. In addition, in terms of dissemination of national standard curriculum along with the continuation of ToTs, MLVT will make a strong commitment to continue securing the necessary budget. About ToTs, the Project's Counterparts already have talented trainers to teach other TVET instructors as well as industry staff, and MLVT can utilize them as valuable human resources.

2. Plan of Operation and Implementation Structure of the Cambodia side to achieve Overall Goal

Under DGTVET, there are 3 key departments in charge; The Dept. of Standard and Curriculum (DSC) is in charge of the Project, monitoring the progress of the project activities and disseminating the curriculum. The Dept.

of Quality Assurance (DQA) is in charge of ToTs and instructors' evaluation. And The Dept. of Labour Market Information (DLMI) is in charge of linkage with industries. Since DSC has been the Project's Secretariat, they will monitor and report its progress periodically.

3. Recommendations for the Cambodia side

Project summed up comments of recommendations, which consists of "Promotion of practical activity to meet the industry needs," "Sustainability and dissemination," and "Cooperation, collaboration, and communication." These are as follows:

(1) Promotion of practical activity to meet the industry needs

- It is important to fully utilize practical experiences and good practices so far we have developed with industries, DGTVET, 3 pilot institutions, and JICA, for corresponding to the growing expectation for high-skill human resources from TVET institutions.
- With the limited training equipment, the final paper examination on theory had been carried out in general in Cambodia. The Final Practice Examination introduced and implemented through the Project proved that it contributed to further assuring graduates' technical skill quality and strengthening instructors testing management capacity. All 3 pilot institutions commit to continue this activity after the Project's completion. The Project recommends DGTVET to guide this activity as a good model, and to utilize the 3 pilot institution's instructors as valuable resources to support other institutions nationwide as well.
- In order to bridge strong ties between TVET institutions and industries for strengthening industries with human resource quality, various employment promotion and collaboration activities, such as job fairs, technical seminars for employees, are important and useful.
- It is also important to continue proactive public relations, to notify the importance of TVET to the public, including those who are involved with industries, for deeper and wider relationships.

(2) Sustainability and dissemination

- The Project expects MLVT to continue to plan and implement proactive, practical TVET activities with fully utilizing various resources, including

human resources, strengthened through the Project to further improve and develop TVET.

- The Project expects that the practical experiences at pilot institutions and NTB (National Training Board)-approved Standard Training Package is fully utilized where needed, based on the updated training needs. Therefore, the Project recommends that the MLVT secures the budget and necessary resources, and utilizes the pilot institutions as one of the resources for its effective dissemination.
- For sustainable development of TVET activities, it is important to consider effective utilization of already procured inputs, including training equipment and tools with the trained instructors.
- The capacity of TVET instructors, including practical skills to better teach students with training equipment, needs to be continuously upgraded by promoting knowledge and skill sharing among instructors, periodically well-planned technical ToT (Training of Trainers) and skill tests for instructors. The Project recommends DGTVET for supervising and leading the activity well and guides TVET instructors with a clear plan of ToT and other activities for their development.
- The maintenance and management of training equipment and tools need to be continued at each training institute by daily 5S practice and regular, routine checks, according to the periodical maintenance check sheet.

(3) Cooperation, collaboration, and communication

- MLVT's strong leadership and guidance will be continuously needed for developing and improving TVET, to facilitate better communication among the MLVT, training institutions, industries, and concerned companies and organizations, based on PPP (Public Private Partnership). For example, including national events, such as National TVET Day and National Skill Competition, MLVT can seek more sponsorship from the industries to vitalize the event and training activities in TVET institutions.
- Activities by development partners need to be shared and coordinated through a strengthened dialogue and possible collaboration in training, co-organizing events, and resource sharing among stakeholders. To do so, it is effective to fully utilize existing mechanisms, such as national TWG-TVET for enhancing cooperation and coordination among government, donor parties and private sector, and Sector Skill Council.

- The Project's TWG (Technical Working Group) among 3 pilot institutions, which was formed from the beginning, worked out well for making good communication and sharing information among institutions, and became a driving force for many achievements of the Project: development of curriculum, textbook, syllabus, implementation of Final Practice Examination, etc. To continue this good practice, the Project recommends maintaining TWG as a platform for institutions to collaborate and improve TVET activities.
- As a lesson learnt, forming a small working group with related TVET instructors from key leading institutions effectively improves TVET activities at the on-site, front-line training institutions.
- Charged technical seminar at training institutions for company employees was beneficial among the concerned parties, to exchange status of TVET/industry trend as well as capacity building of human resources on both sides. Therefore, the Project recommends continuing this activity for strengthening both TVET institutions and industries, based on mutual understanding and closer communication and coordination to plan and conduct the seminar between the parties.

4. Monitoring Plan from the end of the Project to Ex-post Evaluation

With the DSC's lead as the Project Secretariat in DGTVET, they plan to periodically confirm its progress and report to DGTVET general meeting and Annual MLVT meeting.

ANNEX 1: Results of the Project

(List of Dispatched Experts, List of Counterparts, List of Trainings, Revised Plan of Operation, etc.)

ANNEX 2: List of Products (Report, Manuals, Handbooks, etc.) Produced by the Project

ANNEX 3: PDM (All versions of PDM)

ANNEX 1: Results of the Project

List of Dispatched Experts

List of Dispatched Project Experts

JICA TVET Project

<Long-term Expert>

No.	Name	Field	Duration	Place of work before dispatched
1	Mr. OKUMURA Hideki	Chief Advisor	Oct. 1, 2015 - Mar. 31, 2018	Ministry of Health, Labour and Welfare (MHLW)
2	Mr. TATEKABE Yasuro	Electricity	Oct. 31, 2015 - Oct. 30, 2017	Japan Organization for Employment of the Elderly, Persons with Disabilities and Job Seekers (JEED)
3	Ms. SAITO Kinuko	Project Coordinator	Sep. 26, 2015 - Mar. 27, 2021	N/A
4	Mr. MATSUMOTO Yoshitaka	Electricity	Oct. 9, 2017 - Mar. 27, 2021	JEED
5	Mr. YAMADA Koh	Chief Advisor	Jun. 1, 2018 - Mar. 27, 2021	MHLW

<Short-term Expert>

JFY2016

No.	Name	Field	Duration	Place of work
1	Mr. SUZUKI Yuya	Electrical Maintenance	Jan. 10, 2017 - Feb. 3, 2017	JEED
2	Mr. Mohamed Lotfi b. Arifin	Installation of electrical wiring and testing	Jan. 30, 2017 - Feb. 24, 2017	CIAS(TMalaysia)

JFY2017

No.	Name	Field	Duration	Place of work
1	Mr. SUZUKI Hirohito	Occupational Safety and Health (KYT)	Apr. 2 - 7, 2017	Japan Industrial Safety and Health Association (JISHA)

JFY2018

No.	Name	Field	Duration	Place of work
1	Mr. SUZUKI Hirohito	Occupational Safety and Health (KYT)	Apr. 1 - 7, 2018	JISHA
2	Mr. Suzaini Bin Supingat	AC Motor Control Technology	Oct. 16 - 20, 22, 24 - 26, 2018	CIAS(TMalaysia)

JFY2019

No.	Name	Field	Duration	Place of work
1	Mr. Takayoshi Shiota	Electronic circuit design and assembly	Sep. 30, 2019 - Nov. 2, 2019	JEED

List of Counterparts Training in abroad

List of Counterpart Trainings(Abroad)

JICA TVET Project

No.	Name	Sex	Dept. Name/Title	Organization Name	Course Title	Period	Fiscal Year	Remarks
1	KHIN Chanta	M	Director, Dept. of Institution Management	MLVT	Enhancement of Vocational Training Management	Jul. 4-13, 2016	JFY2016	Project CP training
2	TEANG Sak	M	Director, Dept. of Curriculum Standard	MLVT				
3	MUONG Phasy	M	Vice President	NPIC				
4	CHHAR Khemarin	M	Deputy Director	NTTI				
5	CHUM Vong Chann	M	Deputy Director	PPI				
6	ORN Pichnarun	M	Lecturer, Faculty of Electricity	NPIC				
7	TEP Sokryth	M	Senior technical instructor, Electrical and Electronic Engineering Dept.	NTTI	Control panel and distributor production and electrical application technology	Oct.11-Nov.11, 2016	JFY2016	Project CP training@JEED
8	ROS Raksa	M	Vice Dean, Faculty of Electricity	PPI				
9	SOVAN Kakada	M	Instructor of Electricity Faculty	NPIC	Electrical Instruments and Measurements & Maintenance of Cubicle type High Voltage Receiving Equipment and Supervisory in Event	Oct.10-Nov.4, 2016	JFY2016	Project CP training@CIAS Malaysia
10	SUM Chanveasna	M	Instructor, Electrical and Electronic Engineering Dept.	NTTI				
11	KHEN Soeurn	M	Instructor, Faculty of Electricity	PPI				
12	SAN Sokna	F	Instructor of Electricity Faculty	NPIC	Electrical diagram and wiring processing	Sept. 5-22, 2017	JFY2017	Project CP training@JEED
13	TANG Heng	M	Instructor of Electricity Faculty	NPIC				
14	YAY Soheat	M	Instructor of Electricity Faculty	NPIC				
15	CHY Vanny	M	Vice Dean of Electricity Faculty	PPI				
16	SOUS Soheat	M	Instructor of Electricity Faculty	NTTI				
17	CHENG Horchhong	M	Dean of Faculty of Electricity	NPIC				
18	ROS Raksa	M	Vice Dean of Electricity Faculty	PPI	Study Tour to Thailand for industry's competency	Jan. 11-13, 2018	JFY2017	Project Study Tour
19	KEM Sam Ath	M	Electrical instructor	NTTI				
20	PRAK Chandararith	M	Staff of Dept. standard and curriculum, DGTVET	MLVT				

List of Counterpart Trainings(Abroad)

JICA TVET Project

No.	Name	Sex	Dept. Name/Title	Organization Name	Course Title	Period	Fiscal Year	Remarks
21	LAOV Him	M	Director General of DGTVET	MLVT	Enhancement of Vocational Training Management	Feb. 27- Mar. 10 2018	JFY2017	Project CP training
22	BUN Phearin	M	President	NPIC				
23	YOK Sothy	M	Director	NTTI				
24	TAING Yoeun	M	Deputy Director	PPI				
25	AN Thaysocheat	M	Deputy Director, Dept. of Curriculum Standard	MLVT				
26	MAM Pich	M	Head of Office, Dept. of Curriculum Standard	MLVT				
27	SOM Sothyrythea	M	Instructor of Electricity Faculty	PPI	Pneumatic Control and Maintenance	Feb. 11-23, 2019	JFY2018	Project CP training@JMTI Malaysia
28	IN Sokvan	M	Instructor of Electricity Faculty	NPIC				
29	NAM Sophea	M	Instructor of Electricity Faculty	NPIC				
30	KEO Sothim	M	Instructor of Mechanics Faculty	NPIC				
31	PEAN Bopha	F	Instructor of Electricity Faculty	NTTI				
32	SOM Sothyrythea	M	Instructor of Electricity Faculty	PPI	Quality Control Training @Denso Thailand	Apr. 22-27, 2019	JFY2019	Project's Training to Thailand
33	CHHEM Khemarith	M	Instructor of Electricity Faculty	PPI				
34	Y Menghong	M	Instructor of Electricity Faculty	NPIC				
35	KONG Vong Chhay	M	Instructor of Mechanics Faculty	NPIC				
36	SENG Sotheara	M	Instructor of Electricity Faculty	NTTI				
37	PEAN Bopha	F	Instructor of Electricity Faculty	NTTI				
38	CHOEUNG Chivon	M	Instructor of Electricity Faculty	NPIC				
39	KHEANG Sokeang	M	Instructor of Electricity Faculty	NPIC				
40	KON Sochea	M	Instructor of Electricity Faculty	PPI				
41	MORNH Samnang	M	Instructor of Electricity Faculty	NTTI				

List of Counterpart Trainings(Abroad)

JICA TVET Project

No.	Name	Sex	Dept. Name/Title	Organization Name	Course Title	Period	Fiscal Year	Remarks
42	TEP Sokryth	M	Instructor, Electrical and Electronic Engineering Dept.	NTTI	Practical inverter and designing servo system technique	Dec. 9-25, 2019	JFY2019	Project CP training@Fuji Electric
43	YAY Socheat	M	Instructor of Electricity Faculty	NPIC				
44	ANG Sovann	M	Instructor of Electricity Faculty	NPIC				
45	CHRIN Chiva	M	Instructor of Electronics Faculty	PPI				
46	CHEN Horchhong	M	Dean, Faculty of Electricity	NPIC	Enhancement of Training Management in Vocational Training Institute	Jun.20-Jul.22, 2016	JFY2016	JICA Group Training
47	KEM Sam Ath	M	Senior technical instructor, Electrical and Electronic Engineering Dept.	NTTI				
48	KIT Sopheap	M	Deputy Chief Office, DLMI	MLVT	Vocational Training Course for Young Leaders	Sep. 26-Oct. 13, 2016	JFY2016	JICA Group Training
49	SAR Kheam	M	Vice Chief of Information Training Office, DT	MLVT				
50	HANG Bochita	F	Official of Scholarship and Relation Office, DIM	MLVT				
51	KIM Vandy	M	Administrative Officer, DSC, DGTVET	MLVT				
52	YI Sinoeun	M	Administrative Officer, DSC, DGTVET	MLVT				
53	CHHON Reth	M	Vice Chief of Information Training Office	RPITS Battambang				
54	CHENG Youra	M	Technical Instructor, Department of Foreign Languages	RPITS Takeo				
55	SOM Charkya	M	Teacher	RPITS Svay Rieng				
56	REN Sarith	M	Lecturer, Electrical and Electronic Department	RPITS Siem Reap				
57	SAM Saing	M	Technical Lecturer	RPITS Kampot				
58	DUONG Chanthea	F	Instructor, Director Job Center	NTTI	Enhancement of Training Management in Vocational Training Institute	Jun.13-Jul.22, 2017	JFY2017	JICA Group Training
59	KHIEV Kongchanveasna	M	Staff of Competency base standard and curriculum office, DSC, DGTVET	MLVT	Industrial Technology Education	Oct. 17-Nov.25, 2017	JFY2017	JICA Group Training

List of Counterpart Trainings(Abroad)

JICA TVET Project

No.	Name	Sex	Dept. Name/Title	Organization Name	Course Title	Period	Fiscal Year	Remarks
60	OUNG Youthvitu	M	Head of Reserch Office	NTTI	Vocational Training Course for Young Leaders	Sept. 11-28, 2017	JFY2017	JICA Group Training
61	TEP Senghorn	M	Vice chief of office, DLMI, DGTVET	MLVT				
62	SOK Sochan	M	Official of DLMI, DGTVET	MLVT				
63	TEAV Saroeung	F	Administrative Officer, Dept. of Standard and Curriculum, DGTVET	MLVT				
64	SOU Khemarin	M	Deputy Director, DQA, DGTVET	MLVT				
65	OUK Sam Sovathya	M	Chief of office, DSP, DGTVET	MLVT				
66	ROS Chantha	M	Chief of Examination office, DT, DGTVET	MLVT				
67	PHOUN Phoury	F	Chief of soft skill office, DSC, DGTVET	MLVT				
68	SORN Khon	M	Chief of office, DIM, DGTVET	MLVT				
69	MAO Khunthea	M	Chief of Finance and Planning office	RPITS Battambang				
70	CHAN Pheakdey	M	Deputy Director of DIM, DGTVET	MLVT	Administration in Human Resources Development through TVET	Nov. 12-Dec. 09, 2017	JFY2017	JICA Group Training
71	CHHIM Phan Sochetra	M	Vice head of Administraion office	PPI	Enhancement of Training Management in Vocational Training Institute (A)	Jun.17-Jul.28, 2018	JFY2018	JICA Group Training
72	KEM Pisoth	M	Deputy Director of DIM, DGTVET	MLVT	Administration in Human Resources Development through TVET	Oct.29-Nov.23, 2018	JFY2018	JICA Group Training
73	KHAT Sokha	M	Officer of Competency Assessment office, DSC, DGTVET	MLVT	Industrial Technology Education	Oct. 11-Nov.23, 2018	JFY2018	JICA Group Training
74	TEANG Soksann	M	Vice Head of Office, DSC, DGTVET	MLVT	Vocational Training Course for Young Leaders	Nov. 4-17, 2018	JFY2018	JICA Group Training
75	NOP Dim	M	Administrative Officer, DSC, DGTVET	MLVT				
76	SREU Narin	F	Officer, DIM, DGTVET	MLVT				
77	PHENG Kruy	M	Vice head of Administraion office, DT, DGTVET	MLVT				
78	NAM Mengsorn	M	Vice head of office, DLMI	MLVT				

List of Counterpart Trainings(Abroad)

JICA TVET Project

No.	Name	Sex	Dept. Name/Title	Organization Name	Course Title	Period	Fiscal Year	Remarks
79	NGUON Phunpisey	M	Head of office, DLMI	MLVT	Vocational Training Course for Young Leaders	Nov. 4-17, 2018	JFY2018	JICA Group Training
80	VAN Chamroeun	M	Head of Accreditation office, DQA	MLVT				
81	SRUN Chanvatey	M	Head of office, DPS	MLVT				
82	VATH Uksa	M	Head of Curriculum Development Office	NTTI				
83	CHAN Kakada	F	Vice head of administration and finance office	RPITS Battambang				
84	KEANG Rachany	F	Instructor of Civil Engineering Faculty	NPIC	Enhancement of Training Management in Vocational Training Institute (A) J19-04302	Jun. 20-Jul.27, 2019	JFY2019	JICA Group Training
85	SOM Sothyrythea	M	Instructor of Electricity Faculty	PPI	Practical HRD in Electricity and Electronics Engineering-Aiming at Elimination of Technology Gap between Education-Field Site	Aug.11-Oct.11, 2019	JFY2019	JICA Group Training
86	Mr. Y Meng Hong	M	Instructor of Electricity Faculty	NPIC	Free training of Factory Maintenance Course-Electric Relay & Programming-Basic Level	Aug.19-23, 2019	JFY2019	Hosted by AOTS through JBAC (Free of charge)
87	Ms. Pean Bopha	F	Instructor of Electricity Faculty	NTTI				
88	Mr. Yin Ratha	M	Instructor of Electricity Faculty	PPI				
89	HIEK Sopheak	M	Officer, DQA	DGTVET, MLVT	Industrial Technology Education	Oct.10, - Nov. 22, 2019	JFY2019	JICA Group Training
90	YOK Daravin	M	Chief of Admin Office, DSC	DGTVET, MLVT	Human Resources Development Administration	Nov. 4-30, 2019	JFY2019	JICA Group Training
91	BOU Samath	M	Director of Preah Sihanouk Cambodia-China Friendship Polytechnic Institute (PCCFPI)	PCCFPI	Enhancement of Training Management in Vocational Training Institutions	Jan. 11 - 22, Apr. 11 - May 1 (scheduled), 2021	JFY2020	JICA Group Training
92	Mr. VEUNG Naron	M	Senior technical teacher of English language	PPI	Industrial Technology Education	Feb. 15 - 26, 2021	JFY2020	JICA Group Training
93	Mr.CHREA Sesokunthearith	M	Deputy head of Division of Human Resource Development and International Relation	NTTI	Human Resources Development Administration	Feb. 8 - 19, Jun. 20 - Jun. 6 (scheduled), 2021	JFY2020	JICA Group Training

Technical Equipment Provision List

Overall

	Equipment	Amount (USD)	NPIC	PPI	NTTI	Seminar	RPITSB	Total	Remarks
1	Air Conditioner	\$843.23	3						
2	AD/DA Conveter	\$50.04	24	24	24			72	Non-registered
3	Bolt Slider	\$230.00	3	3	3			9	Non-registered
4	DC Power Supply	\$196.00	17	17	17			51	Non-registered
5	Digital Insultion Continuity testers	\$447.77	1	1	1			3	Non-registered
6	Digital Oscilloscope	\$821.00	11	11	11			33	
7	Earth Tester	\$291.00	1	1	1			3	Non-registered
8	Function Generator	\$1,028.00	11	11	11			33	
9	Label marker	\$165.00	1	1	1			3	Non-registered
10	Power High Tester	\$1,450.00	3	3	3			9	
11	Power Quality Analyzer	\$2,870.00	2	2	2			6	
12	Torque driver SET	\$448.00	1	1	1			3	Non-registered
13	Transformer	\$850.00	1	1	1	1		4	
14	Camera for Projector	\$600.00	3	3	3			9	
15	PLC(FUJI Electric)	\$451.42	16	16	16	2	3	50	
16	PLC_40 I/O	\$997.00	24	24	24	2		74	
17	Touch panel (HMI)	\$360.00	13	13	13			39	Non-registered
18	AC Servo training board	\$2,833.42	4	4	4			12	
19	Control board assembly panel	\$898.00	11	11	11			33	
20	Conveyor equipment	\$1,042.00	24	24	24	3		75	

Overall

	Equipment	Amount (USD)	NPIC	PPI	NTTI	Seminar	RPITSB	Total	Remarks
21	Induction Motor experiment board	\$12,260.00	1	1	1			3	
22	Inverter Training Board	\$682.98	16	16	16	2		50	
23	Motor Control Board	\$760.45	30	30	30	2		92	
24	Motor for Star Delta	\$392.20	16	16	16	2		50	
25	Motor Testing Board	\$850.00	16	16	16	2		50	
26	PLC control panel	\$1,283.00	24	24	24			72	
27	Pneumatic training board	\$2,500.00	7	7	7			21	
28	Sensor training board	\$1,135.00	7	7	7			21	
29	Sequence Training Board	\$515.71	29	29	29	2	11	89	
30	Star Delta Staring Training Board	\$762.45	16	16	16	2		50	
31	Temperature Control Board	\$845.48	3	3	3			9	
32	Water supply and drainage pump system	\$1,000.00	2	2	2			6	
	総計		341	338	338				

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-01-001	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-002	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-003	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-004	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-005	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-006	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-007	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-008	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-009	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-010	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-011	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-012	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-013	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-014	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-015	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-016	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-017	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-018	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-019	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-020	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-021	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-022	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-023	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-024	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-025	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-026	Sequence Training Board	custom-made	US\$515.71	21/12/17	NPIC	○
01-1-01-027	Sequence Training Board	custom-made	US\$515.71	30/08/19	NPIC	○
01-1-01-028	Sequence Training Board	custom-made	US\$515.71	30/08/19	NPIC	○
01-1-01-029	Sequence Training Board	custom-made	US\$515.71	30/08/19	NPIC	○
01-1-02-001	PLC(FUJI Electric)	NA0P24T-31C	US\$451.42	21/12/17	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-02-002	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-003	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-004	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-005	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-006	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-007	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-008	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-009	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-010	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-011	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-012	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-013	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	21/12/17	NPIC	○
01-1-02-014	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	30/08/19	NPIC	○
01-1-02-015	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	30/08/19	NPIC	○
01-1-02-016	PLC(FUJI Electric)	NAOP24T-31C	US\$451.42	30/08/19	NPIC	○
01-1-03-001	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-002	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-003	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-004	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-005	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-006	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-007	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-008	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-009	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-010	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-011	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-012	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-013	Star Delta Staring Training Board	custom-made	US\$762.45	21/12/17	NPIC	○
01-1-03-014	Star Delta Staring Training Board	custom-made	US\$762.45	30/08/19	NPIC	○
01-1-03-015	Star Delta Staring Training Board	custom-made	US\$762.45	30/08/19	NPIC	○
01-1-03-016	Star Delta Staring Training Board	custom-made	US\$762.45	30/08/19	NPIC	○
01-1-04-001	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-04-002	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-003	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-004	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-005	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-006	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-007	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-008	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-009	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-010	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-011	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-012	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-013	Motor Control Board	custom-made	US\$760.45	21/12/17	NPIC	○
01-1-04-014	Motor Control Board	custom-made	US\$760.45	30/08/19	NPIC	○
01-1-04-015	Motor Control Board	custom-made	US\$760.45	30/08/19	NPIC	○
01-1-04-016	Motor Control Board	custom-made	US\$760.45	30/08/19	NPIC	○
01-1-04-017	Motor Control Board	custom-made	US\$761.45	17/06/2020	NPIC	○
01-1-04-018	Motor Control Board	custom-made	US\$762.45	17/06/2020	NPIC	○
01-1-04-019	Motor Control Board	custom-made	US\$763.45	17/06/2020	NPIC	○
01-1-04-020	Motor Control Board	custom-made	US\$764.45	17/06/2020	NPIC	○
01-1-04-021	Motor Control Board	custom-made	US\$765.45	17/06/2020	NPIC	○
01-1-04-022	Motor Control Board	custom-made	US\$766.45	17/06/2020	NPIC	○
01-1-04-023	Motor Control Board	custom-made	US\$767.45	17/06/2020	NPIC	○
01-1-04-024	Motor Control Board	custom-made	US\$768.45	17/06/2020	NPIC	○
01-1-04-025	Motor Control Board	custom-made	US\$769.45	17/06/2020	NPIC	○
01-1-04-026	Motor Control Board	custom-made	US\$770.45	17/06/2020	NPIC	○
01-1-04-027	Motor Control Board	custom-made	US\$771.45	17/06/2020	NPIC	○
01-1-04-028	Motor Control Board	custom-made	US\$772.45	17/06/2020	NPIC	○
01-1-04-029	Motor Control Board	custom-made	US\$773.45	17/06/2020	NPIC	○
01-1-04-030	Motor Control Board	custom-made	US\$774.45	17/06/2020	NPIC	○
01-1-05-001	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-002	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-003	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-05-004	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-005	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-006	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-007	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-008	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-009	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-010	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-011	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-012	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-013	Inverter Training Board	custom-made	US\$682.98	21/12/17	NPIC	○
01-1-05-014	Inverter Training Board	custom-made	US\$682.98	30/08/19	NPIC	○
01-1-05-015	Inverter Training Board	custom-made	US\$682.98	30/08/19	NPIC	○
01-1-05-016	Inverter Training Board	custom-made	US\$682.98	30/08/19	NPIC	○
01-1-06-001	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-002	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-003	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-004	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-005	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-006	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-007	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-008	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-009	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-010	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-011	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-012	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-013	Motor for Star Delta	custom-made	US\$392.20	21/12/17	NPIC	○
01-1-06-014	Motor for Star Delta	custom-made	US\$392.20	30/08/19	NPIC	○
01-1-06-015	Motor for Star Delta	custom-made	US\$392.20	30/08/19	NPIC	○
01-1-06-016	Motor for Star Delta	custom-made	US\$392.20	30/08/19	NPIC	○
01-1-07-001	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-002	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-003	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-07-004	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-005	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-006	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-007	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-008	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-009	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-010	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-011	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-012	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-013	Motor Testing Board	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-07-014	Motor Testing Board	custom-made	US\$850.00	30/08/19	NPIC	○
01-1-07-015	Motor Testing Board	custom-made	US\$850.00	30/08/19	NPIC	○
01-1-07-016	Motor Testing Board	custom-made	US\$850.00	30/08/19	NPIC	○
01-1-08-001	Transformer	custom-made	US\$850.00	21/12/17	NPIC	○
01-1-51-001	Air Conditioner	Mitsubishi Inverter (R410A)	US\$843.23	2016/1/30	NPIC	○
01-1-51-002	Air Conditioner	Mitsubishi Inverter (R410A)	US\$844.23	2016/1/31	NPIC	○
01-1-51-003	Air Conditioner	Mitsubishi Inverter (R410A)	US\$845.23	2016/1/31	NPIC	○
01-1-09-001	Pneumatic training board	custom-made	US\$2,500.00	06/02/19	NPIC	○
01-1-09-002	Pneumatic training board	custom-made	US\$2,500.00	06/02/19	NPIC	○
01-1-09-003	Pneumatic training board	custom-made	US\$2,500.00	06/02/19	NPIC	○
01-1-09-004	Pneumatic training board	custom-made	US\$2,500.00	06/02/19	NPIC	○
01-1-09-005	Pneumatic training board	custom-made	US\$2,500.00	06/02/19	NPIC	○
01-1-09-006	Pneumatic training board	custom-made	US\$2,500.00	06/02/19	NPIC	○
01-1-09-007	Pneumatic training board	custom-made	US\$2,500.00	06/02/19	NPIC	○
01-1-10-001	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-002	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-003	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-004	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-005	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-006	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-007	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-008	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-10-009	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-010	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-011	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-012	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-013	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-014	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-015	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-016	Conveyor equipment	custom-made	US\$1,042.00	27/03/19	NPIC	○
01-1-10-017	Conveyor equipment	custom-made	US\$1,042.00	17/06/2020	NPIC	○
01-1-10-018	Conveyor equipment	custom-made	US\$1,042.00	17/06/2020	NPIC	○
01-1-10-019	Conveyor equipment	custom-made	US\$1,042.00	17/06/2020	NPIC	○
01-1-10-020	Conveyor equipment	custom-made	US\$1,042.00	17/06/2020	NPIC	○
01-1-10-021	Conveyor equipment	custom-made	US\$1,042.00	17/06/2020	NPIC	○
01-1-10-022	Conveyor equipment	custom-made	US\$1,042.00	17/06/2020	NPIC	○
01-1-10-023	Conveyor equipment	custom-made	US\$1,042.00	17/06/2020	NPIC	○
01-1-10-024	Conveyor equipment	custom-made	US\$1,042.00	17/06/2020	NPIC	○
01-1-11-001	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-002	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-003	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-004	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-005	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-006	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-007	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-008	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-009	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-010	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-011	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-012	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-013	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-014	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-015	PLC_40 I/O	custom-made	US\$997.00	27/03/2019	NPIC	○
01-1-11-016	PLC_40 I/O	custom-made	US\$997.00	27/03/19	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-11-017	PLC_40 I/O	custom-made	US\$997.00	17/06/2020	NPIC	○
01-1-11-018	PLC_40 I/O	custom-made	US\$997.00	17/06/2020	NPIC	○
01-1-11-019	PLC_40 I/O	custom-made	US\$997.00	17/06/2020	NPIC	○
01-1-11-020	PLC_40 I/O	custom-made	US\$997.00	17/06/2020	NPIC	○
01-1-11-021	PLC_40 I/O	custom-made	US\$997.00	17/06/2020	NPIC	○
01-1-11-022	PLC_40 I/O	custom-made	US\$997.00	17/06/2020	NPIC	○
01-1-11-023	PLC_40 I/O	custom-made	US\$997.00	17/06/2020	NPIC	○
01-1-11-024	PLC_40 I/O	custom-made	US\$997.00	17/06/2020	NPIC	○
01-1-12-001	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-002	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-003	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-004	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-005	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-006	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-007	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-008	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-009	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-010	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-011	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-012	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-12-013	Touch panel (HMI)	TS1070	US\$360.00	27/03/2019	NPIC	○
01-1-13-001	Water supply and drainage pump system	custom-made	US\$1,000.00	27/03/2019	NPIC	○
01-1-13-002	Water supply and drainage pump system	custom-made	US\$1,000.00	27/03/2019	NPIC	○
01-1-14-001	Torque driver SET	TOHNICHI	US\$448.00	27/03/2019	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-15-001	Camera for Projector	custom-made	US\$600.00	30/08/2019	NPIC	○
01-1-15-002	Camera for Projector	custom-made	US\$600.00	2020/8/12	NPIC	○
01-1-15-003	Camera for Projector	custom-made	US\$600.00	2020/8/12	NPIC	○
01-1-16-001	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-002	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-003	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-004	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-005	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-006	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-007	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-008	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-009	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-010	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-16-011	Control board assembly panel	custom-made	US\$898.00	31/01/2020	NPIC	○
01-1-17-001	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-002	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-003	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-004	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-005	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-006	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-007	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-008	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-009	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-010	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-011	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-012	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-013	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-014	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-015	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-016	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-017	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-018	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-17-019	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-020	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-021	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-022	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-023	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-17-024	PLC control panel	custom-made	US\$1,283.00	29/06/2020	NPIC	○
01-1-18-001	Sensor training board	custom-made	US\$1,135.00	25.02.2020	NPIC	○
01-1-18-002	Sensor training board	custom-made	US\$1,135.00	25.02.2020	NPIC	○
01-1-18-003	Sensor training board	custom-made	US\$1,135.00	25.02.2020	NPIC	○
01-1-18-004	Sensor training board	custom-made	US\$1,135.00	25.02.2020	NPIC	○
01-1-18-005	Sensor training board	custom-made	US\$1,135.00	25.02.2020	NPIC	○
01-1-18-006	Sensor training board	custom-made	US\$1,135.00	25.02.2020	NPIC	○
01-1-18-007	Sensor training board	custom-made	US\$1,135.00	25.02.2020	NPIC	○
01-1-19-001	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-002	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-003	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-004	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-005	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-006	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-007	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-008	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-009	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-010	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-19-011	Digital Oscilloscope	TBS1072B-EDU	US\$821.00	31/01/2020	NPIC	○
01-1-20-001	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-20-002	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-20-003	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-20-004	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-20-005	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-20-006	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-20-007	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-20-008	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-20-009	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-20-010	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-20-011	Function Generator	AFG1022	US\$1,028.00	31/01/2020	NPIC	○
01-1-21-001	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-002	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-003	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-004	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-005	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-006	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-007	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-008	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-009	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-010	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-011	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-012	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-013	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-014	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-015	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-016	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-21-017	DC Power Supply	GPS-3030D	US\$196.00	31/01/2020	NPIC	○
01-1-22-001	Label marker	KL-G2	US\$165.00	07/09/2020	NPIC	○
01-1-23-001	Induction Motor experiment board	custom-made	US\$12,260.00	07/09/2021	NPIC	○
01-1-24-001	Digital Insultion Continuity testers	3005A	US\$447.77	07/09/2022	NPIC	○
01-1-25-001	Earth Tester	4105A	US\$291.00	07/09/2023	NPIC	○
01-1-26-001	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-002	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-003	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-004	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-005	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-006	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-007	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-008	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○

NPIC

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
01-1-26-009	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-010	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-011	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-012	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-013	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-014	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-015	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-016	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-017	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-018	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-019	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-020	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-021	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-022	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-023	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-26-024	AD/DA Conveter	NA3AW03	US\$50.04	25/12/2020	NPIC	○
01-1-27-001	Bolt Slider	S-260-5	US\$230.00	25/12/2020	NPIC	○
01-1-27-002	Bolt Slider	S-260-5	US\$230.00	25/12/2020	NPIC	○
01-1-27-003	Bolt Slider	S-260-5	US\$230.00	25/12/2020	NPIC	○
01-1-28-001	Power High Tester	3333 (HIOKI)	US\$1,450.00	25/12/2020	NPIC	○
01-1-28-002	Power High Tester	3333 (HIOKI)	US\$1,450.00	25/12/2020	NPIC	○
01-1-28-003	Power High Tester	3333 (HIOKI)	US\$1,450.00	25/12/2020	NPIC	○
01-1-29-001	Power Quality Analyzer	6315-01 (KYORITSU)	US\$2,870.00	25/12/2020	NPIC	○
01-1-29-002	Power Quality Analyzer	6315-01 (KYORITSU)	US\$2,870.00	25/12/2020	NPIC	○
01-1-30-001	Temperature Control Board	custom-made	US\$845.48	25/12/2020	NPIC	○
01-1-30-002	Temperature Control Board	custom-made	US\$845.48	25/12/2020	NPIC	○
01-1-30-003	Temperature Control Board	custom-made	US\$845.48	25/12/2020	NPIC	○
01-1-31-001	AC Servo training board	custom-made	US\$2,833.42	25/12/2020	NPIC	○
01-1-31-002	AC Servo training board	custom-made	US\$2,833.42	25/12/2020	NPIC	○
01-1-31-003	AC Servo training board	custom-made	US\$2,833.42	25/12/2020	NPIC	○
01-1-31-004	AC Servo training board	custom-made	US\$2,833.42	25/12/2020	NPIC	○

PPI asset management sheet

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or ×)
02-1-01-001	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-002	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-003	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-004	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-005	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-006	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-007	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-008	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-009	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-010	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-011	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-012	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-013	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-014	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-015	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-016	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-017	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-018	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-019	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-020	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-021	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-022	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-023	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-024	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-025	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-026	Sequence Training Board	custom-made	\$515.71	22/12/2017	PPI	○
02-1-01-027	Sequence Training Board	custom-made	\$515.71	23/08/2019	PPI	○
02-1-01-028	Sequence Training Board	custom-made	\$515.71	23/08/2019	PPI	○
02-1-01-029	Sequence Training Board	custom-made	\$515.71	23/08/2019	PPI	○
02-1-02-001	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-002	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-003	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-004	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-005	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-006	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-007	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-008	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-009	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-010	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-011	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-012	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○
02-1-02-013	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	22/12/2017	PPI	○

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
02-1-02-014	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	23/08/2019	PPI	○
02-1-02-015	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	23/08/2019	PPI	○
02-1-02-016	PLC(FUJI Electric)	NAOP24T-31C	\$451.42	23/08/2019	PPI	○
02-1-03-001	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-002	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-003	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-004	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-005	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-006	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-007	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-008	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-009	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-010	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-011	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-012	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-013	Star Delta Staring Training Board	custom-made	\$762.45	22/12/2017	PPI	○
02-1-03-014	Star Delta Staring Training Board	custom-made	\$762.45	23/08/2019	PPI	○
02-1-03-015	Star Delta Staring Training Board	custom-made	\$762.45	23/08/2019	PPI	○
02-1-03-016	Star Delta Staring Training Board	custom-made	\$762.45	23/08/2019	PPI	○
02-1-04-001	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-002	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-003	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-004	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-005	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-006	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-007	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-008	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-009	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-010	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-011	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-012	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-013	Motor Control Board	custom-made	\$760.45	22/12/2017	PPI	○
02-1-04-014	Motor Control Board	custom-made	\$760.45	23/08/2019	PPI	○
02-1-04-015	Motor Control Board	custom-made	\$760.45	23/08/2019	PPI	○
02-1-04-016	Motor Control Board	custom-made	\$760.45	23/08/2019	PPI	○
02-1-04-017	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-018	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-019	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-020	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-021	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-022	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-023	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-024	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-025	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
02-1-04-026	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-027	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-028	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-029	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-04-030	Motor Control Board	custom-made	\$760.45	06/12/2020	PPI	○
02-1-05-001	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-002	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-003	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-004	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-005	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-006	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-007	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-008	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-009	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-010	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-011	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-012	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-013	Inverter Training Board	custom-made	\$682.98	22/12/2017	PPI	○
02-1-05-014	Inverter Training Board	custom-made	\$682.98	23/08/2019	PPI	○
02-1-05-015	Inverter Training Board	custom-made	\$682.98	23/08/2019	PPI	○
02-1-05-016	Inverter Training Board	custom-made	\$682.98	23/08/2019	PPI	○
02-1-06-001	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-002	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-003	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-004	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-005	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-006	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-007	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-008	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-009	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-010	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-011	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-012	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-013	Motor for Star Delta	custom-made	\$392.20	22/12/2017	PPI	○
02-1-06-014	Motor for Star Delta	custom-made	\$392.20	23/08/2019	PPI	○
02-1-06-015	Motor for Star Delta	custom-made	\$392.20	23/08/2019	PPI	○
02-1-06-016	Motor for Star Delta	custom-made	\$392.20	23/08/2019	PPI	○
02-1-07-001	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-002	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-003	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-004	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-005	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-006	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-007	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
02-1-07-008	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-009	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-010	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-011	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-012	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○
02-1-07-013	Motor Testing Board	custom-made	\$850.00	22/12/2017	PPI	○

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
02-1-07-014	Motor Testing Board	custom-made	\$850.00	23/08/2019	PPI	○
02-1-07-015	Motor Testing Board	custom-made	\$850.00	23/08/2019	PPI	○
02-1-07-016	Motor Testing Board	custom-made	\$850.00	23/08/2019	PPI	○
02-1-08-001	Transformer	custom-made	\$850.00	22/12/2017	PPI	○
02-1-09-001	Pneumatic training board	custom-made	\$2,500.00	06/02/19	PPI	○
02-1-09-002	Pneumatic training board	custom-made	\$2,500.00	06/02/19	PPI	○
02-1-09-003	Pneumatic training board	custom-made	\$2,500.00	06/02/19	PPI	○
02-1-09-004	Pneumatic training board	custom-made	\$2,500.00	06/02/19	PPI	○
02-1-09-005	Pneumatic training board	custom-made	\$2,500.00	06/02/19	PPI	○
02-1-09-006	Pneumatic training board	custom-made	\$2,500.00	06/02/19	PPI	○
02-1-09-007	Pneumatic training board	custom-made	\$2,500.00	06/02/19	PPI	○
02-1-10-001	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-002	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-003	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-004	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-005	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-006	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-007	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-008	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-009	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-010	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-011	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-012	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-013	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-014	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-015	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-016	Conveyor equipment	custom-made	\$1,042.00	22/03/19	PPI	○
02-1-10-017	Conveyor equipment	custom-made	\$1,042.00	06/12/2020	PPI	○
02-1-10-018	Conveyor equipment	custom-made	\$1,042.00	06/12/2020	PPI	○
02-1-10-019	Conveyor equipment	custom-made	\$1,042.00	06/12/2020	PPI	○
02-1-10-020	Conveyor equipment	custom-made	\$1,042.00	06/12/2020	PPI	○
02-1-10-021	Conveyor equipment	custom-made	\$1,042.00	06/12/2020	PPI	○
02-1-10-022	Conveyor equipment	custom-made	\$1,042.00	06/12/2020	PPI	○
02-1-10-023	Conveyor equipment	custom-made	\$1,042.00	06/12/2020	PPI	○
02-1-10-024	Conveyor equipment	custom-made	\$1,042.00	06/12/2020	PPI	○
02-1-11-001	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-002	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-003	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-004	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-005	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-006	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-007	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-008	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-009	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or ×)
02-1-11-010	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-011	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-012	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-013	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-014	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-015	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-016	PLC_40 I/O	custom-made	\$997.00	22/03/2019	PPI	○
02-1-11-017	PLC_40 I/O	custom-made	\$997.00	06/12/2020	PPI	○
02-1-11-018	PLC_40 I/O	custom-made	\$997.00	06/12/2020	PPI	○
02-1-11-019	PLC_40 I/O	custom-made	\$997.00	06/12/2020	PPI	○
02-1-11-020	PLC_40 I/O	custom-made	\$997.00	06/12/2020	PPI	○
02-1-11-021	PLC_40 I/O	custom-made	\$997.00	06/12/2020	PPI	○
02-1-11-022	PLC_40 I/O	custom-made	\$997.00	06/12/2020	PPI	○
02-1-11-023	PLC_40 I/O	custom-made	\$997.00	06/12/2020	PPI	○
02-1-11-024	PLC_40 I/O	custom-made	\$997.00	06/12/2020	PPI	○
02-1-12-001	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-002	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-003	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-004	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-005	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-006	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-007	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-008	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-009	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-010	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-011	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-012	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-12-013	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	PPI	○
02-1-13-001	Water supply and drainage pump system	custom-made	\$900.00	27/03/2019	PPI	○
02-1-13-002	Water supply and drainage pump system	custom-made	\$900.00	27/03/2019	PPI	○
02-1-14-001	Torque driver SET	TOHNICHI	\$448.00	27/03/2019	PPI	○
02-1-15-001	Camera for Projector	custom-made	\$600.00	30/08/2019	PPI	○
02-1-15-002	Camera for Projector	custom-made	\$600.00	12/08/2020	PPI	○
02-1-15-003	Camera for Projector	custom-made	\$600.00	12/08/2020	PPI	○

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
02-1-16-001	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-002	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-003	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-004	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-005	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-006	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-007	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-008	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-009	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-010	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-16-011	Control board assembly panel	custom-made	\$898.00	31/01/2020	PPI	○
02-1-17-001	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-002	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-003	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-004	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-005	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-006	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-007	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-008	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-009	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-010	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-011	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-012	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-013	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-014	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-015	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-016	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-017	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-018	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-019	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-020	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-021	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-022	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-023	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-17-024	PLC control panel	custom-made	\$1,283.00	29/06/2020	PPI	○
02-1-18-001	Sensor training board	custom-made	\$1,135.00	25/02/2020	PPI	○
02-1-18-002	Sensor training board	custom-made	\$1,135.00	25/02/2020	PPI	○
02-1-18-003	Sensor training board	custom-made	\$1,135.00	25/02/2020	PPI	○
02-1-18-004	Sensor training board	custom-made	\$1,135.00	25/02/2020	PPI	○
02-1-18-005	Sensor training board	custom-made	\$1,135.00	25/02/2020	PPI	○
02-1-18-006	Sensor training board	custom-made	\$1,135.00	25/02/2020	PPI	○
02-1-18-007	Sensor training board	custom-made	\$1,135.00	25/02/2020	PPI	○
02-1-19-001	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-19-002	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or x)
02-1-19-003	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-19-004	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-19-005	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-19-006	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-19-007	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-19-008	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-19-009	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-19-010	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-19-011	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	PPI	○
02-1-20-001	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-002	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-003	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-004	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-005	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-006	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-007	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-008	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-009	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-010	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-20-011	Function Generator	AFG1022	\$1,028.00	31/01/2020	PPI	○
02-1-21-001	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-002	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-003	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-004	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-005	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-006	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-007	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-008	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-009	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-010	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-011	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-012	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-013	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-014	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-015	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-016	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-21-017	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	PPI	○
02-1-22-001	Label marker	KL-G2	\$165.00	09/07/2020	PPI	○
02-1-23-001	Induction Motor experiment board	custom-made	\$12,260.00	09/07/2020	PPI	○

NTTI asset management sheet

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-01-001	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-002	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-003	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-004	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-005	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-006	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-007	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-008	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-009	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-010	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-011	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-012	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-013	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-014	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-015	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-016	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-017	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-018	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-019	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-020	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-021	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-022	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-023	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-024	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-025	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-026	Sequence Training Board	custom-made	\$515.71	25/12/2017	NTTI		○
03-1-01-027	Sequence Training Board	custom-made	\$515.71	23/08/19	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-01-028	Sequence Training Board	custom-made	\$515.71	23/08/19	NTTI		○
03-1-01-029	Sequence Training Board	custom-made	\$515.71	23/08/19	NTTI		○
03-1-02-001	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-002	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-003	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-004	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-005	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-006	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-007	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-008	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-009	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-010	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-011	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-012	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-013	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	NTTI		○
03-1-02-014	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	23/08/19	NTTI		○
03-1-02-015	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	23/08/19	NTTI		○
03-1-02-016	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	23/08/19	NTTI		○
03-1-03-001	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-002	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-003	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-004	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-005	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-006	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-007	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-008	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-009	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-010	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-03-011	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-012	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-013	Star Delta Staring Training Board	custom-made	\$762.45	25/12/2017	NTTI		○
03-1-03-014	Star Delta Staring Training Board	custom-made	\$762.45	23/08/19	NTTI		○
03-1-03-015	Star Delta Staring Training Board	custom-made	\$762.45	23/08/19	NTTI		○
03-1-03-016	Star Delta Staring Training Board	custom-made	\$762.45	23/08/19	NTTI		○
03-1-04-001	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-002	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-003	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-004	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-005	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-006	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-007	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-008	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-009	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-010	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-011	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-012	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-013	Motor Control Board	custom-made	\$760.45	25/12/2017	NTTI		○
03-1-04-014	Motor Control Board	custom-made	\$760.45	23/08/19	NTTI		○
03-1-04-015	Motor Control Board	custom-made	\$760.45	23/08/19	NTTI		○
03-1-04-016	Motor Control Board	custom-made	\$760.45	23/08/19	NTTI		○
03-1-04-017	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-018	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-019	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-020	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-021	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-022	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-04-023	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-024	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-025	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-026	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-027	Motor Control Board	custom-made	\$760.45	07/12/2020	NTTI		○
03-1-04-028	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-029	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-04-030	Motor Control Board	custom-made	\$760.45	06/12/2020	NTTI		○
03-1-05-001	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-002	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-003	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-004	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-005	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-006	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-007	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-008	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-009	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-010	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-011	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-012	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-013	Inverter Training Board	custom-made	\$682.98	25/12/2017	NTTI		○
03-1-05-014	Inverter Training Board	custom-made	\$682.98	23/08/19	NTTI		○
03-1-05-015	Inverter Training Board	custom-made	\$682.98	23/08/19	NTTI		○
03-1-05-016	Inverter Training Board	custom-made	\$682.98	23/08/19	NTTI		○
03-1-06-001	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-002	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-003	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-004	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-06-005	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-006	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-007	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-008	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-009	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-010	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-011	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-012	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-013	Motor for Star Delta	custom-made	\$392.20	25/12/2017	NTTI		○
03-1-06-014	Motor for Star Delta	custom-made	\$392.20	23/08/19	NTTI		○
03-1-06-015	Motor for Star Delta	custom-made	\$392.20	23/08/19	NTTI		○
03-1-06-016	Motor for Star Delta	custom-made	\$392.20	23/08/19	NTTI		○
03-1-07-001	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-002	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-003	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-004	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-005	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-006	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-007	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-008	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-009	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-010	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-011	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-012	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-013	Motor Testing Board	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-07-014	Motor Testing Board	custom-made	\$850.00	23/08/19	NTTI		○
03-1-07-015	Motor Testing Board	custom-made	\$850.00	23/08/19	NTTI		○
03-1-07-016	Motor Testing Board	custom-made	\$850.00	23/08/19	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-08-001	Transformer	custom-made	\$850.00	25/12/2017	NTTI		○
03-1-09-001	Pneumatic training board	custom-made	\$2,500.00	06/02/2019	NTTI		○
03-1-09-002	Pneumatic training board	custom-made	\$2,500.00	06/02/2019	NTTI		○
03-1-09-003	Pneumatic training board	custom-made	\$2,500.00	06/02/2019	NTTI		○
03-1-09-004	Pneumatic training board	custom-made	\$2,500.00	06/02/2019	NTTI		○
03-1-09-005	Pneumatic training board	custom-made	\$2,500.00	06/02/2019	NTTI		○
03-1-09-006	Pneumatic training board	custom-made	\$2,500.00	06/02/2019	NTTI		○
03-1-09-007	Pneumatic training board	custom-made	\$2,500.00	06/02/2019	NTTI		○
03-1-10-001	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-002	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-003	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-004	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-005	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-006	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-007	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-008	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-009	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-010	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-011	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-012	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-013	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-014	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-015	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-016	Conveyor equipment	custom-made	\$1,042.00	22/03/2019	NTTI		○
03-1-10-017	Conveyor equipment	custom-made	\$1,042.00	2020/12/6	NTTI		○
03-1-10-018	Conveyor equipment	custom-made	\$1,042.00	2020/12/6	NTTI		○
03-1-10-019	Conveyor equipment	custom-made	\$1,042.00	2020/12/6	NTTI		○
03-1-10-020	Conveyor equipment	custom-made	\$1,042.00	2020/12/6	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-10-021	Conveyor equipment	custom-made	\$1,042.00	2020/12/6	NTTI		○
03-1-10-022	Conveyor equipment	custom-made	\$1,042.00	2020/12/6	NTTI		○
03-1-10-023	Conveyor equipment	custom-made	\$1,042.00	2020/12/6	NTTI		○
03-1-10-024	Conveyor equipment	custom-made	\$1,042.00	2020/12/6	NTTI		○
03-1-11-001	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-002	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-003	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-004	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-005	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-006	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-007	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-008	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-009	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-010	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-011	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-012	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-013	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-014	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-015	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-016	PLC_40 I/O	custom-made	\$997.00	22/03/2019	NTTI		○
03-1-11-017	PLC_40 I/O	custom-made	\$997.00	2020/12/6	NTTI		○
03-1-11-018	PLC_40 I/O	custom-made	\$997.00	2020/12/6	NTTI		○
03-1-11-019	PLC_40 I/O	custom-made	\$997.00	2020/12/6	NTTI		○
03-1-11-020	PLC_40 I/O	custom-made	\$997.00	2020/12/6	NTTI		○
03-1-11-021	PLC_40 I/O	custom-made	\$997.00	2020/12/6	NTTI		○
03-1-11-022	PLC_40 I/O	custom-made	\$997.00	2020/12/6	NTTI		○
03-1-11-023	PLC_40 I/O	custom-made	\$997.00	2020/12/6	NTTI		○
03-1-11-024	PLC_40 I/O	custom-made	\$997.00	2020/12/6	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-12-001	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-002	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-003	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-004	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-005	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-006	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-007	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-008	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-009	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-010	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-011	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-012	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-12-013	Touch panel (HMI)	TS1070	\$360.00	27/03/2019	NTTI		○
03-1-13-001	Water supply and drainage pump system	custom-made	\$900.00	27/03/2019	NTTI		○
03-1-13-002	Water supply and drainage pump system	custom-made	\$900.00	27/03/2019	NTTI		○
03-1-14-001	Torque driver SET	TOHNICHI	\$448.00	27/03/2019	NTTI		○
03-1-15-001	Camera for Projector	custom-made	\$600.00	30/08/2019	NTTI		○
03-1-15-002	Camera for Projector	custom-made	\$600.00	2020/8/12	NTTI		○
03-1-15-003	Camera for Projector	custom-made	\$600.00	2020/8/12	NTTI		○
03-1-16-001	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-16-002	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-16-003	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-16-004	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-16-005	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-16-006	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-16-007	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-16-008	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-16-009	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-16-010	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-16-011	Control board assembly panel	custom-made	\$898.00	31/01/2020	NTTI		○
03-1-17-001	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-002	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-003	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-004	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-005	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-006	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-007	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-008	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-009	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-010	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-011	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-012	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-013	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-014	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-015	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-016	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-017	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-018	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-019	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-020	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-021	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-022	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-023	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-17-024	PLC control panel	custom-made	\$1,283.00	29/06/20	NTTI		○
03-1-18-001	Sensor training board	custom-made	\$1,135.00	25.02.2020	NTTI		○
03-1-18-002	Sensor training board	custom-made	\$1,135.00	25.02.2020	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-18-003	Sensor training board	custom-made	\$1,135.00	25.02.2020	NTTI		○
03-1-18-004	Sensor training board	custom-made	\$1,135.00	25.02.2020	NTTI		○
03-1-18-005	Sensor training board	custom-made	\$1,135.00	25.02.2020	NTTI		○
03-1-18-006	Sensor training board	custom-made	\$1,135.00	25.02.2020	NTTI		○
03-1-18-007	Sensor training board	custom-made	\$1,135.00	25.02.2020	NTTI		○
03-1-19-001	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-002	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-003	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-004	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-005	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-006	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-007	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-008	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-009	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-010	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-19-011	Digital Oscilloscope	TBS1072B-EDU	\$821.00	31/01/2020	NTTI		○
03-1-20-001	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-002	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-003	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-004	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-005	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-006	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-007	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-008	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-009	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-010	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-20-011	Function Generator	AFG1022	\$1,028.00	31/01/2020	NTTI		○
03-1-21-001	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○

NTTI

Serial No	Equipment Name	Model	Amount (USD)	Acquisition Date	Storage Location	Manager	Usable (○ or ×)
03-1-21-002	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-003	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-004	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-005	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-006	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-007	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-008	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-009	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-010	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-011	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-012	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-013	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-014	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-015	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-016	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-21-017	DC Power Supply	GPS-3030D	\$196.00	31/01/2020	NTTI		○
03-1-22-001	Label marker	KL-G2	\$165.00	2020/7/9	NTTI		○
03-1-23-001	Induction Motor experiment board	custom-made	\$12,260.00	2020/7/9	NTTI		○

<For technical seminar/event demo use>

Serial No	Equipment Name	Model	Amount (USD)	Date of granting	Storage Location	Usable (○ or ×)
00-1-01-003	Sequence Training Board	custom-made	\$515.71	12/03/2021	NPIC	○
00-1-01-010	Sequence Training Board	custom-made	\$515.71	12/03/2021	NPIC	○
00-1-02-003	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	12/03/2021	NPIC	○
00-1-02-010	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	12/03/2021	NPIC	○
00-1-03-001	Star Delta Staring Training Board	custom-made	\$762.45	12/03/2021	NPIC	○
00-1-03-002	Star Delta Staring Training Board	custom-made	\$762.45	12/03/2021	NPIC	○
00-1-04-001	Motor Control Board	custom-made	\$760.45	12/03/2021	NPIC	○
00-1-04-002	Motor Control Board	custom-made	\$760.45	12/03/2021	NPIC	○
00-1-05-001	Inverter Training Board	custom-made	\$682.98	12/03/2021	NPIC	○
00-1-05-002	Inverter Training Board	custom-made	\$682.98	12/03/2021	NPIC	○
00-1-06-001	Motor for Star Delta	custom-made	\$762.45	12/03/2021	NPIC	○
00-1-06-002	Motor for Star Delta	custom-made	\$762.45	12/03/2021	NPIC	○
00-1-07-001	Motor Testing Board	custom-made	\$850.00	12/03/2021	NPIC	○
00-1-07-002	Motor Testing Board	custom-made	\$850.00	12/03/2021	NPIC	○
00-1-08-001	Transformer	custom-made	\$850.00	12/03/2021	NPIC	○
00-1-09-001	Conveyor equipment	custom-made	\$1,042.00	12/03/2021	NPIC	○
00-1-09-002	Conveyor equipment	custom-made	\$1,042.00	12/03/2021	NPIC	○
00-1-09-003	Conveyor equipment	custom-made	\$1,042.00	12/03/2021	NPIC	○
00-1-10-001	PLC_40 I/O	custom-made	\$997.00	12/03/2021	NPIC	○
00-1-10-002	PLC_40 I/O	custom-made	\$997.00	12/03/2021	NPIC	○

RPITSB the asset management sheet

Serial No	Equipment Name	Model	Amount (USD)	Date of Granting	Storage Location	Usable (○ or ×)
04-1-01-001	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-002	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-003	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-004	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-005	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-006	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-007	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-008	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-009	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-010	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-01-011	Electrical Maintenance Training Board	custom-made	\$515.71	25/12/2017	RPITSB	○
04-1-02-001	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	RPITSB	○
04-1-02-002	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	RPITSB	○
04-1-02-003	PLC(FUJI Electric)	NA0P24T-31C	\$451.42	25/12/2017	RPITSB	○

Non-technical Equipment Provision List

MLVT

No.	Equipment No.	Arrival Site/ Purchase Day	Equipment Name	Model	Manufacturer/ supplier co.,	Total Amount (USD)	Date of Granting	Grant Qty	Place of using, keeping	Responsible C/P
1	15-3-000643	2015/12/30	Laptop PC	Dell Latitude E6440, Windows, MS Office		1750	2021/3/18	1	PJ activities	MLVT
2	19-3-001404	2020/1/14	Air purifier	Hitachi EP-A9000		711.55	2021/3/18	1	NTTI PJ office	MLVT
3	19-3-001405	2020/1/14	Air purifier	Hitachi EP-A9000		711.55	2021/3/18	1	NTTI PJ office	MLVT
4	16-3-000075	2016/6/17	4WD vehicle (OI-7550)	Mitsubishi Pajero		31850	2021/3/18	1	PJ activities	MLVT
5	15-3-002100	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)		743.6	2021/3/18	1	PJ activities	MLVT
6	15-3-000640	2016/1/11	Desktop PC	Dell OptiPlex 3020		553	2021/3/18	1	PJ activities	MLVT
7	16-3-002111	2017/2/27	Desktop PC	Dell 3040MT (18-inch monitor)		485	2021/3/18	1	PJ activities	MLVT
8	15-3-001366	2016/3/11	Photocopier	Ricoh MP2501L		2395	2021/3/18	1	PJ activities	MLVT
9	16-3-003971	2016/9/19	Safety box	Hanami		160	2021/3/18	1	MLTV Office	MLVT
10	15-3-001369	2016/2/16	Laptop PC	Dell Latitude 3450		820	2021/3/18	1	PJ activities	MLVT

MLVT

No.	Equipment No.			Arrival Site/ Purchase Day	Equipment Name	Model	Manufacturer/ supplier co.,	Total Amount (USD)	Date of Granting	Grant Qty	Place of using, keeping	Responsible C/P
11	A	15	016	2016/02/01	Digital camera	Nikon Coolpix S6900	Nikon	\$283.80	2021/3/18	1	PJ Office	MLVT
12	A	16	002	2016/06/07	External Hard Disk	Transcend StoreJet 2TB C915030941	Taiwan/Anana	\$264.00	2021/3/18	2	PJ Office	MLVT
13	A	15	042	2016/03/16	Sliding glass door Cabinet	SG72 Standard (W900*H400*H1800)	LEECO Shop	\$332.00	2021/3/18	1	PJ Office	MLVT
14	A	15	002	2015/10/20	Swivel Chair	PCH7118 (black)	President furniture shop	\$391.60	2021/3/18	2	PJ Office	MLVT
15	A	15	006	2015/10/27	Office Desk with 3 drawers	EAGLE (ED42+g)	President furniture shop	\$478.50	2021/3/18	2	PJ Office	MLVT
16	A	15	026	2016/2/23	Refrigerator Inverter	HITACHI R-H200PA, Two doors/Inverter	Sunsimixco	\$285.00	2021/3/18	1	PJ Office	MLVT
17	A	15	001	2015/10/20	Laser printer (B/W)	HP LaserJet ProMFP M225dn,	HP/Anana	\$280.00	2021/3/18	1	MLVT Office	MLVT
18	A	15	007	02/11/2015	Vaccum cleaner	Panasonic MC- CG300,S/N:20150403-	NOJIMA, AEON mall	\$72.00	2021/3/18	1	MLVT Office	MLVT
19	A	16	008	02/11/2016	Portable speaker and 2 microphones set			\$265.00	2021/3/18	1	MLVT office	MLVT
20	A	15	030	11/03/2016	Office Desk	OD3(W1200*D700*H7 50)	Malaysia/ LEECO	\$132.00	2021/3/18	1	MLVT Office	MLVT
21	A	15	032	11/03/2016	Meeting table	SO1224(W2400*D120 0*H750)	Malaysia/ LEECO	\$185.00	2021/3/18	1	MLVT Office	MLVT
22	A	15	033	11/03/2016	Swivel Chair	F451B (black)	Malaysia/ LEECO	\$75.00	2021/3/18	1	MLVT Office	MLVT
23	A	15	034	11/03/2016	Fixed Chair	FX114-black	Malaysia/ LEECO	\$144.00	2021/3/18	8	MLVT Office	MLVT
24	A	15	041	16/03/2016	Office Desk	OD3(W1200*D700*H7 50)	LEECO Shop	\$264.00	2021/3/18	1	1MLVT,1NTTI	MLVT
25	A	15	042	16/03/2016	Sliding glass door Cabinet	SG72 Standard (W900*H400*H1800)	LEECO Shop	\$332.00	2021/3/18	1	MLVT Office	MLVT
26	A	15	002	20/10/2015	Swivel Chair	PCH7118 (black)	President furniture shop	\$391.60	2021/3/18	2	MLVT Office	MLVT
27	A	16	006	26/08/2016	Whiteboard plus stand	W150*H90cm	Internal Book Center (IBC)	\$125.00	2021/3/18	1	MLVT office	MLVT
28	A	15	006	27/10/2015	Office Desk with 3 drawers	EAGLE (ED42+g)	President furniture shop	\$478.50	2021/3/18	1	MLVT Office	MLVT
29	A	20	001	05/03/2021	External Hard Disk for STP docu	Transcend StoreJet H3	Transcend	\$53.00	2021/3/18	1	MLVT Office	MLVT
30	A	20	002	05/03/2021	External Hard Disk for STP docu	Transcend StoreJet H3	Transcend	\$53.00	2021/3/18	1	MLVT	MLVT

NPIC

No.	Equipment No.	Arrival Site/ Purchase Day	Equipment Name	Model	Manufacturer/ supplier co.,	Total Amount (USD)	Date of Granting	Grant Qty	Place of using, keeping
1	15-3-002109	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)		\$827.23	2021/3/18	1	NPIC (Work shop)
2	15-3-002110	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)		\$827.23	2021/3/18	1	NPIC (Work shop)
3	15-3-002111	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)		\$827.23	2021/3/18	1	NPIC Office
4	15-3-002112	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)		\$827.23	2021/3/18	1	NPIC Office
5	15-3-001367	2016/3/11	LCD Projector	Casio		\$792.00	2021/3/18	1	NPIC Office
6	15-3-001374	2016/3/11	Photocopier	Ricoh MP2501L		\$2,395.00	2021/3/18	1	NPIC (Admin Office)
7	18-3-004694	2019/8/22	Practice desks for NPIC new practice room	Leeco		\$102.03	2021/3/18	1	NPIC Workshop
8	14-3-000349	2014/8/14	Safe box	HANMI SAFE HS-38D		\$170.00	2021/3/18	1	NPIC Office
9	15-3-002107	2016/5/19	Server	Dell PowerEdge T110II		\$1,505.00	2021/3/18	1	NPIC (Server room)
10	15-3-001370	2016/3/11	Laptop PC	Dell Latitude 3450		\$820.00	2021/3/18	1	NPIC Office
11	15-3-001371	2016/3/11	Laptop PC	Dell Latitude 3450		\$820.00	2021/3/18	1	NPIC Office
12	15-3-000642	2016/1/11	Desktop PC	Dell OptiPlex 9020, Windows, MS Office		\$1,305.00	2021/3/18	1	NPIC Office
13	16-3-003970	2018/2/15	LCD monitor and PC set	Dell		\$1,548.25	2021/3/18	1	NPIC Office
14	17-3-001559	2018/2/12	Sliding glass cabinet for NPIC PJ Office	Leeco		\$308.00	2021/3/18	1	NPIC Office
15	18-3-004688	2018/12/25	Steel shelf for NPIC PJ Office	Fuli		\$285.00	2021/3/18	1	NPIC Office
16	15-3-002108	2016/3/16	Desktop PC	Dell OptiPlex 3020 MT		\$475.00	2021/3/18	1	NPIC Office
17	16-3-002109	2016/12/29	A3 Monochrome laserjet printer	Fuji Xerox DP3105		\$1,115.00	2021/3/18	1	NPIC Office
18	17-3-000819	2017/5/31	Photocopier	Fiji Xerox DocuCentre-V4070 CPS		\$7,040.00	2021/3/18	1	NPIC Office
19	17-3-001561	2017/7/24	Steel cabinet for equipment (NPIC Office)	Leeco		\$276.80	2021/3/18	1	NPIC Office
20	15-3-001587	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
21	15-3-001588	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
22	15-3-001589	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
23	15-3-001590	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
24	15-3-001591	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
25	15-3-001592	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
26	15-3-001593	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
27	15-3-001594	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
28	15-3-001595	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
29	15-3-001596	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
30	15-3-001597	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
31	15-3-001598	2016/3/18	Laptop PC	Dell Inspiron 5000, Windows8.1, MSOffice		\$1,015.00	2021/3/18	1	NPIC Office
32	17-3-000504	2017/7/21	Tube Marking Machine	MAX LM-390A		\$772.73	2021/3/18	1	NPIC Office
33	16-3-002003	2016/12/26	Electric Training Board	custom-made		\$515.71	2021/3/18	1	NPIC Office
34	16-3-002010	2016/12/26	Electric Training Board	custom-made		\$515.71	2021/3/18	1	NPIC Office
35	17-3-000544	2017/9/29	Inverter Panel	custom made, incl.10 kinds of parts		\$682.98	2021/3/18	1	NPIC (Work shop)
36	17-3-000547	2017/9/29	Inverter Panel	custom made, incl.10 kinds of parts		\$682.98	2021/3/18	1	NPIC (Work shop)
37	17-3-000598	2017/9/29	Motor Control Device	custom made, incl.8 kinds of parts		\$850.00	2021/3/18	1	NPIC (Work shop)
38	17-3-000600	2017/9/29	Motor Control Device	custom made, incl.8 kinds of parts		\$850.00	2021/3/18	1	NPIC (Work shop)
39	16-3-003555	2017/3/22	Motor Control Panel	custom made, incl.21 kinds of parts		\$760.45	2021/3/18	1	NPIC (Store Room)
40	16-3-003560	2017/3/22	Motor Control Panel	custom made, incl.21 kinds of parts		\$760.45	2021/3/18	1	NPIC (Store Room)
41	16-3-003603	2017/3/22	PLC	custom made, incl.3 kinds of parts		\$451.42	2021/3/18	1	NPIC Office
42	16-3-003610	2017/3/22	PLC	custom made, incl.3 kinds of parts		\$451.42	2021/3/18	1	NPIC Office
43	18-3-000935	2018/12/7	PLC Box	custom made, incl.6 kinds of parts		\$997.00	2021/3/18	1	NPIC Office
44	18-3-000936	2018/12/7	PLC Box	custom made, incl.6 kinds of parts		\$997.00	2021/3/18	1	NPIC Office
45	15-3-002105	2016/3/14	PLC software	Fuji Electrics NP 4H-SWN/SEDBV3		\$2,750.00	2021/3/18	1	NPIC Office
46	16-3-003501	2017/3/22	Star Delta Control Panel	custom made, incl.23 kinds of parts		\$762.45	2021/3/18	1	NPIC Office

NPIC

No.	Equipment No.	Arrival Site/ Purchase Day	Equipment Name	Model	Manufacturer/ supplier co.,	Total Amount (USD)	Date of Granting	Grant Qty	Place of using, keeping
47	16-3-003502	2017/3/22	Star Delta Control Panel		custom made, incl.23 kinds of parts	\$762.45	2021/3/18	1	NPIC Office
48	18-3-000933	2018/12/7	Sequence Control Panel		custom made, incl.28 kinds of parts	\$1,042.00	2021/3/18	1	NPIC Office
49	18-3-000934	2018/12/7	Sequence Control Panel		custom made, incl.28 kinds of parts	\$1,042.00	2021/3/18	1	NPIC Office

NPIC

No.	Equipment No.	Arrival Site/ Purchase Day	Equipment Name	Model	Manufacturer/ supplier co.,	Total Amount (USD)	Date of Granting	Grant Qty	Place of using, keeping
1	A 16 012	13/02/2017	Holesaw drill for technical training	Makita(D-21652, D-33657)	Makita cooperation, Chin	\$244.20	2021/3/18	6	NPIC PJ Office
2	A 17 004	06/11/2017	Cordless driver for electrical practice	Makita(DF332DWAE)	Makita cooperation, Chin	\$1,167.87	2021/3/18	6	NPIC PJ Office
3	A 17 005	08/11/2017	(HMI) touch panel for technical seminar	Fuji		\$4,680.00	2021/3/18	13	NPIC
4	A 17 006	08/12/2017	Transformer for practice			\$960.32	2021/3/18	1	NPIC PJ Office
5	A 17 007	12/03/2018	Multi testers (digital 9, Analog 11) Electrical tools for technical seminar			\$1,480.00	2021/3/18	20	NPIC PJ Office
6	A 16 015	14/03/2017	(10Wire strier+10Crimp tool for control panel)	HOZAN		\$1,050.00	2021/3/18	20	
7	A 16 014	2017/03/07	Printer accessories (Duplex unit+Tray)			\$670.00	2021/3/18	1	NPIC PJ Office
8	A 15 018	2016/2/15	Label printing (TEPRA)	Teptra Pro SR 920	King Jing Co., Ltd.	\$320.00	2021/3/18	1	NPIC PJ Office
9	A 15 011	2016/1/26	Refrigerator Inverter system	HITACHI R-H200PA, Two doors Refrigerator	Sunsimixco	\$285.00	2021/3/18	1	NPIC PJ Office
10	A 15 012	2016/1/27	Office Desk with 3 drawers	EAGLE (ED1400)	President furniture shop	\$585.00	2021/3/18	2	NPIC PJ Office
11	A 15 013	2016/1/27	Sliding glass door Cabinet	ECG6 (WDH: 900*450*1850mm)	President furniture shop	\$150.00	2021/3/18	1	NPIC PJ Office
12	A 17 003	2017/08/28	Sliding glass door Cabinet			\$308.00	2021/3/18	1	NPIC PJ Office
13	A 18 004	02/07/2018	Practice desks for NPIC new bldg workshop			\$1,815.00	2021/3/18	15	NPIC New building
14	A 15 028	07/03/2016	heavy duty shelves for equipment storage		FULI	\$1,238.60	2021/3/18	3	NPIC
15	A 15 029	07/03/2016	Cart for equipment storage		FULI	\$266.80	2021/3/18	1	NPIC
16	A 16 003	07/06/2016	Sliding class door Cabinet	SG72B Standard (w1200*D465*H2100)	LEECO Shop	\$279.00	2021/3/18	1	NPIC Workshop
17	A 18 003	07/06/2018	NPIC Job Fair Booth			\$475.00	2021/3/18	5	NPIC
18	A 16 004	08/06/2016	Whiteboard-fixed type	(W240*H120)	Internal Book Center (IBC)	\$270.00	2021/3/18	1	NPIC
19	A 15 031	11/03/2016	Desk for workshop	HU18(W1800*D700*H750)	Malaysia/ LEECO	\$102.00	2021/3/18	1	NPIC Workshop
20	A 16 013	15/02/2017	Event Booth			\$2,850.00	2021/3/18	10	
21	A 15 019	16/02/2016	Desk for workshop	HU18(W1800*D700*H750)	LEECO Shop	\$1,122.00	2021/3/18	11	NPIC Workshop
22	A 15 022	16/02/2016	Sliding class door Cabinet	Standard SG(W1200*D465*H1850)	LEECO Shop	\$266.00	2021/3/18	1	NPIC
23	A 15 023	16/02/2016	Swivel Chair	F451B (black)	LEECO Shop	\$150.00	2021/3/18	2	NPIC
24	A 15 036	16/03/2016	Inverter for training	Frenic-MINI Inverter-FRN0006C2S-7A (0.75KW)	Hao phuong Cambodia Co.,Ltd	\$10,927.68	2021/3/18	16	NPIC Workshop
25	A 15 037	16/03/2016	Vaccum cleaner	Panasonic MC-CG300	NOJIMA, AEON mall	\$144.00	2021/3/18	2	NPIC PJ Office
26	A 15 038	16/03/2016	Electric fan	Panasonic Stand fan		\$195.00	2021/3/18	1	NPIC PJ Office
27	A 15 008	20/01/2016	Whitebaord plus stand	Size (W:150 x H:90)	Internal Book Center (IBC)	\$280.50	2021/3/18	2	NPIC
28	A 16 009	20/12/2016	Booth for Job fair			\$1,500.00	2021/3/18	10	NPIC
29	A 17 002	22/06/2017	Steel shelves for NPIC's Electrical Wiring Room(600kg=4, 400Kg=3)	Fuli		\$1,595.80	2021/3/18	7	NPIC PJ Office
30	A 15 010	25/01/2016	Whitebaord fixed type	Whiteboard-fixed (W150*H100)	Internal Book Center (IBC)	\$105.13	2021/3/18	1	NPIC PJ Office
31	A 15 012	27/01/2016	Office Desk with 3 drawers	EAGLE (ED1400)	President furniture shop	\$585.00	2021/3/18	1	NPIC PJ Office
32	A 15 014	27/01/2016	Meeting table	Melaine (W3100) PM 116-578	President furniture shop	\$400.00	2021/3/18	1	NPIC PJ Office
33	A 15 015	27/01/2016	Swivel Chair	PCH 1100	President furniture shop	\$540.00	2021/3/18	10	NPIC PJ Office
34	A 20 003	05/03/2021	External Hard Disk for STP document bac	Transcend StoreJet H3 1TB	Transcend	\$53.00	2021/3/18	1	NPIC

NTTI

No.	Equipment No.	Arrival Site/ Purchase Day	Equipment Name	Model	Total Amount (USD)	Date of Granting	Grant Qty	Place of using, keeping
1	18-3-004709	2019/9/10	A/C for NTTI workshop new store room	Mitsubishi SRK-10YN-S7 1.0 HP	\$582.89	2021/3/18	1	NTTI Workshop
2	15-3-001372	2016/3/11	Photocopier	Ricoh MP2501L	\$2,395.00	2021/3/18	1	NTTI Office
3	15-3-002106	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)	\$958.65	2021/3/18	1	NTTI Office
4	16-3-002110	2017/2/27	Air Conditioner for PJ Office	Panasonic	\$503.80	2021/3/18	1	MLVT Office
5	17-3-002056	2018/4/2	Air Conditioner for NTTI new workshop	Mitsubishi	\$616.18	2021/3/18	1	NTTI Workshop 2
6	17-3-002057	2018/4/2	Air Conditioner for NTTI new workshop	Mitsubishi	\$616.18	2021/3/18	1	NTTI Workshop 2
7	17-3-002066	2018/4/2	Air Conditioner for NTTI new workshop	Mitsubishi	\$616.18	2021/3/18	1	NTTI Workshop 2
8	15-3-000641	2016/1/11	LCD Projector	Casio	\$792.00	2021/3/18	1	MLTV Office
9	19-3-001605	2020/3/3	Steel Cabinet for NTTI PJ Office	3DVFC-(PH)	\$99.00	2021/3/18	1	NTTI PJ office
10	19-3-001606	2020/3/3	Steel Cabinet for NTTI PJ Office	3DVFC-(PH)	\$99.00	2021/3/18	1	NTTI PJ office

NTTI

No.	Equipment No.			Arrival Site/ Purchase Day	Equipment Name	Model	Total Amount (USD)	Date of Granting	Grant Qty	Place of using, keeping
1	A	16	001	07/06/2016	Desk for workshop	SOA 180(W1800*D700*H750)	\$918.00	2021/3/18	9	NTTI workshop
2	A	16	004	08/06/2016	Whiteboard-fixed type	(W240*H120)	\$270.00	2021/3/18	2	2NTTI
3	A	15	035	11/03/2016	Chair (foldable)	G04AM-blue	\$144.00	2021/3/18	6	NTTI office
4	A	16	013	15/02/2017	Event Booth		\$2,850.00	2021/3/18	10	
5	A	15	020	16/02/2016	Office Desk	SCE167(W1600*D700*H750)	\$263.00	2021/3/18	1	NTTI PJ office
6	A	15	023	16/02/2016	Swivel Chair	F451B (black)	\$150.00	2021/3/18	2	NTTI
7	A	15	024	16/02/2016	Meeting table	PV60	\$145.00	2021/3/18	1	NTTI PJ office
8	A	15	025	16/02/2016	Fixed Chair	PM20-1 Red color	\$172.00	2021/3/18	4	NTTI PJ office
9	A	15	039	16/03/2016	Heavy duty shelves for equipment storage		\$318.30	2021/3/18	1	NTTI workshop
10	A	15	040	16/03/2016	Cart for equipment storage		\$133.40	2021/3/18	1	NTTI workshop
11	A	15	041	16/03/2016	Office Desk	OD3(W1200*D700*H750)	\$264.00	2021/3/18	1	1MLVT,1NTTI
12	A	15	043	16/03/2016	Sliding glass door Cabinet	SG72B Standard (w1200*D465*H2100)	\$279.00	2021/3/18	1	NTTI workshop
13	A	15	008	20/01/2016	Whitebaord plus stand	Size (W:150 x H:90)	\$140.25	2021/3/18	1	1NTTI
14	A	16	012	13/02/2017	Holesaw drill for technical training	Makita(D-21652, D-33657)	\$81.40	2021/3/18	2	NTTI
15	A	17	004	06/11/2017	Cordless driver for electrical practice	Makita(DF332DWAE)	\$389.29	2021/3/18	2	NTTI
16	A	18	002	30/05/2018	Soundssystem speaker set for NTTI	BMB	\$759.00	2021/3/18	1	NTTI
17	A	20	004	05/03/2021	External Hard Disk for STP document backup	Transcend StoreJet H3 1TB	\$53.00	2021/3/18	1	NTTI
18	A	20	006	05/03/2021	Steel cabinet with sliding glass		\$185.00	2021/3/18	1	NTTI
19	A	20	007	05/03/2021	Steel cabinet with sliding glass		\$185.00	2021/3/18	1	NTTI
20	A	20	008	05/03/2021	Steel cabinet with sliding glass		\$185.00	2021/3/18	1	NTTI
21	A	20	009	05/03/2021	Shelf with two joint parts	Fuli	\$294.00	2021/3/18	1	NTTI
22	A	20	010	05/03/2021	Shelf without joint parts	Fuli	\$280.40	2021/3/18	1	NTTI
23	A	20	011	05/03/2021	Shelf without joint parts	Fuli	\$280.40	2021/3/18	1	NTTI

PPI

No.	Equipment No.	Arrival Site/ Purchase Day	Equipment Name	Model	Manufacturer/ supplier co.,	Total Amount (USD)	Grant Qty	Date of Granting	Place of using, keeping
1	18-3-004690	2019/8/22	Air Conditioner for PPI new workshop	Mitsubishi R410		\$702.57	1	2021/3/18	PPI
2	18-3-004691	2019/8/22	Air Conditioner for PPI new workshop	Mitsubishi R410		\$702.57	1	2021/3/18	PPI
3	18-3-004692	2019/8/22	Air Conditioner for PPI new workshop	Mitsubishi R410		\$702.57	1	2021/3/18	PPI
4	18-3-004693	2019/8/22	Air Conditioner for PPI new workshop	Mitsubishi R410		\$702.57	1	2021/3/18	PPI
5	16-3-002115	2017/2/27	Aluminium Stage for school events	n/a		\$1,624.18	1	2021/3/18	PPI
6	15-3-002101	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)		\$958.93	1	2021/3/18	PPI workshop
7	15-3-002102	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)		\$958.93	1	2021/3/18	PPI workshop
8	15-3-002103	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)		\$958.93	1	2021/3/18	PPI workshop
9	15-3-002104	2016/5/19	Air Conditioner	Mitsubishi Inverter (R410A)		\$958.93	1	2021/3/18	PPI workshop
10	15-3-001368	2016/3/11	LCD Projector	Casio		\$792.00	1	2021/3/18	PPI Office
11	15-3-001375	2016/3/11	Photocopier	Ricoh MP2501L		\$2,395.00	1	2021/3/18	PPI Admin Office

PPI

No.	Equipment No.			Arrival Site/ Purchase Day	Equipment Name	Model	Manufacturer/ supplier co.,	Total Amount (USD)	Grant Qty	Date of Granting	Place of using, keeping
1	A	16	027	03/03/2016	Whiteboard-fixed	(W120*H100)	Internal Book Center (IBC)	\$129.00	2	2021/3/18	PPI
2	A	15	028	07/03/2016	Heavy duty shelves for equipment storage		FULI	\$1,238.60	1	2021/3/18	PPI
3	A	15	029	07/03/2016	Cart for equipment storage		FULI	\$266.80	1	2021/3/18	PPI
4	A	17	001	07/06/2017	Sound System set for PPI	Yamaha		\$705.00	1	2021/3/18	PPI
5	A	16	013	15/02/2017	Event Booth			\$2,850.00	10	2021/3/18	PPI
6	A	15	021	16/02/2016	Desk for workshop	HU18(W1800*D700*H750)	LEECO Shop	\$1,428.00	14	2021/3/18	PPI
7	A	15	022	16/02/2016	Sliding class door Cabinet	Standard SG(W1200*D465*H2100)	LEECO Shop	\$266.00	1	2021/3/18	PPI
8	A	15	023	16/02/2016	Swivel Chair	F451B (black)	LEECO Shop	\$616.00	8	2021/3/18	PPI
9	A	15	008	20/01/2016	Whiteboard plus stand	Size (W:150 x H:90)	Internal Book Center (IBC)	\$140.25	1	2021/3/18	PPI
10	A	16	012	13/02/2017	Holesaw drill for technical training	Makita(D-21652, D-33657)	Makita cooperation, China	\$81.40	2	2021/3/18	PPI
11	A	17	004	06/11/2017	Cordless driver for electrical practice	Makita(DF332DWAE)	Makita cooperation, China	\$389.29	2	2021/3/18	PPI
12	A	18	001	22/05/2018	Practice desks for PPI new workshop	BMB		\$1,601.60	1	2021/3/18	PPI
13	A	20	005	05/03/2021	External Hard Disk for STP document backup	Transcend StoreJet H3 1TB	Transcend	\$53.00	1	2021/3/18	PPI
14	A	20	012	05/03/2021	Shelf with two joint parts	Fuli		\$294.00	1	2021/3/18	PPI
15	A	20	013	05/03/2021	Shelf without joint parts	Fuli		\$280.40	1	2021/3/18	PPI
16	A	20	014	05/03/2021	Shelf without joint parts	Fuli		\$280.40	1	2021/3/18	PPI
17	A	20	015	05/03/2021	Shelf board	Fuli		\$77.00	1	2021/3/18	PPI
18	A	20	016	05/03/2021	Shelf board	Fuli		\$77.00	1	2021/3/18	PPI

No.	Equipment No.			Arrival Site/ Purchase Day	Equipment Name	Model	Manufacturer/ supplier co.,	Total Amount (USD)	Grant Qty	Date of Granting	Place of using, keeping
19	A	20	017	05/03/2021	Shelf board	Fuli		\$77.00	1	2021/3/18	PPI

Handover&Discard

No.	Equipment No.			Arrival Site/ Purchase Day	Equipment Name	Model	Manufacturer/ supplier co.,	Total Amount (USD)	Date of Granting	Grant Qty	Place of using, keeping	Responsible C/P
57	A	16	005	05/08/2016	Translation equipment set (2transmitters & 10receivers)	TOA	TOA/Traing Sroy shop	\$2,796.00	2021/3/12	2+10	Handed over other newly started JICA PJ	Other JICA PJ
9	A	15	009	22/01/2016	Portable inkjet printer	Cannon		\$124.00		1	NPIC PJ Office	Broken and discarded
17	A	15	017	13/02/2016	Color inkjet printer	Epson ME 82WD		\$444.00		2	MLVT Office/NTTI Office	Broken and discarded

Local Cost Input

Japanese Local Activity Cost Input (JFY2015-JFY2020)***Currency Unit : US Dollar (US\$)**

EXPENDITURE ITEM		JFY2015	JFY2016	JFY2017	JFY2018	JFY2019	JFY2020	TOTAL
	General Expense	58,259.49	70,284.30	67,750.13	76,522.41	44,058.14	36,463.00	353,337.47
	Travel Expense (Air Fare)	1,080.00	1,873.00	1,940.00	187.00	1,330.00	0.00	4,893.00
	Travel Expense (Accommodation, Allowance, Transportation)	1,799.08	4,875.39	12,328.00	1,039.00	3,774.00	0.00	19,002.47
	Remuneration (Staff salary, Lecturer's fee, etc.)	4,136.93	14,015.63	17,923.34	19,569.59	19,727.54	36,463.00	36,075.90
	Local Consultant Contract Expense	0.00	9,906.00	33,364.00		20,094.00	0.00	43,270.00
TOTAL (US\$)		65,275.50	100,954.32	133,305.47	97,318.00	88,983.68	72,926.00	558,762.97

**; Cost exclude dispatch of Long/Short-term expert, overseas training, and equipment provision, only cost for project activities*

List of Training and Events

**List of Project Activities <JFY 2015-2021>
- Domestic Trainings -**

JICA TVET Project

No.	Name	Sex	Dept. Name/Title	Organization Name	Course Title	Period	Fiscal Year	Remarks
1	Chamroeun Touch	M	Lecturer, Electrical and Electronic Engineering Dept.	NTTI	Electrical Conservation Technology	Jan.12-Feb.2, 2017	JFY2016	by Mr. Suzuki/JEED
2	CHY Vanny	M	Instructor, Faculty of Electricity	PPI				
3	Tang Heng	M	Lecturer, Faculty of Electricity	NPIC				
4	YOEURN Sarem	M	Lecturer, Electrical and Electronic Engineering Dept.	NTTI	Installation of electrical wiring and testing	Feb.1-23, 2017	JFY2016	by Mr. Lotfi/CIAS
5	ROS Raksa	M	Instructor, Faculty of Electricity	PPI				
6	YAY Socheat	M	Lecturer, Faculty of Electricity	NPIC				
7	Ou Prumsotheara	F	Pedagogy dept. Instructor	NTTI	OSH KYT Training@NTTI	Apr. 3-4, 2017	JFY2017	by Mr. Suzuki/JISHA
8	Seng Sotheara	M	Pedagogy dept. Instructor	NTTI				
9	Dav Phearak	M	Construction Dept. Instructor	NTTI				
10	Kronn Total	M	Construction Dept. Instructor	NTTI				
11	Sous Socheat	M	Electricity Dept. Instructor	NTTI				
12	Chamroeun Touch	M	Electricity Dept. Instructor	NTTI				
13	Vann Phay	M	Electricity Dept. Instructor	NTTI				
14	Ros Raksa	M	Electricity Dept. Instructor	PPI				
15	Chy Vanny	M	Electricity Dept. Instructor	PPI				
16	Ly Bel	M	Electricity Dept. Instructor	PPI				
17	Prak Touch	M	Electricity Dept. Instructor	PPI				
18	Seng Sitha	M	Electricity Dept. Instructor	PPI				

**List of Project Activities <JFY 2015-2021>
- Domestic Trainings -**

JICA TVET Project

No.	Name	Sex	Dept. Name/Title	Organization Name	Course Title	Period	Fiscal Year	Remarks
19	Yi Sinoeun	M	Official	DSC/MLVT	OSH KYT Training@NPIC	Apr. 5-6, 2017	JFY2017	by Mr. Suzuki/JISHA
20	Prak Chandararith	M	Official	DSC/MLVT				
21	Svay Rasy	M	Official	DSC/MLVT				
22	Keo Siekly	M	Official	DQA/MLVT				
23	Youth Sokpheara	M	Official	DOSH/MLVT				
24	Chhom Thida	F	Faculty of Civil Engineering	NPIC				
25	Ly Sokhemra	M	Faculty of Mechanic	NPIC				
26	San Monirath	M	Faculty of Mechanic	NPIC				
27	Huy Vichet	M	Faculty of Electricity	NPIC				
28	Nam Sophea	M	Facutly of Electricity	NPIC				
29	Bou Ratany	M	Faculty of Electronic	NPIC				
30	Ou Prumsotheara	F	Instructor, NTTI	NTTI	OSH KYT Training@NTTI 11 ptps	Apr. 2-4, 2018 (2.5 days)	JFY2018	by Mr. Suzuki/JISHA
31	Sum Chanveasna	M	Instructor, NTTI	NTTI				
32	Dav Phearak	M	Instructor, NTTI	NTTI				
33	Seng Sotheara	M	Instructor, NTTI	NTTI				
34	Keo Soneda	M	Instructor, NTTI	NTTI				
35	Yoeurn Sarem	M	Instructor, NTTI	NTTI				
36	Teng Channa	M	Instructor, NTTI	NTTI				
37	Vann Phay	M	Instructor, NTTI	NTTI				
38	Chamroeun Touch	M	Instructor, NTTI	NTTI				
39	Kron Total	M	Instructor, NTTI	NTTI				
40	Sous Socheat	M	Instructor, NTTI	NTTI				

**List of Project Activities <JFY 2015-2021>
- Domestic Trainings -**

JICA TVET Project

No.	Name	Sex	Dept. Name/Title	Organization Name	Course Title	Period	Fiscal Year	Remarks
41	Chhom Thida	F	Instructor	NPIC	OSH KYT Training@NPIC 16 ptps incl. 5 company staff	Apr. 4-6, 2018 (2.5 days)	JFY2018	by Mr. Suzuki/JISHA
42	Nam Sophea	M	Instructor	NPIC				
43	San Monirath	M	Instructor	NPIC				
44	Bou Ratany	M	Instructor	NPIC				
45	Huy Vichet	M	Instructor	NPIC				
46	Ly Sokhemra	M	Instructor	NPIC				
47	Som Sothyrythea	M	Instructor	PPI				
48	Seng Sovannara	M	Instructor	PPI				
49	Yin Ratha	M	Instructor	PPI				
50	KAK Sotheara	M	Official	DQA/MLVT				
51	HIEK Sopheak	M	Official	DQA/MLVT				
52	San Vicheth	M	FujiFurukawaE&C(Cambodia).Co.Ltd					
53	Nouv Bunnan	M	FujiFurukawaE&C(Cambodia).Co.Ltd					
54	Som Vitou	M	SATO KOGYO (CAMBODIA) CO.,LTD					
55	Hory Sambath	M	SATO KOGYO (CAMBODIA) CO.,LTD					
56	Bo Sothea	M	ROHTO-MENTHOLATUM (CAMBODIA) CO., LTD.					

**List of Project Activities <JFY 2015-2021>
- Domestic Trainings -**

JICA TVET Project

No.	Name	Sex	Dept. Name/Title	Organization Name	Course Title	Period	Fiscal Year	Remarks
57	Som Sothyrythea	M	Instructor, Faculty of Electricity	PPI	Industrial AC Motor Control Technoogy	Oct.15-28, 2018	JFY2018	by Mr. Suzaini Bin Supingat/CIAST
58	Sovan Kakada	M	Instructor, Faculty of Electricity	NPIC				
59	Chamroeun Touch	M	Lecturer, Electrical and Electronic Engineering Dept.	NTTI				
60	Orn Pich Narun	M	Lecturer, Faculty of Electricity	NPIC				
61	TEP Sokryth	M	Lecturer of Dept. of Electricity and Electronic Engineering	NTTI	Electronic curcuit design and assembly	Oct. 2, 2019 - Nov. 1, 2019	JFY2019	by Mr. Shiota/JEED @ NPIC
62	Khun Chany	M	Lecturer of Dept. of Electricity and Electronic Engineering	NTTI				
63	BUN Sovisith	M	Faculty of Electronic	PPI				
64	CHRIN Chiva	M	Faculty of Electronic	PPI				
65	Soth Panha	M	Faculty of Electricity	NPIC				
66	Y Menghong	M	Faculty of Electricity	NPIC				
67	Mr. Y Meng Hong	M	Faculty of Electricity	NPIC	Free Seminar on Introduction to Practical Pneumatics	Oct 16-19, 2018	JFY2018	Hosted by SMC Pneumatics (S.E.A) Pte. Ltd
68	Mr. Hong Por	M	Faculty of Electricity	NTTI				
69	Mr. Sophorn Voha	M	Faculty of Electricity	PPI				
70	Mr. Y Meng Hong	M	Faculty of Electricity	NPIC	Free Seminar on Introduction to Practical Electro-Pneumatics	Nov 13-16, 2018	JFY2018	Hosted by SMC Pneumatics (S.E.A) Pte. Ltd
71	Mr. Hong Por	M	Faculty of Electricity	NTTI				
72	Mr. Sophorn Voha	M	Faculty of Electricity	PPI				
73	Mr. Y Meng Hong	M	Faculty of Electricity	NPIC	Free Seminar on Professional Employee Development Program (QC & 5S & Kaizen)	Jan. 21-25, 2019	JFY2018	Hosted by AOTS through JBAC
74	Ms. Pean Bopha	F	Faculty of Electricity	NTTI				
75	Mr. Yin Ratha	M	Faculty of Electricity	PPI				

List of Project Activities JFY2015-2021 <Technical TOT>

JICA TVET Project

No.	TOT Field	Venue	No. of institutions	No. of ptps	Duration	Term	Institution Participated	No. of Staff
1	Training Program Development	NPIC	8 Institutes + DGTVET	13	5days	Oct. 2-6, 2017	DSC, DGTVET	2
							NPIC	2
							NTTI	2
							PPI	2
							RPI Battambang	1
							RPI Siem Reap	1
							RPI Takeo	1
							RPI Kampot	1
RPI Svay Rieng	1							
2	PLC	NPIC	8 Institutes + DGTVET	12	5days	Oct. 9-13, 2017	DSC, DGTVET	1
							NPIC	2
							NTTI	2
							PPI	2
							RPI Battambang	1
							RPI Siem Reap	1
							RPI Takeo	1
							RPI Kampot	1
RPI Svay Rieng	1							
3	Electrical Wiring training by Japanese National Champion (by SESPP)	NPIC	8 Institutes	8	5days	Nov. 13-17, 2017	NPIC	1
							NTTI	1
							PPI	1
							RPI Battambang	1
							RPI Siem Reap	1
							RPI Takeo	1
							RPI Kampot	1
RPI Svay Rieng	1							

List of Project Activities JFY2015-2021 <Technical TOT>

No.	TOT Field	Venue	No. of institutions	No. of ptps	Duration	Term	Institution Participated	No. of Staff
4	Sequence Control and Maintenance	PPI	9 Institutes	10	5days	Sept. 25-29, 2018	NPIC	0
							NTTI	1
							PPI	2
							RPI Battambang	1
							RPI Siem Reap	1
							RPI Takeo	1
							RPI Kampot	1
							RPI Svay Rieng	1
							ITI	1
CTSDI	1							
5	PLC System	NPIC	10 institutes	10	5days	Oct. 1-5, 2018	NPIC	1
							NTTI	1
							PPI	1
							RPI Battambang	1
							RPI Siem Reap	1
							RPI Takeo	1
							RPI Kampot	1
							RPI Svay Rieng	1
							ITI	1
CTSDI	1							
6	Motor Control System	NPIC	9 institutes	10	5days	Nov. 5-9, 2018	NPIC	2
							NTTI	1
							PPI	1
							RPI Battambang	1
							RPI Siem Reap	1
							RPI Takeo	1
							RPI Kampot	1
							RPI Svay Rieng	1
							ITI	0
CTSDI	1							

List of Project Activities JFY2015-2021 <Technical TOT>

JICA TVET Project

No.	TOT Field	Venue	No. of institutions	No. of ptps	Duration	Term	Institution Participated	No. of Staff
7	Inverter and Touch Panel	NTTI	10 institutes	10	5days	Nov. 12-16, 2018	NPIC	1
							NTTI	1
							PPI	1
							RPI Battambang	1
							RPI Siem Reap	1
							RPI Takeo	1
							RPI Kampot	1
							RPI Svay Rieng	1
							ITI	1
							CTSDI	1
8	Sequence Control	PPI	9 Institutes	9	10days	Oct 28 - Nov 6, 2019	PPI	1
							NPIC	1
							NPIA	1
							RPI Battambang	1
							RPI Siem Reap	1
							RPI Takeo	1
							RPI Kampot	1
							RPI Svay Rieng	2
							NTTI	0
9	Electrical wiring and Quality Control	NPIC	9 Institutes	10	10days	Nov.14-23, 2019	NPIC	1
							PPI	1
							NTTI	1
							RPI Takeo	1
							RPI Svay Rieng	1
							NPIA	1
							RPI Battambang	1
							RPI Kampot	1
							RPI Siem Reap	2

List of Project Activities JFY2015-2021 <Technical Seminar>

JICA TVET Project

No.	Technical Seminar Field	Venue	No. of companies	No. of ptps	Duration	Term	Company Name	No. of Staff
1	PLC (introduction)	NPIC	9	17	1.5 day	Feb.9-10, 2017	Cambodian Construction Association	1
							Soma Energy-CPTL	2
							Institute of Technology of Cambodia	3
							Minebea	2
							ATS Co., Ltd.	1
							Mauso	3
							Omron	1
							MAC	1
							365 Moving	1
NPIC	2							
2	Sequence Control	NPIC	1	3	3 days	Mar.22-24, 2017	Dynamic Scientific Co.,LTD	3
3	Electrical Motor Control	NPIC	4	9	0.5 days	Jul.13, 2017	Omura Group	3
							Hao Phuong Co., LTD	1
							TSJ Air Conditioning (Soken)	2
							DHINIMEX	1
							NTTI	1
NPIC	1							
4	Sequence Control	RPI TSB	8	10	3 days	24-26 Oct-2017	RPI TSB	2
							Ministry of Industry and Handicraft, Kompot Water Work	1
							Ministry of Industry and Handicraft, SiemReap Water Work	1
							Ministry of Industry and Handicraft, Kompong Thom Water Work	1
							Ministry of Industry and Handicraft, Pursat Water Work	1
							Ministry of Industry and Handicraft, Preah Sihak Nuk Water Work	1
							Ministry of Industry and Handicraft, Battambang Water Work	1
							Ministry of Industry and Handicraft, Kompong Cham Water Work	1
Ministry of Industry and Handicraft, Svay Reang Water Work	1							

List of Project Activities JFY2015-2021 <Technical Seminar>

JICA TVET Project

No.	Technical Seminar Field	Venue	No. of companies	No. of ptps	Duration	Term	Company Name	No. of Staff
5	Touch Panel	NPIC	3	16	1 day	Nov. 14, 2017	Soken(Cambodia) CO., Ltd.	2
							Fuji Electric Co., Ltd.	3
							FujiFurukawaE&C(Cambodia).Co.Ltd	4
							PPI	2
							NTTI	2
							NPIC	3
6	Sequence Control	Toyota Techno Park@Poi Pet SEZ	3	13	3 days	Feb. 28-Mar. 2, 2018	Toyota Technopark Poi Pet Co., Ltd.	3
							Sumitronics(Cambodia) Co., Ltd.	3
							SC Wado(Cambodia).Co.Ltd	3
							PPI	1
							NTTI	1
							NPIC	1
							RPI BTB	1
7	Electric Safety	PPI	1	14	0.5 days x 2 days	Mar.28-29, 2018	Soken	11
							PPI	1
							NTTI	1
							NPIC	1
8	Auto CAD	NPIC	1	18	3 days	JUN. 21-23, 2018	Minebea(Cambodia) Co., Ltd.	18
9	Sequence Control	NPIC	2	16	2 days	Jul.19-20, 2018	Minebea(Cambodia) Co., Ltd.	15
							MARUNIX(Cambodia) Co., Ltd.	1
10	PLC Program	NPIC	2	18	3 days	Aug. 23-25, 2018	Minebea(Cambodia) Co., Ltd.	17
							MARUNIX(Cambodia) Co., Ltd.	1
11	Sequence Control	PPI	5	8	3 days	May 27,29,30, 2019	FujiFurukawaE&C(Cambodia) Co.Ltd.	3
							Sumi (Cambodia) Wiring System Co., Ltd.	2
							SANKYO RADIATOR (CAMBODIA) CO.,LTD.	1
							Soken Engineering (Cambodia) Co., Ltd.	1
							Leopalace21(Cambodia)Co.,Ltd.	1

List of Project Activities JFY2015-2021 <Technical Seminar>

JICA TVET Project

No.	Technical Seminar Field	Venue	No. of companies	No. of ptps	Duration	Term	Company Name	No. of Staff
12	Motor Control	NTTI	5	7	3 days	JUN. 15,17,19, 2019	Soken Engineering (Cambodia) Co., Ltd.	2
							Leopalace21(Cambodia)Co.,Ltd.	1
							ROHTO(Cambodia) Co., Ltd.	1
							Fuji Electric Co., Ltd.	2
							FujiFurukawaE&C(Cambodia).Co.Ltd	1
13	Electrical Installation	NPIC	4	8	3 days	Dec. 17-19, 2019	TAIKI (Cambodia) Co., Ltd	1
							LYLY KAMEDA Co., Ltd.	2
							OMURA INDUSTRIES CO., LTD	2
							Fuji Furukawa E&C (Cambodai) Co. Ltd	3
14	PLC Programming	NPIC	3	8	3 days	JAN. 28-30, 2020	Soken Engineering (Cambodia) Co., Ltd.	6
							Sumi (Cambodia) Wiring Systems Co.,ltd.	1
							Soon-West(cambodia)co.,ltd	1
15	Sensor	NPIC	5	17	3 days	Nov. 4-6th, 2020	G.S.E ELECTECH (Cambodia) INC	3
							Soon-West(Cambodia)Co.,Ltd	1
							SNK (ASIA PACIFIC) PTE. LTD.	1
							Sumi (Cambodia) Wiring Systems Co., Ltd.	4
							Minebea (Cambodia) Co., Ltd.	8
16	PLC	NTTI	3	13	4 days	Jan. 12-15th, 2021	Branch of Kobelco Eco-Solutions CO., LTD.	1
							Sumi (Cambodia) Wiring Systems Co., Ltd.	4
							Minebea (Cambodia) Co., Ltd.	8

List of Project Activities <JFY 2015-2021> -Workshop/Seminar/Events-

JICA TVET Project

	Seminar/Workshop Name	Main participants organization	Venue	No. of participants	Duration	Term	Remarks
1	1st TVET Employment Promotion Workshop (Joint Carrier guidance WS)	3 TVET instructors&industry liaison officers, DLMI	NEA	42	1 day	May 31, 2016	
2	National TVET Day	39 Public TVET institutes	Diamond Island Convention Center		1 day	Jul. 8, 2016	Organized by DLMI/MLVT as an annual event
3	2nd TVET Employment Promotion Workshop	Industry liaison officers in MLVT/TVET, IAG companies. NEA	CJCC	40	1 day	Oct. 14, 2016	Invite Schneider, Soma Energy, Cambodia Construction Association, Comin Khmer
4	National Career Fair	Private companies, job seekers, some TVET institutes	Diamond Island Convention Center		2days	Nov. 5-6, 2016	Organized by NEA as an annual event
5	Alumni party of higher diploma electricity(NTTI)	Instructors, alumni	NTTI		0.5 day	Dec. 17, 2016	
6	Alumni party of higher diploma electricity(NPIC)	Instructors, alumni	NPIC		0.5 day	Dec. 18, 2016	
7	Alumni party of higher diploma electricity(NPIC)	Instructors, alumni	PPI		0.5 day	Dec. 24, 2016	
8	TVET Job Fair (NPIC)	students, industries	NPIC	2,500	0.5 day	Dec. 21, 2016	14 companies joined
9	TVET Observation Tour	staff from industries	NPIC	54	0.5 day	Feb.9, 2017	32 companies and organizations joined
10	TVET Job Fair (PPI)	students, industries	PPI	1,435	0.5 day	Feb. 17, 2017	13 companies joined
11	TVET Job Fair (NTTI)	students, industries	NTTI	724	0.5 day	Mar. 2. 2017	14 companies joined
12	3rd TVET Employment Promotion Workshop	Industry liaison officers in MLVT/TVET, IAG companies. NEA	CJCC	39	1 day	Mar. 6, 2017	3 companies joined (Minebea, Comin Khmer, Soma Energy)
13	Pre-employment training (Soft Skill)	Students	PPI	114	2 days	June 9-10, 2017	

List of Project Activities <JFY 2015-2021> -Workshop/Seminar/Events-

JICA TVET Project

	Seminar/Workshop Name	Main participants organization	Venue	No. of participants	Duration	Term	Remarks
14	Pre-employment training (Job search)	Students	PPI	114	2 days	June 16-17, 2017	
15	Pre-employment training (CV and cover letter writing)	Students	PPI	114	2 days	June 23-24, 2017	
16	Pre-employment training (Interview)	Students	PPI	108	2 days	July 14-15, 2017	
17	Pre-employment training (Guest lecture workshop)	Students	PPI	121	1 day	Aug.4, 2017	NEA
18	Pre-employment training (Guest lecture workshop)	Students	NPIC	120	1 day	Aug.7, 2017	Cambodia Power Transmission Line Ltd.
19	Pre-employment training (Soft Skill)	Students	NTTI	58	1 day	Aug.12, 2017	
20	Pre-employment training (Guest lecture workshop)	Students	NPIC	120	1 day	Aug.14, 2017	Comin Khmer Co., Ltd.
21	Pre-employment training (Soft Skill)	Students	NTTI	77	1 day	Aug.19, 2017	
22	Pre-employment training (Soft Skill)	Students	NTTI	68	1 day	Aug.26, 2017	
23	National TVET Day	39 Public TVET institutes, and some technical private company/industry	Diamond Island Convention Center	6,678	1 day	Jul. 3, 2017	Organized by DLMI/MLVT as an annual event
24	National Career Fair	Private companies, job seekers, some TVET institutes	Diamond Island Convention Center	27,378	2days	Oct. 27-28, 2017	Organized by NEA as an annual event. There are 126 companies around show up their productivity and services at booth.
25	TVET Observation Tour	staff from industries	NPIC	20	0.5 day	Jan.23, 2018	8 companies joined
26	2nd TVET Job Fair (NTTI)	students, industries	NTTI	767	1 day	Jun.8, 2018	There is total 8 private companies joined the event.

List of Project Activities <JFY 2015-2021> -Workshop/Seminar/Events-

JICA TVET Project

	Seminar/Workshop Name	Main participants organization	Venue	No. of participants	Duration	Term	Remarks
27	National TVET Day 2018	39 Public TVET institutes, and some technical private company/industry	Diamond Island Convention Center	27,453	2 days	Jun.15-16, 2018	73 booths(26 TVET institutions under MLVT, 15 relevant training and education institutions, 11 partner organization, and 21 private companies 7,100 high school students from 17 high schools visited The Project supports PPI NSC winners to conduct demo of Two trades.
28	2nd TVET Job Fair (NPIC)	students, industries	NPIC	(2500-grade 4th student)	1 day	Jul. 4, 2018	Total 24 private companies joined the event.
29	National Career and Productivity Fair 2018	Private companies, job seekers, some TVET institutes	Diamond Island Convention Center	28,756	2days	Oct. 27-28, 2018	Organized by NEA Total booth: 300 17 Education institution, The Project received 240 visitors
30	National TVET Day 2019	39 Public TVET institutes, and some technical private company/industry	Diamond Island Convention Center	32,000	2 days	Jun.15-16, 2019	72 booths The PJ received about 450 visitors. 56 persons were attended free technical seminar provided by the project.

List of Project Activities <JFY 2015-2021> -Workshop/Seminar/Events-

JICA TVET Project

	Seminar/Workshop Name	Main participants organization	Venue	No. of participants	Duration	Term	Remarks
31	2nd TVET Job Fair (PPI)	students, industries	PPI	1,815	1 day	Jun. 6th, 2019	Total 15 booths including NEA's both. 14 booth belongs to 14 private companies andn 1 booth for NEA
32	TVET Observation Tour at National Skill Competition	staff from industries	TVET Park	10	0.5 day	Oct, 2019	2 companies and organizations joined
33	National Career and Productivity Fair 2019	Private companies, job seekers, some TVET institutes	Diamond Island Convention Center	28,850	2days	Nov. 2-3, 2019	Organized by NEA Total booth: 253 12 Education institution, 55 Ministries, NGOs, and 192 for private company. Project Booth received 400 visitors
34	National TVET Day 2020	Public TVET institutes, and some technical private company/industry	Online	N/A	1 day	Jun.15, 2020	

List of Project Activities <JFY 2015-2021> -Technical Workshop(Short term)-

JICA TVET Project

	Seminar/workshop Name	Main participants organization	Venue	No. of participants	Duration	Term	Remarks
1	1st TWG Technical Workshop	3 TVET's TWG members, 2 companies	NPIC	43	0.5 day	May 5, 2016	2 companies (Fuji Electronics, Taiseng Co., Ltd) joined for demo
2	Standardized curriculum development workshop for PPI/NTTI	instructors of NTTI/PPI	NTTI	40	0.5 day	Oct. 4, 2016	
3	Standardized curriculum development workshop for NPIC	instructors of NPIC	NPIC	37	0.5 day	Oct. 6, 2016	
4	1st Teaching Material Development Workshop	instructors of 3 TVET institutes	NPIC	40	1 day	Dec. 8, 2016	invite 2 companies for equipment demonstration (Fuji Electrics Co., Ltd., Hao Phuong Co., Ltd.)
5	Omron technical seminar	instructors of 3 TVET institutes	PPI	12	1 day	Jan.13,2019	Omron Sensor training
6	Setsuyo technical seminar	instructors of 3 TVET institutes, other 3 institutes	NTTI	12	1 day	Jun.12-13,2019	Donated Mitsubishi PLC training

ANNEX 2: List of Products

List of Products

JICA Cambodia

Project for Improving TVET Quality to Meet the Needs of Industries

1. Syllabus for Standard Training Package (English)
2. Textbook for Standard Training Package (Khmer)
 - 1) Electrical Wiring
 - 2) PLC System
 - 3) Electrical Motor Control
 - 4) Electrical Maintenance
 - 5) Power Electronics
3. Standard Training Package on Electrical Installation and Maintenance (Khmer/English)
4. List of training equipment in periodical management system (English)
5. TVET Employment Promotion Handbook (Khmer/English)

ANNEX 3: PDM

Project Design Matrix

Project Title: Project for Improving TVET Quality to Meet the Needs of Industries

Implementing Agency: Ministry of Labour and Vocational Training (MLVT)

Target Group (Direct):

- Directorate General of Technical Vocational Education and Training (DGTNET) of MLVT

- Instructors, staff and students of the higher diploma in electricity of the pilot TVET institutions (National Polytechnic Institute of Cambodia (NPIC), National Technical Training Institute (NTTI), Preah Kossamak Polytechnic Institute (PPI))

- Instructors, staff and trainees of pre-service teacher training course for the higher diploma in electricity at NTTI

Target Group (Indirect):

- Instructors and students of non-pilot TVET institutions in the higher diploma in electricity

- Industries

Period of Project: Sep.2015 - Mar.2020 (4.5 years)


Project Site: Phnom Penh

Version 1.0

Dated: May 11th, 2017

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>Overall Goal</p> <p>Quality of training for the higher diploma in electricity in the TVET institutions under MLVT (nation-wide) is strengthened.</p>	<p>1. Percentage of graduates of the higher diploma in electricity of the pilot TVET institutions are employed/self-employed increases from 84% to 95% by 2023.</p> <p>2. Satisfaction rates of employers with the graduates of the higher diploma in electricity of the pilot TVET institutions increases from 3.27 to 3.60 (Out of 5) or higher in technical skills by 2023.</p> <p>3. Number of TVET institutions introducing the national standard curriculum reaches 8 or more by 2023.</p>	<p>1. Employment data of graduates</p> <p>2. Employer satisfaction survey</p> <p>3. MLVT records</p>			
<p>Project Purpose</p> <p>Quality of training for the higher diploma in electricity in TVET institutions under MLVT (pilot institutions) is strengthened.</p>	<p>1. XX % or more students successfully pass the final examination.</p> <p>2. Percentage of students who were employed or offered a job at companies through the internship is increased from 39% to 50%</p> <p>3. Satisfaction rates of graduates/students with training for the higher diploma increases from 3.66 to 4.00(Out of 5) or higher in practical skills .</p>	<p>1. Results of final examination</p> <p>2. Records of evaluation on internship by host industries/pilot TVET institutes</p> <p>3. Satisfaction survey of graduates (at the time of graduation) and students</p>	<p>1. Industrial needs for technical human resources in electricity do not drastically change. (Applications do not drastically decrease.)</p> <p>2. Socio-economic situation does not drastically deteriorate (Employment situation does not drastically deteriorate.)</p> <p>3. TVET policy and system does not drastically change.</p>		
<p>Outputs</p> <p>Output 1</p> <p>Standard Training Package (1) for the higher diploma in electricity is developed.</p>	<p>1-1 Draft Standard Training Package to meet the needs of industries is developed.</p> <p>1-2 Draft Standard Training Package is approved by MLVT</p> <p>1-3 Training for the higher diploma is piloted in the pilot TVET institutions.</p> <p>1-4 Standard Training Package finalized based on the piloting results is approved by MLVT.</p>	<p>1-1 Records of developing Standard Training Package</p> <p>1-2 Approved draft Standard Training Package</p> <p>1-3 M& E reports on piloting</p> <p>1-4 Approved Standard Training Package</p>	<p>1. Substantial number of trained C/P do not transfer/resign.</p> <p>2. Cambodian Qualification Framework (CQF) and other qualification systems do not become irrelevant to the Project contents.</p>		
<p>Output 2</p> <p>Instructors of the pilot TVET institutions are able to provide training for the higher diploma in electricity based on Standard Training Package.</p>	<p>2-1 Students' degree of understanding reaches XX.</p> <p>2-2 Evaluation by experts on instructors' capacity is improved. (compared to the baseline)</p> <p>2-3 Self-evaluation by instructors reaches 3.0 or more(out of 4)</p>	<p>2-1 Results of lesson evaluation by students</p> <p>2-2 Results of lesson observation</p> <p>2-3 Results of self-evaluation by instructor</p>			
<p>Output 3</p> <p>Integrate System to disseminate Standard Training Package for the higher diploma in electricity to non-pilot TVET institutions is introduced.</p>	<p>3-1 Technical contents based on Standard Training Package are integrated in the pre-service teacher training (TOT) curriculum at NTTI.</p> <p>3-2 5 of non-pilot TVET institutions providing training for the higher diploma participate in the dissemination seminar on Standard Training Package. 全国展開をするためのモデルづくり</p>	<p>3-1 New curriculum of pre-service teacher training (TOT) at NTTI</p> <p>3-2 Records of dissemination seminar of Standard Training Package</p>			

<p>Output 4</p> <p>System to maintain and manage training facilities and equipment at the pilot TVET institutions is strengthened.</p>	<p>4-1 Maintenance and management plan (personnel and budgets included) is developed.</p> <p>4-2 Responsible personnel and procedures for requesting updates/repair of facilities and equipment are clearly defined.</p> <p>4-3 Maintenance and management of facilities and equipment is implemented.</p>	<p>4-1 Maintenance and management plan</p> <p>4-2 Documents to define personnel and procedures</p> <p>4-3 Records of maintained and management</p>	<p>1. Substantial number of trained C/P do not transfer/resign.</p> <p>2. Cambodian Qualification Framework (CQF) and other qualificati+E18on systems do not become irrelevant to the Project contents.</p>
<p>Output 5</p> <p>Partnership between the pilot TVET institutions and industries is strengthened.</p>	<p>5-1 A handbook of employment/self-employment support activities is developed and utilized for implementation(2)</p> <p>5-2 Number of collaborative activities with industries and its number of participating companies are increased. (compared to the baseline 2 times with total 8 companies) (3)</p> <p>5-3 Number of promotion activities is increased. (compared to the baseline as 5 times)(4)</p>	<p>5-1 Handbook of support activities & records of utilization</p> <p>5-2 Records of collaborative activities with industries</p> <p>5-3 Records of promotion activities</p>	

Activities	Inputs		Important Assumption
<p>0-1. Implement a project baseline survey</p> <p>0-2. Monitor the project activities regularly</p>	<p style="text-align: center;">The Japanese Side</p>		
<p>1-1. Establish a technical working group for developing Standard Training Package for the higher diploma in electricity (selection of members, defining roles and responsibilities of the members)</p> <p>1-2. Review present curricula and syllabi</p> <p>1-3. Conduct industrial needs survey to develop Standard Training Package</p> <p>1-4. Draft Standard Training Package</p> <p>1-5. Pilot training for the higher diploma in electricity in the pilot TVET institutions based on the draft Standard Training Package.</p> <p>1-6. Finalize Standard Training Package based on pilot results.</p> <p>1-7. Get approval for the finalized Standard Training Package from MLVT</p>	<p>1. Experts</p> <p>a) Long-term expert: Chief Advisor/Curriculum Development</p> <p>b) Long-term expert: Electricity</p> <p>c) Long-term expert: Project Coordinator/Partnership with industries</p> <p>d) Short-term experts: To be decided</p> <p>2. C/P training (in Japan and third countries)</p> <p>3. Equipment:</p> <p>Equipment for training for the higher diploma in electricity in the pilot TVET institutions</p> <p>4. Part of th project implementation expenses</p>	<p>1. Counterpart personnel</p> <p>a) Project Director: Secretary of State, MLVT</p> <p>b) Project Manager: Director General, DGTVET</p> <p>c) Technical C/P: MLVT staff and staff/instructors of the pilot TVET institutions</p> <p>2. Facility and equipment</p> <p>a) Project office space for Japanese experts</p> <p>b) Office equipment</p> <p>3. Running expenses necessary for the project implementation</p> <p>a) expenses for piloting of draft Standard Training Package</p> <p>b) expenses for pre-service teacher training (TOT) at NTTI</p> <p>c) maintenance and management of facilities and equipment (procurement, installation, maintenance of necessary facilities and equipment, supplies in the pilot TVET institutions)</p>	<p>Necessary budget for project activities is provided at appropriate timing.</p>
<p>2-1. Assess capacity of instructors of the higher diploma in electricity in the pilot TVET institutions</p> <p>2-2. Develop a capacity development plan for the instructors</p> <p>2-3. Implement capacity development of the instructors (Off-JT & OJT)</p> <p>2-4. Assess improved capacity of the instructors</p>			
<p>[Development of technical aspects of the pre-service teacher training (TOT) in the area of electricity](5)</p> <p>3-1. Identify technical contents based on Standard Training Package to be incorporated in the TOT curriculum</p> <p>3-2. Develop TOT materials in line with the Standard Training Package</p> <p>3-3. Implement pilot TOT on technical contents</p> <p>3-4. Finalize TOT curriculum and materials based on the pilot results.</p> <p>[Facilitating introduction of Standard Training Package to non-pilot TVET institutions.](6)</p> <p>3-5 Conduct a dissemination seminar on Standard Training Package</p>			<p style="text-align: center;">Pre-Conditions</p> <p>1. NPIC, NTTI, PPI agree to participate as piloting institutions.</p> <div style="text-align: center;">  </div>

<p>4-1. Develop a system to maintain and manage facilities and equipment (personnel (7) and responsibilities) 4-2. Review conditions of equipment 4-3. Develop inventories and checklists for management of equipment 4-4 Develop a plan to maintain and manage facilities and equipment (budget included) 4-5. Identify needs for upgrading facilities and equipment based on Standard Training Package 4-6. Prepare facilities, procure and install equipment based on the identified needs (8) 4-7 Maintain and manage facilities and equipment</p>			<p><Issues and countermeasures></p>
<p>[Employment/self-employment support] 5-1. Review present situation of employment/self-employment support activities 5-2. Establish a system to coordinate with relevant agencies for employment/self-employment support activities (9) 5-3. Develop and regularly update database on industries, recruitment, employment of graduates etc. 5-4. Establish a system to implement employment/self-employment support activities (2) 5-5. Implement employment/self-employment support activities 5-6. Establish a system for analyzing employment/self-employment situation and conducting regular tracer studies [Partnership with industries] 5-7. Review present status of partnership with industries 5-8. Establish a system to implement activities for enhancing partnership with industries (3) 5-9. Implement activities for enhancing partnership with industries [Promotion of TVET] 5-10. Develop a plan for effective promotion activities(4) 5-11. Establish a system for implementing promotion activities 5-12 Implement promotion activities</p>			

(1) Standard Training Package consists of Competency Standard (CS), Curriculum, Learning Package (LP) and Assessment Package (AP)). The Project covers core subjects in electricity and will not cover basic subjects such as foreign language and mathematics. However, the contents of subjects such as safety (e.g. safety at workplace), quality control (e.g. 5S/KAIZEN and Total Quality Management (TQM) and entrepreneurship will be incorporated as part of basic

(2) Employment support service activities may include career counseling, job fair, internship, job announcement to students etc.

(3) Collaborative activities with industries may include job fair, internship, training of instructors in industries, lecturers to/from industries, visits to industries+A42.

(4) Promotion activities may include marketing through media (TV, newspaper, radio etc.), Job Fairs, National TVET Day, National Skill Competitions, Career guidance workshop for students. First priority target is industries and TVET students, NOT high schools students and teachers

(5) Targeting technical subjects in electricity/related engineering and excluding pedagogical subjects

(6) Targeting instructors of non-pilot TVET institutions

(7) Instructors of electrical departments planned

(8) Cambodian side is responsible for necessary upgrading of the facilities to install equipment.

(9) Students of TVET institutions are currently registered at NEA. Other activities may include services of career counselors from NEA and collaboration with the Cambodia-Japan Cooperation Center (CJCC).

Project Design Matrix

Version 3.0

Dated: March 11th, 2019

Project Title: Project for Improving TVET Quality to Meet the Needs of Industries

Implementing Agency: Ministry of Labour and Vocational Training (MLVT)

Target Group (Direct):

- Directorate General of Technical Vocational Education and Training (DGTNET) of MLVT

- Instructors, staff and students of the higher diploma in electricity of the pilot TVET institutions (National Polytechnic Institute of Cambodia (NPIC), National Technical Training Institute (NTTI), Preah Kossamak Polytechnic Institute (PPI))

- Instructors, staff and trainees of pre-service teacher training course for the higher diploma in electricity at NTTI

Target Group (Indirect):

- Instructors and students of non-pilot TVET institutions in the higher diploma in electricity


- Industries

Period of Project: Sep.2015 - Sep.2020 (5 years)

Project Site: Phnom Penh

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>Overall Goal</p> <p>Quality of training for the higher diploma in electricity in the TVET institutions under MLVT (nation-wide) is strengthened.</p>	<p>1. Percentage of graduates of the higher diploma in electricity of the pilot TVET institutions who are employed/self-employed increases from 84% in 2015 to 95% by 2023.</p> <p>2. Satisfaction rates of employers with the graduates of the higher diploma in electricity of the pilot TVET institutions increases from 3.27 in 2016 to 3.60 (Out of 5) or higher in technical skills by 2023.</p> <p>3. Number of TVET institutions introducing the national standard curriculum reaches 8 or more by 2023</p>	<p>1. Employment data of graduates</p> <p>2. Employer satisfaction survey</p> <p>3. MLVT records</p>			
<p>Project Purpose</p> <p>Quality of training for the higher diploma in electricity in TVET institutions under MLVT (pilot institutions) is strengthened.</p>	<p>1. 80 % or more participated students successfully pass the final practice examination.</p> <p>2. Percentage of students who were employed or offered a job at companies through the internship is increased from 39% to 50%</p> <p>3. Satisfaction rates of graduates/students with training for the higher diploma in pilot TVET institutions increases from 3.66 to 4.00(Out of 5) or higher in practical skills .</p>	<p>1. Results of final practice examination</p> <p>2. Records of evaluation on internship by host industries/pilot TVET institutes</p> <p>3. Satisfaction survey of graduates (at the time of graduation) and students</p>	<p>1. Industrial needs for technical human resources in electricity do not drastically change. (Applications do not drastically decrease.)</p> <p>2. Socio-economic situation does not drastically deteriorate (Employment situation does not drastically deteriorate.)</p> <p>3. TVET policy and system does not drastically change.</p>		
<p>Outputs</p> <p>Output 1</p> <p>Standard Training Package (1) for the higher diploma in electricity is developed.</p>	<p>1-1 Draft Standard Training Package to meet the needs of industries is developed.</p> <p>1-2 Draft Standard Training Package is approved by MLVT</p> <p>1-3 Training for the higher diploma is piloted in the pilot TVET institutions.</p> <p>1-4 Standard Training Package finalized based on the piloting results is approved by MLVT.</p>	<p>1-1 Records of developing Standard Training Package</p> <p>1-2 Approved draft Standard Training Package</p> <p>1-3 M& E reports on piloting</p> <p>1-4 Approved Standard Training Package</p>	<p>1. Substantial number of trained C/P do not transfer/resign.</p> <p>2. Cambodian Qualification Framework (CQF) and other qualification systems do not become irrelevant to the Project contents.</p>		
<p>Output 2</p> <p>Instructors of the pilot TVET institutions are able to provide training for the higher diploma in electricity based on Standard Training Package.</p>	<p>2-1 Teaching method evaluation by students reaches 4.0 or more (Out of 5)</p> <p>2-2 Evaluation by experts on instructors' capacity reaches 3.0 or more(Out of 4)</p> <p>2-3 Self-evaluation by instructors reaches 3.0 or more(Out of 4)</p>	<p>2-1 Questionnaire results of Final Evaluation by students</p> <p>2-2 Results of lesson observation by instructors</p> <p>2-3 Results of self-evaluation by instructor</p>			
<p>Output 3</p> <p>Integrated System to disseminate Standard Training Package for the higher diploma in electricity to non-pilot TVET institutions is introduced.</p>	<p>3-1 Technical contents based on Standard Training Package are integrated in the pre-service teacher training (TOT) curriculum at NTTI.</p> <p>3-2 5 of non-pilot TVET institutions providing training for the higher diploma participate in the dissemination seminar on Standard Training Package.</p>	<p>3-1 New curriculum of pre-service teacher training (TOT) at NTTI</p> <p>3-2 Records of dissemination seminar of Standard Training Package</p>			

<p>Output 4</p> <p>System to maintain and manage training facilities and equipment at the pilot TVET institutions is strengthened.</p>	<p>4-1 Maintenance and management plan (personnel and budgets included) is developed.</p> <p>4-2 Responsible personnel and procedures for requesting updates/repair of facilities and equipment are clearly defined.</p> <p>4-3 Maintenance and management of facilities and equipment is implemented.</p>	<p>4-1 Maintenance and management plan</p> <p>4-2 Documents to define personnel and procedures</p> <p>4-3 Records of maintained and management</p>		<p>1. Substantial number of trained C/P do not transfer/resign.</p> <p>2. Cambodian Qualification Framework (CQF) and other qualificati+E18on systems do not become irrelevant to the Project contents.</p>
<p>Output 5</p> <p>Partnership between the pilot TVET institutions and industries is strengthened.</p>	<p>5-1 A handbook of employment/self-employment support activities is developed and utilized for implementation(2)</p> <p>5-2 Number of collaborative activities with industries and its number of participating companies are increased. (compared to the baseline 2 times with total 8 companies) (3)</p> <p>5-3 Number of promotion activities is increased. (compared to the baseline as 5 times)(4)</p>	<p>5-1 Handbook of support activities & records of utilization</p> <p>5-2 Records of collaborative activities with industries</p> <p>5-3 Records of promotion activities</p>		

Activities	Inputs		Important Assumption
<p>0-1. Implement a project baseline survey</p> <p>0-2. Monitor the project activities regularly</p>	<p style="text-align: center;">The Japanese Side</p>		
<p>1-1. Establish a technical working group for developing Standard Training Package for the higher diploma in electricity (selection of members, defining roles and responsibilities of the members)</p> <p>1-2. Review present curricula and syllabi</p> <p>1-3. Conduct industrial needs survey to develop Standard Training Package</p> <p>1-4. Draft Standard Training Package</p> <p>1-5. Pilot training for the higher diploma in electricity in the pilot TVET institutions based on the draft Standard Training Package.</p> <p>1-6. Finalize Standard Training Package based on pilot results.</p> <p>1-7. Get approval for the finalized Standard Training Package from MLVT</p>	<p>1. Experts</p> <p>a) Long-term expert: Chief Advisor/Curriculum Development</p> <p>b) Long-term expert: Electricity</p> <p>c) Long-term expert: Project Coordinator/Partnership with industries</p> <p>d) Short-term experts: To be decided</p> <p>2. C/P training (in Japan and third countries)</p> <p>3. Equipment:</p> <p>Equipment for training for the higher diploma in electricity in the pilot TVET institutions</p> <p>4. Part of th project implementation expenses</p>	<p>1. Counterpart personnel</p> <p>a) Project Director: Secretary of State, MLVT</p> <p>b) Project Manager: Director General, DGTNET</p> <p>c) Technical C/P: MLVT staff and staff/instructors of the pilot TVET institutions</p> <p>2. Facility and equipment</p> <p>a) Project office space for Japanese experts</p> <p>b) Office equipment</p> <p>3. Running expenses necessary for the project implementation</p> <p>a) expenses for piloting of draft Standard Training Package</p> <p>b) expenses for pre-service teacher training (TOT) at NTTI</p> <p>c) maintenance and management of facilities and equipment (procurement, installation, maintenance of necessary facilities and equipment, supplies in the pilot TVET institutions)</p>	<p>Necessary budget for project activities is provided at appropriate timing.</p>
<p>2-1. Assess capacity of instructors of the higher diploma in electricity in the pilot TVET institutions</p> <p>2-2. Develop a capacity development plan for the instructors</p> <p>2-3. Implement capacity development of the instructors (Off-JT & OJT)</p> <p>2-4. Assess improved capacity of the instructors</p>			
<p>[Development of technical aspects of the pre-service teacher training (TOT) in the area of electricity](5)</p> <p>3-1. Identify technical contents based on Standard Training Package to be incorporated in the TOT curriculum</p> <p>3-2. Develop TOT materials in line with the Standard Training Package</p> <p>3-3. Implement pilot TOT on technical contents</p> <p>3-4. Finalize TOT curriculum and materials based on the pilot results.</p> <p>[Facilitating introduction of Standard Training Package to non-pilot TVET institutions.](6)</p> <p>3-5 Conduct a dissemination seminar on Standard Training Package</p>			<p style="text-align: center;">Pre-Conditions</p> <p>1. NPIC, NTTI, PPI agree to participate as piloting institutions.</p> <div style="text-align: center;">  </div>

<p>4-1. Develop a system to maintain and manage facilities and equipment (personnel (7) and responsibilities) 4-2. Review conditions of equipment 4-3. Develop inventories and checklists for management of equipment 4-4. Develop a plan to maintain and manage facilities and equipment (budget included) 4-5. Identify needs for upgrading facilities and equipment based on Standard Training Package 4-6. Prepare facilities, procure and install equipment based on the identified needs (8) 4-7. Maintain and manage facilities and equipment</p>			<p><Issues and countermeasures></p>
<p>[Employment/self-employment support] 5-1. Review present situation of employment/self-employment support activities 5-2. Establish a system to coordinate with relevant agencies for employment/self-employment support activities (9) 5-3. Develop and regularly update database on industries, recruitment, employment of graduates etc. 5-4. Establish a system to implement employment/self-employment support activities (2) 5-5. Implement employment/self-employment support activities 5-6. Establish a system for analyzing employment/self-employment situation and conducting regular tracer studies [Partnership with industries] 5-7. Review present status of partnership with industries 5-8. Establish a system to implement activities for enhancing partnership with industries (3) 5-9. Implement activities for enhancing partnership with industries [Promotion of TVET] 5-10. Develop a plan for effective promotion activities(4) 5-11. Establish a system for implementing promotion activities 5-12. Implement promotion activities</p>			

(1) Standard Training Package consists of Competency Standard (CS), Curriculum, Learning Package (LP) and Assessment Package (AP)). The Project covers core subjects in electricity and will not cover basic subjects such as foreign language and mathematics. However, the contents of subjects such as safety (e.g. safety at workplace), quality control (e.g. 5S/KAIZEN and Total Quality Management (TQM) and entrepreneurship will be incorporated as part of basic

(2) Employment support service activities may include career counseling, job fair, internship, job announcement to students etc.

(3) Collaborative activities with industries may include internship, training of instructors in industries, lecturers to/from industries, visits to industries.

(4) Promotion activities may include marketing through media (TV, newspaper, radio etc.), Job Fairs, National TVET Day, National Skill Competitions, Career guidance workshop for students.
First priority target is industries and TVET students, NOT high schools students and teachers

(5) Targeting technical subjects in electricity/related engineering and excluding pedagogical subjects

(6) Targeting instructors of non-pilot TVET institutions

(7) Instructors of electrical departments planned

(8) Cambodian side is responsible for necessary upgrading of the facilities to install equipment.

(9) Students of TVET institutions are currently registered at NEA. Other activities may include services of career counselors from NEA and collaboration with the Cambodia-Japan Cooperation Center (CJCC).

Project Design Matrix

Version 4.0
Dated: July 12th, 2020

Project Title: Project for Improving TVET Quality to Meet the Needs of Industries

Implementing Agency: Ministry of Labour and Vocational Training (MLVT)

Target Group (Direct):

- Directorate General of Technical Vocational Education and Training (DGTNET) of MLVT

- Instructors, staff and students of the higher diploma in electricity of the pilot TVET institutions (National Polytechnic Institute of Cambodia (NPIC), National Technical Training Institute (NTTI), Preah Kossamak Polytechnic Institute (PPI))

- Instructors, staff and trainees of pre-service teacher training course for the higher diploma in electricity at NTTI

Target Group (Indirect):

- Instructors and students of non-pilot TVET institutions in the higher diploma in electricity


- Industries

Period of Project: Sep.2015 - Mar.2021 (5.5 years)

Project Site: Phnom Penh

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>Overall Goal</p> <p>Quality of training for the higher diploma in electricity in the TVET institutions under MLVT (nation-wide) is strengthened.</p>	<p>1. Percentage of graduates of the higher diploma in electricity of the pilot TVET institutions who are employed/self-employed increases from 84% in 2015 to 95% by 2023.</p> <p>2. Satisfaction rates of employers with the graduates of the higher diploma in electricity of the pilot TVET institutions increases from 3.27 in 2016 to 3.60 (Out of 5) or higher in technical skills by 2023.</p> <p>3. Number of TVET institutions introducing the national standard curriculum reaches 8 or more by 2023</p>	<p>1. Employment data of graduates</p> <p>2. Employer satisfaction survey</p> <p>3. MLVT records</p>			
<p>Project Purpose</p> <p>Quality of training for the higher diploma in electricity in TVET institutions under MLVT (pilot institutions) is strengthened.</p>	<p>1. 80 % or more participated students successfully pass the final practice examination.</p> <p>2. Percentage of students who were employed or offered a job at companies through the internship is increased from 39% to 50%</p> <p>3. Satisfaction rates of graduates/students with training for the higher diploma in pilot TVET institutions increases from 3.66 to 4.00(Out of 5) or higher in practical skills .</p>	<p>1. Results of final practice examination</p> <p>2. Records of evaluation on internship by host industries/pilot TVET institutes</p> <p>3. Satisfaction survey of graduates (at the time of graduation) and students</p>	<p>1. Industrial needs for technical human resources in electricity do not drastically change. (Applications do not drastically decrease.)</p> <p>2. Socio-economic situation does not drastically deteriorate (Employment situation does not drastically deteriorate.)</p> <p>3. TVET policy and system does not drastically change.</p>		
<p>Outputs</p> <p>Output 1</p> <p>Standard Training Package (1) for the higher diploma in electricity is developed.</p>	<p>1-1 Draft Standard Training Package to meet the needs of industries is developed.</p> <p>1-2 Draft Standard Training Package is approved by MLVT</p> <p>1-3 Training for the higher diploma is piloted in the pilot TVET institutions.</p> <p>1-4 Standard Training Package finalized based on the piloting results is approved by MLVT.</p>	<p>1-1 Records of developing Standard Training Package</p> <p>1-2 Approved draft Standard Training Package</p> <p>1-3 M& E reports on piloting</p> <p>1-4 Approved Standard Training Package</p>	<p>1. Substantial number of trained C/P do not transfer/resign.</p> <p>2. Cambodian Qualification Framework (CQF) and other qualification systems do not become irrelevant to the Project contents.</p>		
<p>Output 2</p> <p>Instructors of the pilot TVET institutions are able to provide training for the higher diploma in electricity based on Standard Training Package.</p>	<p>2-1 Teaching method evaluation by students reaches 4.0 or more (Out of 5)</p> <p>2-2 Evaluation by experts on instructors' capacity reaches 3.0 or more(Out of 4)</p> <p>2-3 Self-evaluation by instructors reaches 3.0 or more(Out of 4)</p>	<p>2-1 Questionnaire results of Final Evaluation by students</p> <p>2-2 Results of lesson observation by instructors</p> <p>2-3 Results of self-evaluation by instructor</p>			
<p>Output 3</p> <p>Integrated System to disseminate Standard Training Package for the higher diploma in electricity to non-pilot TVET institutions is introduced.</p>	<p>3-1 Technical contents based on Standard Training Package are integrated in the pre-service teacher training (TOT) curriculum at NTTI.</p> <p>3-2 5 of non-pilot TVET institutions providing training for the higher diploma participate in the dissemination seminar on Standard Training Package.</p>	<p>3-1 New curriculum of pre-service teacher training (TOT) at NTTI</p> <p>3-2 Records of dissemination seminar of Standard Training Package</p>			

<p>Output 4</p> <p>System to maintain and manage training facilities and equipment at the pilot TVET institutions is strengthened.</p>	<p>4-1 Maintenance and management plan (personnel and budgets included) is developed.</p> <p>4-2 Responsible personnel and procedures for requesting updates/repair of facilities and equipment are clearly defined.</p> <p>4-3 Maintenance and management of facilities and equipment is implemented.</p>	<p>4-1 Maintenance and management plan</p> <p>4-2 Documents to define personnel and procedures</p> <p>4-3 Records of maintained and management</p>		<p>1. Substantial number of trained C/P do not transfer/resign.</p> <p>2. Cambodian Qualification Framework (CQF) and other qualificati+E18on systems do not become irrelevant to the Project contents.</p>
<p>Output 5</p> <p>Partnership between the pilot TVET institutions and industries is strengthened.</p>	<p>5-1 A handbook of employment/self-employment support activities is developed and utilized for implementation(2)</p> <p>5-2 Number of collaborative activities with industries and its number of participating companies are increased. (compared to the baseline 2 times with total 8 companies) (3)</p> <p>5-3 Number of promotion activities is increased. (compared to the baseline as 5 times)(4)</p>	<p>5-1 Handbook of support activities & records of utilization</p> <p>5-2 Records of collaborative activities with industries</p> <p>5-3 Records of promotion activities</p>		

Activities	Inputs		Important Assumption
<p>0-1. Implement a project baseline survey</p> <p>0-2. Monitor the project activities regularly</p>	<p style="text-align: center;">The Japanese Side</p>		
<p>1-1. Establish a technical working group for developing Standard Training Package for the higher diploma in electricity (selection of members, defining roles and responsibilities of the members)</p> <p>1-2. Review present curricula and syllabi</p> <p>1-3. Conduct industrial needs survey to develop Standard Training Package</p> <p>1-4. Draft Standard Training Package</p> <p>1-5. Pilot training for the higher diploma in electricity in the pilot TVET institutions based on the draft Standard Training Package.</p> <p>1-6. Finalize Standard Training Package based on pilot results.</p> <p>1-7. Get approval for the finalized Standard Training Package from MLVT</p>	<p>1. Experts</p> <p>a) Long-term expert: Chief Advisor/Curriculum Development</p> <p>b) Long-term expert: Electricity</p> <p>c) Long-term expert: Project Coordinator/Partnership with industries</p> <p>d) Short-term experts: To be decided</p> <p>2. C/P training (in Japan and third countries)</p> <p>3. Equipment:</p> <p>Equipment for training for the higher diploma in electricity in the pilot TVET institutions</p> <p>4. Part of th project implementation expenses</p>	<p>1. Counterpart personnel</p> <p>a) Project Director: Secretary of State, MLVT</p> <p>b) Project Manager: Director General, DGTNET</p> <p>c) Technical C/P: MLVT staff and staff/instructors of the pilot TVET institutions</p> <p>2. Facility and equipment</p> <p>a) Project office space for Japanese experts</p> <p>b) Office equipment</p> <p>3. Running expenses necessary for the project implementation</p> <p>a) expenses for piloting of draft Standard Training Package</p> <p>b) expenses for pre-service teacher training (TOT) at NTTI</p> <p>c) maintenance and management of facilities and equipment (procurement, installation, maintenance of necessary facilities and equipment, supplies in the pilot TVET institutions)</p>	<p>Necessary budget for project activities is provided at appropriate timing.</p>
<p>2-1. Assess capacity of instructors of the higher diploma in electricity in the pilot TVET institutions</p> <p>2-2. Develop a capacity development plan for the instructors</p> <p>2-3. Implement capacity development of the instructors (Off-JT & OJT)</p> <p>2-4. Assess improved capacity of the instructors</p>			
<p>[Development of technical aspects of the pre-service teacher training (TOT) in the area of electricity](5)</p> <p>3-1. Identify technical contents based on Standard Training Package to be incorporated in the TOT curriculum</p> <p>3-2. Develop TOT materials in line with the Standard Training Package</p> <p>3-3. Implement pilot TOT on technical contents</p> <p>3-4. Finalize TOT curriculum and materials based on the pilot results.</p> <p>[Facilitating introduction of Standard Training Package to non-pilot TVET institutions.](6)</p> <p>3-5 Conduct a dissemination seminar on Standard Training Package</p>			<p style="text-align: center;">Pre-Conditions</p> <p>1. NPIC, NTTI, PPI agree to participate as piloting institutions.</p> <div style="text-align: center;">  </div>

<p>4-1. Develop a system to maintain and manage facilities and equipment (personnel (7) and responsibilities)</p> <p>4-2. Review conditions of equipment</p> <p>4-3. Develop inventories and checklists for management of equipment</p> <p>4-4. Develop a plan to maintain and manage facilities and equipment (budget included)</p> <p>4-5. Identify needs for upgrading facilities and equipment based on Standard Training Package</p> <p>4-6. Prepare facilities, procure and install equipment based on the identified needs (8)</p> <p>4-7. Maintain and manage facilities and equipment</p>
<p>[Employment/self-employment support]</p> <p>5-1. Review present situation of employment/self-employment support activities</p> <p>5-2. Establish a system to coordinate with relevant agencies for employment/self-employment support activities (9)</p> <p>5-3. Develop and regularly update database on industries, recruitment, employment of graduates etc.</p> <p>5-4. Establish a system to implement employment/self-employment support activities (2)</p> <p>5-5. Implement employment/self-employment support activities</p> <p>5-6. Establish a system for analyzing employment/self-employment situation and conducting regular tracer studies</p> <p>[Partnership with industries]</p> <p>5-7. Review present status of partnership with industries</p> <p>5-8. Establish a system to implement activities for enhancing partnership with industries (3)</p> <p>5-9. Implement activities for enhancing partnership with industries</p> <p>[Promotion of TVET]</p> <p>5-10. Develop a plan for effective promotion activities(4)</p> <p>5-11. Establish a system for implementing promotion activities</p> <p>5-12. Implement promotion activities</p>

<p><Issues and countermeasures></p>

(1) Standard Training Package consists of Competency Standard (CS), Curriculum, Learning Package (LP) and Assessment Package (AP)). The Project covers core subjects in electricity and will not cover basic subjects such as foreign language and mathematics. However, the contents of subjects such as safety (e.g. safety at workplace), quality control (e.g. 5S/KAIZEN and Total Quality Management (TQM) and entrepreneurship will be incorporated as part of basic

(2) Employment support service activities may include career counseling, job fair, internship, job announcement to students etc.

(3) Collaborative activities with industries may include internship, training of instructors in industries, lecturers to/from industries, visits to industries.

(4) Promotion activities may include marketing through media (TV, newspaper, radio etc.), Job Fairs, National TVET Day, National Skill Competitions, Career guidance workshop for students. First priority target is industries and TVET students, NOT high schools students and teachers

(5) Targeting technical subjects in electricity/related engineering and excluding pedagogical subjects

(6) Targeting instructors of non-pilot TVET institutions

(7) Instructors of electrical departments planned

(8) Cambodian side is responsible for necessary upgrading of the facilities to install equipment.

(9) Students of TVET institutions are currently registered at NEA. Other activities may include services of career counselors from NEA and collaboration with the Cambodia-Japan Cooperation Center (CJCC).

Progress summary of PDM indicators

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Status	Achievement Level	Remarks
Overall Goal					
Quality of training for the higher diploma in electricity in the TVET institutions under MLVT (nation-wide) is strengthened.	1. Percentage of graduates of the higher diploma in electricity of the pilot TVET institutions who are employed/self-employed increases from 84% in 2015 to 95% by 2023.	Employment data of graduates	FY2020: 75.2%	Fair	Effect of the COVID-19 on employment situation of graduates/working students needs to be taken into consideration.
	2. Satisfaction rates of employers with the graduates of the higher diploma in electricity of the pilot TVET institutions increases from 3.27 in 2016 to 3.60 (Out of 5) or higher in technical skills by 2023.	Employer satisfaction survey	FY2020: 3.69	High	Amid COVID-19, sample data from employers in February 2021.
	3. Number of TVET institutions introducing the national standard curriculum reaches 8 or more by 2023.	MLVT records	Depends on MLVT after Project completion	Fair	
Project Purpose					
Quality of training for the higher diploma in electricity in TVET institutions under MLVT (pilot institutions) is strengthened.	1. 80% or more participated students successfully pass the final practice examination.	Results of final practice examination	FY2019: 74.6%	Fair	Utilize figures of FY2019 due to COVID-19.
	2. Percentage of students who were employed or offered a job at companies through the internship is increased from 39% to 50%.	Records of evaluation on internship by host industries/pilot TVET institutes	FY2019: 72.3%	High	
	3. Satisfaction rates of graduates/students with training for the higher diploma in pilot TVET institutions increases from 3.66 to 4.00 (Out of 5) or higher in practical skills.	Satisfaction survey of graduates (at the time of graduation) and students	FY2019: 4.25	High	
Outputs					
Output 1 Standard Training Package for the higher diploma in electricity is developed.	1-1 Draft Standard Training Package to meet the needs of industries is developed.	Records of developing Standard Training Package	TWG and IAG meeting records and contract with National Consultant	High	NTB Commission is chaired by DGTNET and taken as MLVT's official approval.
	1-2 Draft Standard Training Package is approved by MLVT.	Approved draft Standard Training Package	Approved by National Training Board (NTB) Commission on August 12th, 2020	High	
	1-3 Training for the higher diploma is piloted in the pilot TVET institutions.	M&E (Monitoring and Evaluation) reports on piloting	Linked with activities, including FY2017-2020's final practice examination	High	
	1-4 Standard Training Package finalized based on the piloting results is approved by MLVT.	Approved Standard Training Package	Approved by National Training Board (NTB) on September 22nd, 2020	High	

Progress summary of PDM indicators

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Status	Achievement Level	Remarks
Output 2 Instructors of the pilot TVET institutions are able to provide training for the higher diploma in electricity based on Standard Training Package.	2-1 Teaching method evaluation by students reaches 4.0 or more (Out of 5).	Questionnaire results of Final Evaluation by students	FY2019: 4.24	High	Utilize figures of FY2019 due to COVID-19.
	2-2 Evaluation by experts on instructors' capacity reaches 3.0 or more (Out of 4).	Results of lesson observation by instructors	FY2020: 3.19	High	At the skill test for the instructors of pilot institutes in February 2021.
	2-3 Self-evaluation by instructors reaches 3.0 or more (Out of 4).	Results of self-evaluation by instructor	FY2020: 3.46	High	
Output 3 Integrated System to disseminate Standard Training Package for the higher diploma in electricity to non-pilot TVET institutions is introduced.	3-1 Technical contents based on Standard Training Package are integrated in the pre-service teacher training (TOT) curriculum at NTTI.	New curriculum of pre-service teacher training (TOT) at NTTI	OSH* training suggested from the Project has already included in the officially approved curricula.	High	*OSH ;Occupational Safety and Health
	3-2 5 of non-pilot TVET institutions providing training for the higher diploma participate in the dissemination seminar on Standard Training Package.	Records of dissemination seminar of Standard Training Package	List of TOT activities	High	Including 5 RPIs (Regional Polytechnic Institutes)
Output 4 System to maintain and manage training facilities and equipment at the pilot TVET institutions is strengthened.	4-1 Maintenance and management plan (personnel and budgets included) is developed.	Maintenance and management plan	Maintenance and management manual (already developed)	High	
	4-2 Responsible personnel and procedures for requesting updates/repair of facilities and equipment are clearly defined.	Documents to define personnel and procedures		High	
	4-3 Maintenance and management of facilities and equipment is implemented.	Records of maintained and management	Records of maintenance	High	Keep record of every 6 months
Output 5 Partnership between the pilot TVET institutions and industries is strengthened.	5-1 A handbook of employment/self-employment support activities is developed and utilized for implementation.	Handbook of support activities and records of utilization	Employment Promotion handbook for pilot institutes	High	
	5-2 Number of collaborative activities with industries and its number of participating companies are increased (compared to the baseline 2 times with total 8 companies).	Records of collaborative activities with industries	List of Technical Seminar/Job Fair, etc.	High	Baseline: 2 times, 8 companies JFY2019: 15 times, 38 companies
	5-3 Number of promotion activities is increased (compared to the baseline as 5 times).	Records of promotion activities	List of promotion activities	High	Baseline: 5 times JFY2019: 5 times