

Environmental and Social Monitoring Report

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Prepared by Phu Yen TTP Joint Stock Company for the Asian Development Bank.

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TTP PHU YEN

PHU YEN SOLAR POWER PLANT

Semi-Annual Environmental & Social Monitoring Report



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LIST OF ABBREVIATIONS

ADB	Asian Development Bank	HSSE	Health, Safety, Security and Environmental.
AHs	Affected households	Ha	Hectare
CAP	Corrective action plan	HHC	Hoa Hoi Commune
COD	Commercial Operations Date	HR	Human Resources
DoIT	Department of Industry and Trade (DoIT)	LRP	Livelihood Restoration Plan
DoNRE	Department of Natural Resources and Environment	Km	Kilometre
E&S	Environmental & social	CPC	Communal People's Committee
CDB	Communal Development Board	MWac	Megawatt (alternating current)
EIA	Environmental impact assessment	MWp	Megawatt (peak)
EPC	Engineering, procurement and construction	OHS	Occupational health and safety
ESCA	Environmental and social compliance audit	O&M	Operation and maintenance
ESCAR	Environmental and social compliance audit report	PLDC	Provincial Land Development Centre
ESMP	Environmental and social management plan	PPA	Power purchase agreement
ESMS	Environmental and social management system	PPE	Personal protective equipment
EVN	Vietnam Electricity Power Generation Corporation	PV	Photovoltaic
		PY	Phu Yen
		PYTTP	Phu Yen TTP Joint Stock Company

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CHAPTER A: INTRODUCTION

I. PURPOSE OF THE REPORT

This environmental and social monitoring report presents the project's environmental and social performance in compliance with the requirements of ADB's Safeguards Policy Statement (2009) (ADB SPS), applicable laws and regulations of Vietnam. The project is categorized as "B" for environment and "B" for involuntary resettlement (IR) and "B" for Indigenous Peoples based on ADB SPS. This report describes and assesses the implementation of the environmental and social requirements agreed between ADB and Phu Yen TTP Joint Stock Company (Phu Yen JSC).

This report includes the background information of the project and the status of implementation from October 1, 2020 to March 31, 2021. It also includes information on activities related to information disclosure, grievance redress and capacity building.

II. BACKGROUND OF THE PROJECT

Name of project: Hoa Hoi solar power plant

Scope of works and the acceptance of construction period:

Substations 22/220kV at Hoa Hoi solar power plant: Transformer capacity 2x125MVA. 220kV dual circuit line, type of transmission line ACSR 400/51, length 0.254 km, from 220kV transformer station of plant to relay connection on 01 220 kV transmission line from Ba Ha river hydropower plant to Tuy Hoa 220 kV transformer station; Single-circuit 220 kV transmission line, ACSR 400/51 type conductor, 12.2 km length, from 220 kV transformer station of Hoa Hoi solar power plant to Tuy Hoa 220 kV transformer station. Energize and operate power lines and transformer stations from May 15, 2019.

The plant has 256MWp capacity: testing and commissioning (86 sets of inverters x 2500 kW. 676,312 panels) from May 15, 2019 to June 10, 2019 and commercial operation of the whole plant on June 10, 2019.

Construction location:

The Project is situated in Hoa Hoi commune, Phu Hoa district, Phu Yen province, Vietnam, approximately 45 kilometers (km) northeast of Tuy Hoa Airport (13° 3'38.49"N, 109° 5'42.36"E).

Project scale:

Power plant project, type of industrial energy project, grade I, capacity 214,16MWac
Transformer Station 22/220 kV, type of energy industrial project, grade I, with a capacity of 2x125 MVA. 220kV transmission line, type I energy industrial project.

Commencement date and completion date:

The project officially started construction on November 17, 2018.

Energizing and operating 220kV transmission lines and 22/220kV-2x125MVA substations from May 15, 2019.

Energized, connected to the EVN's grid for the first time, test the plant from May 15, 2019 to June 10, 2019.

All equipment with a capacity of about 256MWp has been put into commercial operation from June 10, 2019.

III. PROJECT MANAGEMENT ARRANGEMENTS

Project developed by Phu Yen TTP JSC (PYTTP), a joint venture between B.Grimm Power Public Company Limited (B.Grimm) 80% and Truong Thanh Vietnam Group (TTVN) 20%. It involves the development and operation of a solar photovoltaic (PV) power plant with an installed capacity of about 256 megawatts peak (MWp) and contracted capacity of 214,16 megawatts (alternating current) (MWac). The project has the following three major components:

- Hoa Hoi solar farm, including one 220kV substation;
- 12.2 km length 220 kV transmission line;
- 38 transmission towers, three of which are located inside the physical boundary of the solar plant.

For the E&S management of the project during the construction period, PYTTP have performed all the activities in accordance with the local commune regulations and follow the registered items in the environmental and social management plan shown in the environmental impact assessment of the project. All the activities on the construction site (Solar farm and substation area) have strictly follow the HSSE management plan of the EPC contractor (CEEC) and the subcontractors performed their works at the Hoa Hoi site. Some remaining issues still exist during the construction of the final project items have been completely overcome and reported in the corrective actions plan (CAP) report. In the operation phase of the project, PYTTP has developed and applied the ESMP with ten sub-plans and procedures to manage all the operational activities of staff and contractors at the Solar plant, include the supporting activities for the community at Hoa Hoi commune also.

For the transmission line from Hoa Hoi solar farm to Tuy Hoa 220 kV transformer station, PYTTP signed the contract with Power Transmission Company No. 3 (PTC3) for operation and management of the 12.2 km transmission line and 38 transmission towers. The E&S management of this item follows the Safety procedures of Vietnam National Electricity Corporation and in accordance with the regulation on management coordination of 220kV power grid-connected from 220kV substation of Hoa Hoi solar power plant to Tuy Hoa 220kV substation and 220kV 273/Tuy Hoa – 273/ Ba Ha river hydropower plant transmission line is prepared and promulgated on the connection agreement between EVNNPT and PYTTP, connection technical design agreement between PTC3 and TTP PY to enhance the coordination in operation management, to assure the safe, stable and reliable operation of the electricity transmission system at the connection points.

IV. ENVIRONMENTAL OVERVIEW OF THE PROJECT AREA

The project location is about 200m from National Highway No. 25 to the South, about 35 km from the center of Tuy Hoa city to the East. The project area is about 256 ha, the terrain is plain and semi-mountainous, with a lower direction spreading from West to East

and from North to South. With a low slope, the area of Hoa Hoi commune has an elevation of river terraces about 12 meters. The population in the commune is 4,175 people, with a total area of 54.17km, population density reaches 77 people/km². Hoa Hoi commune consists of 03 villages: Nhat Son, Phong Hau, and Ho Ham.

The boundary of the project location is contiguous with the following:

- The East borders: Production land and near residential area Nhat Son village.
- The West borders on: Hon Cheo mountain.
- The South borders: Highway No. 25 and Phong Hau industrial cluster.
- The North borders: Production land and near the residential area of Phong Hau village.

Residual land -The collection of land parcels beyond the boundary of the plant was acquired as a part of the land acquisition process for the project.

This land was directly purchased from the land use right owners on a willing seller-buyer basis, primarily to mitigate impacts of orphan/unviable land parcels due to the purchase of other land-use rights for the plant. The acquisition process was completed in general accordance with the expectations of the affected land users of the plant. A mutual agreement was reached between the project, commune households, and district land development center that PYTTP would maintain an informal land use right of the residual land area outside the 256 ha Hoa Hoi solar farm physical boundary and if the residual land would remain unused land use rights of the remaining land or a part of it will be transferred to commune households for other purposes. All the residual land converted for the following use:

Access Road – An unpaved access road around Hoa Hoi solar farm has been transferred to commune households, which is now responsible for operation and maintenance. The length of this access road was documented to be 7.324 km in length and 4 m in width in a meeting minute, dated February 27, 2019. The access road is now considered a public facility for community use.

Incorporating sections of existing public roads, the access road was considered as a replacement road for the local community. Historically, there were several paths/tracks within the boundary of Hoa Hoi solar farm which was used by the local community to access their fields in the area. These access routes were no longer accessible as a result of the project development. As a replacement, the access road was constructed first for use during the construction phase of the project for transportation of materials during construction. Upon completion of the construction phase, the access

road was then transferred to commune households as a public facility for community use.

New Cham cemetery – A total of 18 graves were declared to be historically located in the solar power area. These 18 graves were relocated to an open area located immediately east of the solar farm and approximately 30 m west of an existing direct public access road (part of the Access Road). The newly allocated Cham cemetery reportedly has a total land area of 500 m² and is considered as commune land earmarked as a cemetery for Cham people only.

Remainder of Residual Land – Parts of Residual land along the eastern boundary of Hoa Hoi solar farm appeared to have been used during the construction phase as EPC laydown areas, after construction was completed, these land areas would be unused. These areas would either be surrendered to commune households or be utilized as a part of the Project's CSR/Livelihood Restoration Program (LRP) in the future.

Hydrological Conditions:

The largest river in Phu Hoa district is the Ba river, originating from the Ngoc Ro mountain range at an altitude of 1,549m (Kon Tum province), 360km long, flowing in the Northwest - Southeast direction. In the district, called Da Rang river, flows in the West-East direction, the length of the river flowing through Phu Hoa district is about 33km (from Hoa Hoi commune to Hoa An commune).

In addition to the Da Rang River, in the district, there are also small rivers and large streams such as:

- Cai Stream (Hoa Hoi) is about 12.5km long, originating from Son Xuan commune, Son Hoa district, flowing in the North-South direction, passing the district about 12.5km long, flowing into Da Rang river in Hoa Hoi commune.

- Muong stream (Hoa Dinh Tay) is a large stream originating from Son Long commune - Son Hoa district, flowing through the western mountainside of Hoa Quang Bac commune - Hoa Quang Nam - Hoa Dinh Dong and Phu Hoa town.

- Cai Stream (Hoa Dinh Tay) flows in the Northwest - Southeast direction, about 6.5km long is the water of dry streams with seasonal water flowing from the western mountains of Hoa Quang to Dong Din area and flowing into the river. Da Rang follows the boundary line between Hoa Dinh Tay, Hoa Dinh Dong, and Phu Hoa town.

- Da Ban Spring also originates in the Northwest of Hoa Quang Bac commune, about 14km long, on the upstream, there is Lo Chai lake under construction to serve the High-tech Agricultural Zone, the middle part is named river. Ben Loi, at the end of its source, lives in Bao Dai, the Chua river meets with the Da Rang River, close to the Da Dien estuary.

There is also the North Canal irrigation system of Dong Cam, a system of receding streams, drains) water supply and drainage from the western foothills of Hoa Dinh Dong,

Hoa Quang Bac, Hoa Quang Nam, flowing in the direction of Hoa Tri, Hoa Kien, and draining water to Da Rang river. This is an important water supply system for production, daily life, and groundwater recharge in the current district.

Inside the plant, there are 03 small streams flow from the Northeast direction to the Southwest direction of the plant, crossing 02 drainage sewers and entering Go spring and Ba river, the length of 03 streams crosses the project area is about 05 km and flows through the intersections with internal roads by solid concrete sewers. Every year before the rainy season, the small streams will be dredged to ensure there are no obstructions to the flow when the flow of 03 streams is high.

Residential Area

The project is about 700m from the residential area of Nhat Son village to the East and about 300m from the residential area of Phong Hau village to the North.

CHAPTER B: ENVIRONMENTAL AND SOCIAL MANAGEMENT

I. COMPLIANCE WITH ENVIRONMENTAL AND SOCIAL SAFEGUARDS RELATED PROJECT REQUIREMENTS

1.1 The deployment of EIA in operating period Q4 2020 and Q1 2021.

During project construction, it is necessary to have an Environmental Impact Assessment (EIA) dossier approved by the Ministry of Natural Resources and Environment. All the construction activities at the Hoa Hoi site and belong to the transmission line have followed the EHS management procedure of the EPC contractor and the management procedures of sub-contractors of each package. During the operation phase, compliance with the approved EIA requirements is imperative such as periodic environmental inspection and monitoring, waste collection and treatment, wastewater quality monitoring and monitoring, and permits to abstract underground water in accordance with the provisions of the current state law. The legal requirements on Environmental and Social management related to the project that has been implemented are shown in the table below.

Table 1. Compliance with national and local laws and regulations on E&S Protection

Description of Requirement/Permit/Reports	Status/Comments
Construction	
Decision approving Environmental Impact Assessment report (EIA)	1343/QĐ-UBND dated July 06 th 2018
Land Use Right Certificate (LURC) – Solar Plant area	No.CM 542360 dated June 21 st 2019
Operation	
Annual Environmental Monitoring Report 2020	Periodic environmental monitoring report 2020 has been approved by Department of Natural Resources and Environment (DoNRE) of Phu Yen province
Permit to abstract the groundwater well installed on Hoa Hoi site.	Groundwater abstraction permit has been issued by Phu Yen DoNRE from October 2020 and valid for 10 years.

In 2020, PYTTP has completed all the requirements of Corrective Action Plan (CAP) for the activities related to environmental and social management, which are detailed in the table below.

Table 2. Status of Initial Corrective Action Plan (CAP)

Ref	Initial Corrective Action	Time of completion	Deliverable
1	PYTTP has developed a Project-specific operational Environmental and Social Management Plan (O-ESMP)	Q4 2020	O-ESMP, including 10 procedures and sub-plans

2	PYTTP has conducted periodic environmental testing according to the items registered in the EIA and submitted to government agency-Department of Natural Resources and Environment.	Quarterly	Doing the testing and having Periodic Environmental Report in every quarter
3	PYTTP has got the permit to abstract groundwater in accordance with the current legal requirements.	Q4 2020	Groundwater abstraction permit
4	PYTTP has signed the contract local contractor to collect, transport, and treat all the wastes in accordance with the law.	Q4 2020	Monthly Service Contract for garbage collection at the plant
5	PYTTP has developed and applied safety policy, regulations as well as contractor management procedures to manage the safety for the remaining construction activities as well as daily inspection.	Q4 2020	HSSE & Safety Report monthly
6	Currently PYTTP has developed and implemented an external grievance mechanism for management of external grievances.	Q4 2020	Setup grievance mechanism for management of external grievances
7	PYTTP has recruited a senior HSSE officer to supervise and manage security, safety, health, and environmental issues in the Hoa Hoi solar power plant.	Q3 2020	Senior HSSE Officer has recruited and onboard from Aug 2020
8	PYTTP has developed and updated the HR policy in accordance with the Collective Bargaining Agreement and the Labour Code of Vietnam and ensure the requirements of current law.	Q2 & Q4, 2020	PYTTP's HR Policy is in accordance with the Labour Code of Vietnam and to be updated as per the new regulations or requirements of current law.
9	The Livelihood Restoration Plan (LRP) has been developed to provide employment and income generation opportunities to willing and qualified affected households at Ho Ham and Phong Hau village.	Q2 & Q3, 2020	The initial livelihood restoration program and livelihood model support was carried out from May 2020 LRP (2021-2025), prepared by the external consultant, was already approved by ADB.
10	The Cham households located in the affected area are included in the Livelihood Restoration Plan (LRP).	Q2 2020	The Cham H'Roi households located in the affected area are included in the initial livelihood restoration program and will be continued in the implementation of

			the LRP
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1.2 Detailed description of the Livelihood Restoration Plan (LRP).

The main outputs of the livelihood and income restoration activities contained in the LRP are as follows:

- Support for modeling an efficient and advanced production to improve productivity on the remaining agricultural land after acquisition;
- Agricultural extension support;
- Support for career orientation and vocational training to restore income through off-farm employment.

PYTTP has developed the Livelihood Restoration Plan with the following activities:

Component 1: Communication and capacity building

Activity 1.1: Improve the households' production and business capacity through training courses on agriculture production science and technology, field trips for learning production experience, and creating income for households.

Activity 1.2: Equip the propaganda facilities and launch the community communication activities.

Activity 1.3: Initiate news disclosure on the district's vocational training programs to the local households.

Activity 1.4: Establishment and capacity building for Hoa Hoi Commune's Development Board (CDB).

Activity 1.5: Supervise and monitor the project activities and organize the monthly meetings with the communal development board and project review meetings.

Component 2: Financial support

Activity 2.1: Develop fund resources and use turnover loan in the community for investment into household subsistence development.

Activity 2.2: Launch the income-earning production models for households.

Table 3. Activities, Schedule and Cost of LRP Implementation

No	Activity	Time	AMT Mil VND
A	Component 1: Communication and capacity building		340
1	Bulletin board installation	1/2021	30

No	Activity	Time	AMT Mil VND
2	Purchase of TV, smartphone for Training video, prepaid internet and MyTV (02 prepaid packages covering 02 years) in Phong Hau and Ho Ham. Amplifier and loudspeakers	1/2021	50
3	Training on project implementation procedures: fund management and loan application	2/2021	2
4	Village meetings on livelihood needs of the AHs	12/2020	2
5	Training on raising poultry and sweet worm (giun Que)	2-3/2021	15
6	Training on cattle feed production, sweet grass plantation and production of fermented feed	2-3/2021	15
7	Training on processing and reuse of farm waste as compost and biogas	4/2021	15
8	Training on pig raising, sweet worm and biological mass	5-6/2021	15
9	Community workshop on livestock groups	2020/2021	10
10	Provide technical assistance based on the registered need of the households	2020/2021	50
11	Training to formulate Management Unit for Community Initiative Fund	T10-T12/2022	10
12	Facilitate the transformation of the grant fund into CIF and the creation of the CIF management unit	T10-T12/2022	5
13	Collect Information on job opportunities and vocational training available to be disclosed to the AHs.	2020/2022	-
14	Support for vocational training for off-farm employment		-
15	Study tours to typical livelihood models in the province + Trip 1, 2: in early of 2021 and should be on topics relating to implement of livestock/crop/ safe production/ market linkage that relevant to the loan provision to AHs + Trip 2: in early of 2022 on integrated farm models	2021/2022	100
16	Contingency for training on unidentified topics		21
B.	Component 2: Financial support		760

No	Activity	Time	AMT Mil VND
1	Round 1 loan provision	2021	500
2	Round 2 loan provision	2022	200
3	Round 3 loan provision using fund from repayment under round 1, 2 (conditionally)	2023-2024	-
4	Additional fund for livelihood insurance	2021-2022	60
#	Total funding for LRP (A+B)		1,100

II. ROLES AND RESPONSIBILITIES FOR ENVIRONMENTAL AND SOCIAL PERFORMANCE MONITORING

TTPPY recruited a HSSE supervisor in compliance with item 07 of the Corrective Action Plan to lead and oversee the ESMS implementation of the project. The roles and responsibilities of HSSE supervisor as follow:

- Promote and maintain the HSSE culture, implementation of new or existing HSSE related legislation and identify any training requirements;
- Manage systems and processes for HSSE inductions for all;
- Identify potential hazards and announce for O&M team;
- Investigate accidents/incidents, liaise with interested parties, ensure all documentation is completed and facilitate corrective actions where necessary and produce statistics for management;
- Investigate occupational accidents or diseases to identify causes and identify preventable incidents;
- Be in-charge of issues related to safety, labor protection and fire protection of the Company;
- Formulate regulations, rules, principles and norms on management and assurance of labor safety and environmental sanitation standards and regulations issued by the Government and the Company. Establish processes and regulations on labor safety, labor hygiene and fire prevention and fighting;
- Organize the periodical waste treatment to help preserve clean environment landscape, ensuring safety workspace;
- Manage the ongoing Risk Assessments (RA), Safe Systems of Work (SSoW) and effectively communicate such to ensure all employees are aware of their responsibilities.

Additional, PYTTP has signed the service contract with a local firm (Gia Huynh Environmental Company) and they are testing and preparing the periodic environmental monitoring reports in every quarter, according to items as registered in the EIA and submit to government agency-Department of Natural Resources and Environment.

III. STATUS OF ESMP IMPLEMENTATION

At the present time, PYTTP has prepared the following operational environmental, health and safety plans and procedures that form the company's operational Environmental and Social Management Plan (O-ESMP) as required in the Corrective Action Plan of the Environmental and Social Compliance Audit Report approved and published on the ADB's website in March 2020. The O-ESMP supplements the environmental management plan in the local environmental impact assessment, approved by the Phu Yen People's Committee (No. 1343/QD-UBND, dated 6th July 2018) in managing and monitoring the environmental, health and safety performance of the 257 (MWp) Hoa Hoi Solar Farm in Hoa Hoi Commune, Phu Hoa District, Phu Yen Province, Viet Nam.

The O-ESMP consists of the following subplans:

1. HSE Policy
2. Hazard Identification and Risk Assessment Procedure
3. Waste Management Procedure
4. Contractor Safety Management Procedure
5. Internal and External Traffic Safety Plan
6. Fire Fighting and Rescue Plan
7. Security Management Plan
8. External Redress Grievance Mechanism
9. Emergency Preparedness and Response Plan

Details of the mentioned above subplans as below:

3.1 HSE Policy.

From September 18th, 2020, PYTTP has developed and issued the HSE policy in accordance with the company's activities, the full content is shown below:

- Phu Yen TTP joint stock company is committed to the safety of employees, contractors and customers. Safety is regarded as one of our core values, we recognize that providing and integrating a sound environmental, health and safety program into our business is key to our success.
- Compliance with all pertinent environmental and safety laws, rules and regulations, not just because it is legally required, but also because we believe it is the responsible way to conduct our business;
- Always adhere to Safety Principles as a guideline of OH&S management system. Creating and maintaining a safe work environment is a high priority for our organization;
- Empower and expect all employees and contractors can refuse to work if he or she knows is unsafe, promptly report noncompliance or unsafe conditions and to take immediate action to prevent injuries or environmental accidents;
- Allocating adequate resources and budget to plan for and maintain a safe, healthy and supportive working environment, including the engagement of suitably qualified and competent persons to support and deliver on company's safety culture;
- As a condition of employment, all employees of company and contractors are required to comply with all safety and environmental related rules and regulations. Each employee must understand that they are individually responsible for their own safety and the safety of those around them.

- Violation of this HSE policy will be cause for disciplinary action up to and including termination of employment. Issuing with this policy are 9+1 Life-saving rules that apply to all projects of the company.

3.2 Hazard Identification and Risk Assessment Procedure.

The Hazard Identification and Risk Assessment procedure has been prepared, reviewed, issued, and applied to Hoa Hoi solar power plant. The work instruction for routine work such as grass cutting and PV panel cleaning has been developed and implemented and the safety measures for high-risk works are also applied. In addition, the Company also prepared an environmental, health, and safety training that includes discussion on the implementation of the O-ESMP plans and procedures so that the added value of these documents be achieved. The implementation of adequate and quality personal protective equipment (PPE) has been implemented from the beginning of 2020. Safety inspections are also conducted daily to ensure the work is carried out according to the right way and follow the procedures and steps of work instruction. Safety training plans have been prepared, reviewed, approved for implementation in early 2021.

3.3 Waste Management Procedure.

For the construction waste at the construction stage of project implementation that was collected by the local unit and disposed of according to the steps of collecting at the right place and disposed of by burning at the landfill. As for ordinary waste and other types of waste. The company has signed the contracts with the units having functions of collecting, transporting, and handling in accordance with the current law. Every 3 times a month, the garbage collection unit will drive a specialized vehicle to transport the waste and disposed at the landfill in Hoa Hoi commune, which is located around 700m at the North of plant area (Not located in a residential area) where the local government is responsible for managing the landfill These proceeding steps are outlined in the waste management procedure that was prepared by the HSSE supervisor, reviewed and approved by PYTTP's BOM, issued, and applied from December 2020.

3.4 Contractor Safety Management Procedure.

PYTTP has developed and issued the Contractor management procedure and also provided the training and instructed to all employees of contractors who do their regular work in the plant on the regulations as well as steps to perform safe work. In addition, the inspection and supervision of compliance are also done daily to ensure that they comply with the internal requirements.

3.5 Internal and Extenal Traffic Safety Plan.

In order to ensure traffic safety inside, outside, and around the project, PYTTP has developed a traffic safety management plan to ensure internal traffic safety regulations are implemented and followed. In addition, the inspection and monitoring of compliance with traffic safety regulations are controlled daily by the plant's security team to ensure security and safety are carried out on a daily basis. The external traffic safety plan has been discussed and agreed upon with the principal of Hoa Hoi Primary School to organize a traffic safety campaign for students that is planned and will be implemented in October 2021.

3.6 Fire Fighting and Rescue Plan.

The project has completed the development of the fire prevention and rescue plan to prevent unfortunate fire incidents occur inside and around the project site. The plan has been completely supplemented, issued, and applied from December 2020. The contents of the plan clearly state the steps to be implemented when a fire incident occurs in each project area. Annually, the firefighting team of Hoa Hoi solar power plant will conduct fire drills for fire prevention and rescue according to the plans that have been developed and will be supervised by the local authorities. The list of fire fighting equipment that is inspected monthly by the O&M and HSSE at the Hoa Hoi solar power plant is shown below.

Table 4. List of fire prevention and fire fighting equipment

No.	NAME OF EQUIPMENT	CODE	QUANT.	LOCATION
01	FM 200 fire fighting system	FFS-FM200	01	Central control room
02	Electric Fire Fighting Pump	FFP-E-01	01	FF pump station
03	Diesel Fire Fighting Pump	FFP-DE-01	01	FF pump station
04	Booster Pump	FFP-BP-01	01	FF pump station
05	Pipeline system	FF-SL-01	01	FF pump station
06	360m3 Water tank	FFT-01	01	FF pump station
07	D65 Fire-Hydrant	FH-01	05	FF pump station
08	D65 Fire Hose Reel	FHR-01	10	FF pump station
09	CO2 Fire extinguisher	MT3-01	148	Substation-Solar farm
10	Powder fire extinguisher	MFZL4	14	Substation-Admin
11	Fire protection clothing	FFC-01	20	CCR.
12	Dry Sand Fire Bucket	FSB-01	04	Substation
13	Smoke detector, fire alarm	FSM-01	27	CCR-Admin Building
14	Fire control cabinet 01	FB660846444	01	WB15 area
15	Fire control cabinet 02	FB660846441	01	WB28 area
16	Fire control cabinet 03	FB660846443	01	WB36 area
17	Fire control cabinet 04	FB660846440	01	WB40 area
18	Fire control cabinet 05	FB660846442	01	CCR
19	Sprinkler	SP-01	04	CCR
20	CO2 Fire extinguisher	MT3-01	03	WB15 area
21	CO2 Fire extinguisher	MT3-01	03	WB28 area
22	CO2 Fire extinguisher	MT3-01	03	WB36 area
23	CO2 Fire extinguisher	MT3-01	03	WB40 area
24	CO2 Fire extinguisher	MT3-01	03	WB24 area
25	CO2 Fire extinguisher	MT3-01	03	WB23 area
26	CO2 Fire extinguisher	MT3-01	03	WB01 area
27	CO2 Fire extinguisher	MT3-01	03	WB26 area
28	CO2 Fire extinguisher	MT3-01	03	WB27 area
29	CO2 Fire extinguisher	MT3-01	03	WB29 area
30	CO2 Fire extinguisher	MT3-01	03	WB30 area
31	CO2 Fire extinguisher	MT3-01	03	WB31 area
32	CO2 Fire extinguisher	MT3-01	03	WB34 area
33	CO2 Fire extinguisher	MT3-01	03	WB33 area
34	CO2 Fire extinguisher	MT3-01	03	WB25 area
35	CO2 Fire extinguisher	MT3-01	03	WB10 area

36	CO2 Fire extinguisher	MT3-01	45	Other 15 areas
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3.7 Security Management Plan

At the present, PYTTP has issued and applied the security management plan to Hoa Hoi solar power plant. The security monitoring is also conducted daily and send the reports to related department. In addition, the security control by CCTV system is also monitored 24/7 to ensure the security issues of plant area. This plan has been instructed to all employees of the unit in charge of protecting of Hoa Hoi solar power (Huy Hung Security Company).

3.8 External Redress Grievance Mechanism

PYTTP issued and applied the Redress Grievance Mechanism procedure from December 28, 2020. The summary steps of the Redress Grievance Mechanism procedure are posted on the bulletin boards of Phong Hau and Ho Ham villages so that people can access and understand the steps to complain about project related issues.

3.9 Emergency Preparedness and Response Plan

In order to prepare to respond to emergency incidents occurring at Hoa Hoi solar power plant, PYTTP has developed an emergency response procedure that has been issued and applied. The firefighting teams, persons in charge of rescue have been established to prepare for the response to an incident. The regular fire drill and rescue drills and first aid training are conducted annually. In addition, the fire drills outside the plant have also been planned and contacted with the police section of Hoa Hoi commune to implement with the people in September 2021.

3.10 Other Management Plans related to HSE and required under the regulatory requirement

Wastewater Management

For wastewater management, PYTTP has periodically measured and controlled the quality of wastewater to ensure the output of wastewater in accordance with current legal requirements. The abstraction and use of groundwater has also been licensed for a period of 10 years. The monthly exploited and used volume is calculated and updated to pay the natural resource use tax to the state in accordance with the current law provisions.

Hazardous Materials and Waste Management Procedures

Currently, the project uses about 60 tons of transformer oil in the operational phase, the oil of transformers used at the Hoa Hoi plant is PCB-free, and the estimated period for inspection and replacement (if necessary) of oil is once per year. However, all the areas containing transformer oil are designed with collection systems in case of oil spills. Treatment will also be carried out by functional units as described in the waste management process content were issued.

Health and Safety Training

At the present, PYTTP has applied the first aid training to the company's employees and contractor employees who are doing the work at the Hoa Hoi solar power plant, other

training programs are include in the training plan of the year 2021 and has been reviewed and approved by the company management board. Training progress will be

Table 5. The O-ESMP training schedule of 2021

No.	Description	Time	Status
01	Hazard identification and risk assessment	March 2021	Done
02	Contractor safety management	April 2021	In progress
03	Secuiry management plant	May 2021	In progress
04	Fire fighting skill	July 2021	In progress
05	Waste management plan	July 2021	In progress

Flood Prevention Measures

Thetyphoon that occurred in November 2020 caused erosion of locations along the drainage ditch inside the plant and made flooding of 02 Combiner boxes of WB stations. The project has learned from experience and developed a specific plan to prevent similar floods that may occur annually in the project area in the following years. Specifically, clearing the internal canal system before the rainy season and preparing a plan to evacuate persons working on-site, preparing essential materials and equipment for storm and flood prevention such as backup pumps to support the drainage, sandbags to prevent flow in the wrong direction and cause erosion. Reinforcing drains and established an emergency response team.

IV. ENVIRONMENTAL AND SOCIAL MONITORING DATA

The results of environmental monitoring data are shown as below tables:

Table 6. Environmental monitoring data of Quarter I, 2021

Parameters	Location	Monitoring day (DD/MM/YR)	Results	Standard (Country Regulation)	Remark
Electromagnetic Force	Busbar area	29/03/2021	0,128 (A/m)	QCVN 25:2016/BYT	Passed
	Fence area	29/03/2021	0,104 (A/m)	QCVN 25:2016/BYT	Passed
	Central control Room.	29/03/2021	0,080 (A/m)	QCVN 25:2016/BYT	Passed
	Transmission line	29/03/2021	0,0224 (A/m)	QCVN 25:2016/BYT	Passed
	Solar farm	29/03/2021	0,064 (A/m)	QCVN 25:2016/BYT	Passed
Non-hazardous waste	Admin building Central Control Rooms (CCR).	300	(kg)	36/2015/TT-BTNMT	Passed
Hazardous wastes	All the area	00	(kg)		
Groundwater Consumption	Solar farm area	406,9	(m ³)	27/2014/TT-BTNMT	Passed

Table 7. Waste water analysis Results of Quarter 1, 2021

Parameters	Unit	Results	Measuring range	Country Standard	Remark
pH*(31,0°C)	-	7,74	2 ÷ 12,5	5 – 9	Passed
TSS**	mg/L	36	5,0	50	Passed
BOD ₅ **	mg/L	28	1,0	30	Passed
TDS*	mg/L	480	0 ÷ 1.999	500	Passed
S ²⁻ **	mg/L	0,16	0,015	1	Passed
NH ₄ ⁺	mg/L	4	0,011	5	Passed
NO ₃ ⁻	mg/L	0,28	0,013	30	Passed
PO ₄ ³⁻	mg/L	6,67	0,011	6	Passed
Vegetable oil, animal fat *	mg/L	1,8	0,3	10	Passed
Surface active agent *	mg/L	0,36	0,01	5	Passed
Coliform*	MPN/100mL	2900	2	3000	Passed

Results of occupational health and safety performance data of the Project which include both PYTTP staff, and all its contractors/subcontractors regardless of the duration of their contract:

Table 8. Occupational Health and Safety Performance

Item	Number		
	Employees	Contractors	Total
Fatalities	0,00	0,00	0,00
Lost time incidents (including vehicular):	0,00	0,00	0,00
Incidents and near-misses	0,00	0,00	0,00
Hazard observations	0,00	0,00	0,00
Total number of lost workdays resulting from incidents:	0,00	0,00	0,00
Total person-hours worked this reporting period:	15.607	14.400	30.007
Incidence during this reporting period: (Note: Incidence = total lost workdays / total hours worked)	0,00	0,00	0,00
Lost Time Injury Frequency Rate (Number of lost time accidents x 1,000,000 hours / total person-hours worked = injuries per million hours worked)	0,00	0,00	0,00
Lost Time Severity Rate (Total Lost workdays x 1,000,000 hours / total person-hours worked = lost workdays per million hours worked)	0,00	0,00	0,00

V. LAND ACQUISITION AND STATUS OF LIVELIHOOD RESTORATION PLAN IMPLEMENTATION

5.1 Land Acquisition.

The land acquisition and compensation of affected households and land use rights for the project comprise of 2 areas: (1) Plant area and (2) Transmission line area.

5.1.1- Land Acquisition in Plant area

Location: Hoa Hoi commune, Phu Hoa district

Hoa Hoi solar power project is a project with land acquisition, including payment of compensation and land registration, which was undertaken from May 2018 to 2019. Land recovered for the project is mainly agricultural land of private land users in Hoa Hoi commune. The government-led land resumption process, including payment of compensation and land registration, was undertaken from May 2018 to 2019. Discussions with landowners on a sample basis during the site visit the landowners, the sale of land came as an opportunity to earn income from otherwise unproductive land. Also, as per the landowners, there were other productive plots available to them. Mostly cash crops such as sugarcane and cassava are cultivated in the region. And by the time the plant was put into operation (June 2019), all compensation has been completed, from that time to the present time there has been no lawsuit filed by households in terms of numbers compensation has been received, as well as a livelihood support program for households affected by land acquisition.

5.1.2- Land acquisition in 220kV Hoa Hoi transmission line

Location: 220kV transmission line of plant through three communes with 12.2Km length

From May 2018 to February 2019, all affected households already received payment from TTPPY's subcontractor (ACIT) without any complaints.

The amendment of the Investment Registration Certificate has just finished in March 2021, which leads to the delay in processing the issuance of the land use rights for the 38 power transmission towers. PYTTP expected the issuance of the land use rights certificate in August 2021.

5.2 Livelihood restoration plan implementation

The livelihood restoration plan is managed and implemented by the Communal Development Board; financial and technical support and monitoring are provided by PYTTP during implementation; the communal development board and community are directed by the Communal People's Committee (CPC); the technical coordination and support are provided by the professional agencies of Phu Hoa District's People's Committee.

5.2.1. Number of Households Supported

The total number of affected households who are willing, qualified, and vulnerable supported through the LRP within the reporting period are shown at the below:

Table 9. Number of supported households

Area	Number of supported households	Number of households supported during the reporting period	Number of supported households as of March 31, 2021		
			Total	Number of vulnerable households	Number of women
Ho Ham	22	5	5	2	0
Phong Hau	89	19	19	6	3

5.2.2. Livelihood Support Activities

The CDB and PYTTP consultant team have coordinated during project performance, the implemented activities include:

Communication and capacity building:

Organize 03 survey trips on successful income-earning production models at the Hoa Hoi commune for 14 household representatives such as goat and boar farming models. Conduct 12 project exchanges and communication meetings for the participants and local officials, having 230 turns of participants, including 54 turns of female participants. Guide the 14 borrowers as households in phase 2 on how to prepare the production plan to apply for investment capital loans.

Work closely with the Department of Agriculture and Rural Development (DARD) of Phu Hoa district to launch the farming technique coaching for 14 borrowers in phase 2 on March 2021.

Discuss with the head of the village and mass organization boards to design the Subproject Proposals and Regulations on Community Communication Management and use, including TVs, loudspeakers, and bulletins. The bi-week communication plan on socio-economic contents has been weekly designed and launched at the hamlet/village community buildings by the village.

Financial support:

The 25 borrowers were successfully disbursed with VND 470 million on 29 May 2020, for cow farming (10), goat farming (5), wild swine farming (5), duck farming (1), and vegetable planting (4).

VND 79,500,000 was recovered from 25 household borrowers in December 2020, fulfilling 100% of the required recovery percent. The recovered capital was disbursed to the borrowers on 1 March 2021.

On March 2021, 14 household borrowers were disbursed with the total amount of VND 325 million. It included 9 households engaged in cow farming, 2 in goat farming, 1 swine farming, 1 pigeon farming, and 1 involved in business and services.

Establishment and capacity building of Hoa Hoi CDB:

The project was agreed to establish Hoa Hoi CDB with the CPC. The CDB was structured with 8 members, fulfilling the assigned tasks on behalf of the CPC to receive the

supporting financial resource from PYTTP and manage the subsistence development activities for the project community. The CDB's account was opened at Agribank branches to receive the supporting financial resource from PYTTP.

PYTTP Consultant team coordinated with the Board to draft and promulgate the documents, including: i) Operating regulations of CDB; ii) Loan and loan recovery regulations of CDB; iii) Financial management handbook of CDB.

Ten meetings on project plan and management were held with CPC, CDB, PYTTP and participated by 58 turns of persons.

That were worked closely with the CDB to organize 07 monitoring trips with 7 participants per each and support the borrowers. The monitoring trips offered technical support and management instructions to the borrowers before and after loan receipt.

5.2.3. Livelihood Restoration Impacts

Communication and capacity building:

Through the Subproject Proposal on Community Communication, the Head of the hamlet and leaders of the local boards were instructed about how to write the subproject proposals. Therefore, the project's subsequent supports should be supported by the hamlet's subproject proposals before approval.

The 28 households were improved with the technical knowledge on agriculture production through participating in pre-loan farming technique coaching and involved in field trips to learn the successful production model experience in the commune.

Financial support:

At the end of quarter 1, 2021, the 31 households were directly benefited from the project's subsistence development activities by offering interest-free loans (only in 2020 and 2021). Among which, 8/24 households involved in the project were categorized as the top priority group.

Upon loans, the borrowers' income was increased (deducting costs) in May 2020. It was invested into production after 6 months of investment from the loan sources: VND 30.5 million, VND 3 Million, VND 75 million, VND 10 Million and VND 30 Million were injected into cow farming, goat farming, wild swine farming, duck farming, and vegetable planting, respectively. The increased average income of each household after 6 months of investment was VND 6 Million/household.

Establishment and capacity building of Hoa Hoi CDB:

The CDB was established and aware of the commune's roles and responsibilities in managing and implementing the capacity-building and livelihood improvement activities for the local community. This ensured the project performance and sustainability even when PYTTP ended its support at the commune.

The financing source from PYTTP to launch the livelihood restoration activities through a turnover loan with a preferential interest rate of 0.5%/month (start from 2022) aimed to raise the high sense of responsibility of the household, preserve the fund and obtain costs for the CDB's operation even when no support was injected from the project.

The consultant supported to launch of the monthly meetings to prepare the project performance plan and report in quarter 1 of 2021. Up to now, the CDB has actively launched the meetings and monitored the monthly project activities.

5.2.4. LRP Related Grievances

From the beginning of the livelihood restoration plan up to now, PYTTP has not received any complaints regarding the project implementation and the goal without grievance will be maintained by the support team until the project is completed.

5.2.5. LRP Implementation Resource

The resources for implementing the LRP include:

Staffing:

CDB: 08 persons, including 05 CPC officials and 02 heads of the village, including 02 females.

Phu Hoa District's Department of Agriculture and Rural Development: 02 persons, including 01 female.

PYTTP: 05 officials and 01 consultant.

Budgeting:

In May 2020, interest-free loans were supported to 25 local households through CPC with the total support of VND 470,000,000 to develop the livelihood model: Cow, hybrid wild swine & goat farming, clean vegetable planting, and duck farming.

In March 2021, the Development Board received the expenditure support from PYTTP and offered the low-interest loans at an interest rate of 0.5% (since 2022) to 14 households with the total support of VND 325,000,000 to develop the livelihood model: Cow farming for meat, goat farming, swine farming, and small-scale business.

In addition, PYTTP also supported the non-refundable breeds/plant varieties for the new local production models, concretely: 1 pigeon farming household (VND 2,500,000); 1 earthworm farming household (VND 2,500,000); 1 clean vegetable household (VND 1,000,000). The models were responsibly implemented by the household by rotating the breeds to support other households in need after the models were evaluated to be effective. Total support was VND 6,000,000.

Other resources:

PYTTP has sponsored the communication media and community bulletin boards at Nha Rong center of Ho Ham hamlet and Culture house of Phong Hau hamlet so that the socio-economic information may be accessed in the fastest and fullest manner with total support for both hamlets of VND 80,120,000.

Forward Plan/ Next Steps

In order to continue the implementation of the livelihood restoration plan, the consultant team of PYTTP has developed a plan for the activities that will be conducted in the next 6 months as scheduled below:

Table 10. LRP deployment plan

No	Activity	Place	Timeline					
			Apr	May	June	July	Aug	Sept
1	Periodic loan recovery	Phong Hau, Ho Ham						
2	Loan offer to the Project households	Phong Hau, Ho Ham						
3	Technical training on agriculture production	Phong Hau, Ho Ham						
4	Training on report writing skills and project supervision and monitoring skills	CDB						
5	Training on household production planning and management	Phong Hau, Ho Ham						
6	Support for the households to launch the income-earning production models	Phong Hau, Ho Ham						
7	Field trips to learn the production development experience	Phu Hoa district						
8	Assessment on livelihood development efficiency of the borrowers	Phong Hau, Ho Ham						
9	Review on 01-year Project performance	Hoa Hoi commune						
10	CDB meeting, technical support and monitoring for agriculture production of the borrowers	Hoa Hoi commune						
11	Launch of community communication activities	Phong Hau, Ho Ham						

VI. PROGRESS ON THE INDIGENOUS PEOPLES COMMITMENTS

In the process of project implementation, PYTTP has successfully embellished the cemetery for the Cham H'roi group in a reasonable manner and as committed with them before. Besides, the households in the Cham H'roi group have been included in the livelihood restoration plan and PYTTP also created jobs for local people in Hoa Hoi commune come to work at Hoa Hoi solar power plant. The construction of facilities for serving the people of Hoa Hoi commune has also been carried out as described below.

6.1. Commitment on Graveyard Transfer

PYTTP has completed the compensation and support to relocate the graves of the Cham H'Roi people in the project.

Eighteen graves owned by 16 households were relocated to the new cemetery area situated within the periphery of the solar power plant residual land. The ownership of that land was transferred to the Cham people with the People's Committee of Hoa Hoi as witness. The total value of compensation and support for the relocation of graves is VND 690,000,000, in which:

- Compensation value according to the project's planning: VND 116,093,083.
- Value of compensation and additional supported by PYTTP: VND 573,906,917.
- In addition, PYTTP also supports the local commune in the facility building:
- Construction of fences around the new cemetery area.
- Building Suoi Go overflow bridge.
- Repairing 2.5km of the inter-village road at Ho Ham village (Located at the Cham H'Roi people settlement area).
- Install the electric streetlight system along the internal road of Ho Ham village.

6.2 Livelihood and Community Development Programs

PYTTP has supported the Cham H'Roi households affected by the project in the form of loans to build, develop production models, raise livestock to generate income, and develop their lives as below:

- In May 2020, PYTTP provided a loan without interest through the Commune People's Committee (CPC) for 02 households with a total amount of 40,000,000 VND to develop a livelihood model: cow farming. As of March 2021, the average total income per household has increased, from 5,500,000 VND/month to about 6,500,000 VND/month of cow farming.

- In March 2021, the CDB received finance from the PYTTP, and provided VND 90,000,000 to 04 households in Ho Ham village to implement the livelihood models including fattening cows and goat farming. At the same time, the CDB also subsidizes the cost of one household in this village to implement the organic farm and self-sufficient model.

- PYTTP also sponsors the media, bulletin boards at Nha Rong center of Ho Ham village for the people can access the social and economic information as quickly and completely as possible.

6.3 Culturally Appropriate Engagement

On the Tet holidays, the PYTTP's representatives come to visit and celebrate Tet holiday and ask about the health of the village elders as well as the lives of Cham H'Roi households living in Ho Ham village. In addition, PYTTP always respects the customs and practices of the Cham H'Roi people and is always ready to assist a part in the organization of village community activities such as the local festivals, worshiping ceremonies and other related activities.

VII. LABOR AND SOCIAL PROTECTION

The labor and human resource management of the project during the operations phase is in accordance with legal requirements and ADB's Social Protection Requirements. PYTTP has strictly applied it to both PYTTP employees, contractors and subcontractors working at Hoa Hoi solar power plant. In addition, grassroots trade unions have also been established for the purpose of connecting and protecting the interests of workers.

7.1. Human Resources Policies and Procedures

PYTTP has updated the Internal Labor Regulation (pursuant to the Labor Code 2019 of Vietnam effective from January 1st, 2021), amendments as followed:

- Added Chapter II about Nature of employment, equal employment & career development opportunities.
- Regulations on working at night.
- Added Chapter VI about prevention of sexual harassment at work.
- Added new article about " Employees' responsibilities for asset protection".

All the above updated and supplemented items have been issued and informed to all employees of the company and related units.

7.2. Workforce Information

The workforce at Hoa Hoi solar power plant mostly is the local people (the people who live in Phu Yen province) include female workers are also facilitated to do suitable jobs in the solar power plant such as cleaning, housekeeping, protecting and grass cutting as well as solar panel cleaning at the site.

Table 11. Workforce description

Company	Total Number of Workforce		Number of workers terminated	Number of workers hired	No. and % of workforce from the local communities	No. of workforce from affected HH	No. of workforce from Cham community	Type of employment (permanent/contractual/seasonal)
	Male	Female						
PY TTP	12	03	NA	NA	14 93.3%	0	0	Permanent
PECC2	16	0	NA	NA	5 31.25%	0	0	Permanent
Huy Hung	38	4	NA	NA	42 100%	0	0	Permanent
Huy Hung	19	6	NA	NA	25 100%	0	0	Seasonal
Memus Power 1	02	0	NA	NA	02 100%	0	0	Permanent

Note: During the reporting period, there have been no cases of involuntary retrenchment¹ for employees of PYTTP, contractors and subcontractors who are working at Hoa Hoi solar power plant.

7.3. Workers Union

Since the project's operation up to now, the grassroots trade union organization has been established and performed well as a unit to mount and protect the interests of employees.

Name of Workers Union: Grassroots trade union of Phu Yen TTP Joint Stock Company – Phu Yen Branch

Number of Members: 15

Status of Collective Bargaining Agreement: Issued

7.4. Workers Grievances

PYTTP has not received any grievances from the employees, workers of contractors, and subcontractors during the reporting period.

7.5. Compliance with Social Protection Requirements

PYTTP always operates and manages the labor compliance with applicable labor laws in relation to the project and measures taken to comply with international labor standards.

(a) carry out its activities consistent with the intent of ensuring legally permissible equal opportunity, fair treatment and non-discrimination in relation to recruitment and hiring, compensation, working conditions and terms of employment for its workers (including prohibiting any form of discrimination against women during hiring and providing equal work for equal pay for men and women).	PYTTP issued the Internal Labor Regulation which included equal employment & career development opportunity regulations at Chapter II.
(b) not restrict its workers from developing a legally permissible means of expressing their grievances and protecting their rights regarding working conditions and terms of employment	If an employee has concerns about work conditions, compensation and benefits, or other matters relating to his or her employment, we strongly encourage the voicing of those concerns openly and directly to his or her supervisor or to Human Resources Manager or to Board of Directors or to the labor trade union.
(c) engage contractors and other providers of goods and	PYTTP's contractors and service

¹ Collective dismissals which cover all multiple dismissals that are a result of an economic, technical, or organizational reason; or other reasons that are not related to performance or other personal reasons

<p>services:</p> <p>(i) who do not employ child labour or forced labour;</p> <p>(ii) who have appropriate management systems that will allow them to operate in a manner which is consistent with the intent of (a) ensuring legally permissible equal opportunity and fair treatment and nondiscrimination for their workers, and (b) not restricting their workers from developing a legally permissible means of expressing their grievances and protecting their rights regarding working conditions and terms of employment; and</p> <p>(iii) whose subcontracts contain provisions which are consistent with paragraphs 0 and 0 above.</p>	<p>providers signed the commitment to comply with the Labor Law of Vietnam in employment.</p>
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CHAPTER C: ISSUES AND CORRECTIVE ACTIONS

In the last six months, the project has fully implemented corrective actions on environmental and social safeguard issues and corresponding corrective actions were identified during the reporting period and the actions taken to bring the monitoring results as detailed in the table below:

Issue	Corrective Action	Status
Construction waste outside the project. At the landfills under the management of Local authority.	As an immediate action, the project should dispose of the construction wastes appropriately and collect the waste that is scattered within the Project site for proper disposal.	Completed on May 2020.
To many unsafe action and unsafe conditions at site for the remaining construction activities and project does not have the daily safety checking activity.	Resolve the unsafe conditions at site for the remaining construction activities (e.g. working at height and hot-work without proper equipment and safe-work procedures) through implementation of safety protocols and conduct independent daily safety checks.	Completed on August 2020
The project does not have the abstraction permit for groundwater abstraction well of the project.	To ensure its regulatory compliance status, the Project should ensure a groundwater abstraction permit is obtained for the groundwater well installed on-site.	Completed on October 2020. (Valid for 10 years).
The project does not have results are reported on periodic environmental monitoring.	The Project should conduct environmental monitoring programs required by the approved EIA, electromagnetic field testing and recording of waste generation, to fulfill the relevant environmental monitoring-related requirements on the operational Stage: Electromagnetic field testing (quarterly); and Waste generation recording (including solid waste and hazardous wastes, regularly).	Completed on December 2020 (The Periodic environmental monitoring reports must be prepared annually).
The project does not have an external grievance mechanism for the management of external grievances.	The project should develop an external grievance mechanism for management of external grievances.	Completed on December 2020
The project does not have the environmental and social management plan	The project must prepare an environmental and social management plan (ESMP) that includes the proposed mitigation measures,	Completed on December 2020

(ESMP) for the operation phase.	environmental monitoring, and reporting requirements, Environmental Management Plan and the Environmental Monitoring Plan. Various high-level HSSE management programs regarding waste management, wastewater management, occupational health and safety (OHS).	
The project does not store or keep any snake-bite kits for use in a snake-bite event.	The project has prepared 02 mobile medical first aid kits and snake-bite kits for use in a snake-bite event.	Completed on August 2020

CHAPTER D: PUBLIC CONSULTATION, INFORMATION DISCLOSURE AND GRIEVANCE REDRESS MECHANISM

I. Sequence and procedures for external complaints

PYTTP has issued the procedure No.04B/2020/TTP-HSSE.01 dated December 28, 2020 on the receipt and resolution of external complaints.

The steps follow procedure flowchart is as follows:

No.	Description/ Timeframe	Person in charge/implementation
Step 1	Receive and Log the Grievance (01 working day).	-Individuals, organizations and agencies exercising the right to make grievance: + Contractor's and subcontractor's employees + Project-affected people, local communities including Cham H'roi communities in Hoa Hoi Commune + other external stakeholders of the Hoa Hoi Solar Plant or Phu Yen TTP JSC-Phu Yen Branch.
Step 2	Acknowledgement of the Grievance. (02 working days).	-The CRL officer will communicate verbally or in writing to the complainant within 2 working days after receipt of the grievance to acknowledge receipt and to provide information on the proposed steps and the anticipated timeframes for resolving the grievance.
Step 3	Classification of the Grievance and Forwarding it to relevant Departments. (3 working days).	The grievance will be transferred to HR or HSSE section (depending on the case) to verify the content within a maximum of 03 days from the date of receipt of the complaint or in the most complicated case, more than 05 days. It is then necessary to discuss resolution options, timeframes, and complaint status monitoring.
Step 4	Follow up on Grievance Resolution. (Undefined Timeframe).	CRL officer will follow up with the concerned PYTTP department and stakeholders on progress to resolve the complaint. Once the resolution is agreed by the PYTTP concerned department and the concerned stakeholder, the CRL officer will inform the complainant of the resolution in writing. It will also be explained to the complainant verbally if deemed needed or requested by the complainant. If the complainant will agree with the resolution, the CRL officer will ensure its implementation, and the complaint is considered closed.

		<p>The resolutions shall be recorded in the Grievance Log Form by the CRL officer within 3 working days and kept in place.</p> <p>It is noted that the timeframe of the resolution proposal and implementation cannot be defined because it depends on the working schedule of the stakeholders.</p> <p>If the complainant is not satisfied with the resolution, the CRL officer and the concerned PYTTP department and stakeholders will re-assess the complaint and make sure all alternatives within the company framework are explored before referring to external mechanisms</p> <p>If the complainant is still not satisfied with the second resolution made by the concerned PYTTP department, the complaint can be filed in the existing government-mandated GRM.</p>
Step 5	Documentation and Reporting (10 working days).	<p>All follow-up actions as described in Step 4 will be tracked in the Grievance Log of the Project.</p> <p>The CRL officer will regularly update Grievance Log on the resolution status of grievances.</p> <p>Resolution process of such grievances shall be included in the progress report to the PYTTP and Hoa Hoi CPC. The report should include a summary of the number of grievances lodged in a period of time, categorization, nature, basis of the complaint, and resolution status of grievances and recommendations including corrective actions if necessary.</p>

Summary of complaints, grievance, or protests received from local communities, recorded dates and organizations involved, actions taken to resolve grievances; any outstanding issues and proposed measures for resolution:

During the last six months, PYTTP did not receive any complaints related to the project from local communities.

II. Details of consultations, with local communities, non-governmental organizations, civil society groups, and other stakeholders, including affected people.

PYTTP has advised on the development of a Livelihood Restoration Plan (LRP) in Hoa Hoi commune to improve the lives of households partially affected by land acquisition under the Hoa Hoi Solar Power Plant project (investment capital sponsored by TTP Phu Yen Joint Stock Company).

PYTTP hired an LRP consultant to improve the capacity of the community, building a mechanism to coordinate and support among stakeholders to ensure that the livelihood restoration plan in Hoa Hoi commune is implemented by the design, bringing about effective development of sustainable livelihoods for the community. The LRP consultant together with the focal point of the project, the officer in charge of the People's Committee of Hoa Hoi

commune, the staff of the Department of Agriculture and Rural Development of Phu Hoa District have well-implemented supporting activities during the implementation process of Livelihood Restoration Plan in Hoa Hoi commune in 2021.

Project procedures for (a) hiring and (b) acquisition of goods and services.

2.1 Project procedures for hiring

PYTTP has been applying the recruitment process for officers and employees, which includes the following steps

1. Recruitment request:

Managers submit their recruitment request to HRM and CEO for approval, in which they have to clarify:

- ✓ The need for the position, the number of personnel to be recruited, the position is a short-term or long-term one
- ✓ Detailed job description and requirements about candidates
- ✓ Time to apply and expected time for the prequalification interview
- ✓ Official time for newly recruited personnel to start working at the Company.

2. Publicly announcing recruitment needs in the following form:

- Announcement on the media: company website, social networks, job websites in Phu Yen, etc.
- Send recruitment notices to local authorities

3. Receive and select candidates' application, shortlist CVs

4. Selection interview

5. Apprentice probation

6. Decide to recruit.

2.2 Information on project-related work opportunities for local people

To provide equal employment and advancement opportunities to all individuals, employment decisions at PYTTP are based on merit, qualifications, and abilities. We also offer equal work opportunities to the local people who are of Phu Yen province). As the result, Phu Yen TTP Joint Stock Company has currently had:

- Our own signed labor contracts with local people: 14/15 employees (Appendix 1).
- Local people of subcontractors working at Hoa Hoi solar power plant:

* The subcontractor works regularly at Hoa Hoi plan: PECC2: 05/16 employees; Huy Hung Security and Services Company Limited: 67/67; Mernus Power 1: 02/02 employees (Appendix 2).

* Other contractors and subcontractors such as Anhui Electric Power Construction Company Limited, V.GES Joint Stock Company, European Pump Joint Stock Company (PECOM): hiring about 100 unskilled workers per year.

2.3 Details of approach/methodology on addressing the concerns and issues raised at consultations and during operations.

For commune, district, provincial authorities, departments, partners of PYTTP:

- Sending administrative documents raising problems (official letters, notices, open letters, etc.)
- PYTTP receive and process and reply in writing.

For opinions and recommendations of people related to the plant

- Receive information
- Contact information verification
- Handling (contact dialogue if needed).

2.4 Describe efforts/activities undertaken to promote community relations and local development for villages in the project area.

PYTTP has always been a pioneer in community relations programs to improve the lives of people in Hoa Hoi commune in general and partly affected households due to land acquisition belongs to Hoa Hoi solar power plant.

PYTTP has implemented many community programs in Phu Yen province in general and in Hoa Hoi commune in particular. Specifically, programs in Hoa Hoi commune from October 2020 to the end of March 2021 are as follows:

No.	Name of the program	Hold time	Connection unit	Sponsored Content	Expense (USD)
1	Livelihood program for the people of Hoa Hoi commune	From February to March 2021	People's Committee of Hoa Hoi commune	Support loans without interest, technical assistance, and training for affected households partly due to the recovery of the Hoa Hoi solar power project to develop livelihood models (animal husbandry, crop, etc.)	11,865
2	Security cameras in Hoa Hoi commune	25-Dec-20	Hoa Hoi commune police	Installation of the security camera system in Hoa Hoi commune	3,217
3	Giving gifts to poor households in Hoa Hoi commune on the occasion of the Lunar New Year	04-Feb-21	Vietnam fatherland front committee Hoa Hoi commune	Sponsor 40 gift baskets (VND 500,000 /set)	870
	Total				15,952

CHAPTER E: OTHER INFORMATION AND FEEDBACK

Besides the activities related to Environmental and Social management shown above, PYTTP has developed a plan to carry out communication programs on safe electricity and security for the households living around the solar farm and along the transmission line. The local community activities are also interested in and supported by PYTTP such as organizing the Mid-Autumn Festival for children, organizing gifts on the occasion of the Lunar New Year to families in difficult circumstances. These activities are always planned to organize and maintain regular operations every year. In addition, the internal campaigns are also organized annually such as activities in response to World Water Day - March 22 every year, and the plastic waste reduction programs to apply for the year 2021 is under development.

CHAPTER F: CONCLUSION

In terms of the overall implementation process, PYTTP has fully implemented the requirements of Environmental and Social management starting from the project implementation in accordance with the current legal requirements of Vietnam and the requirements of stakeholders. During the operation phase, PYTTP has followed the contents registered in the EIA report and the Environment and Society Management Plan. HSSE management system has been approved and applied from December 2020. In order to continue to maintain the aforementioned results and to continue the Environmental and Social Management activities, PYTTP also made the planning to implement for the next semi-annual report as detailed schedule below.

No.	Activities	Timeline	Owner
01	Periodic environmental testing - Quarter II and Quarter III, 2021.	Quarter II-III/2021	HSSE
02	Organizing Mid-Autumn Festival program for children.	August, 2021	Admin
03	Prepare plans for flood and storm prevention of 2021.	September, 2021	HSSE
04	Conduct the First-aid training for all employees of PYTTP and contractors, subcontractors at Hoa Hoi site.	October, 2021	HSSE
05	Annual fire drills.	November, 2021	HSSE
06	Organize a school traffic safety campaign.	December, 2021	HSSE
07	Giving gifts to poor households in the commune on the occasion of the Lunar new year.	December, 2021	Admin HSSE

APPENDIX 1: LIST OF PYTTP EMPLOYEES WHO ARE LOCAL PEOPLE IN PHU YEN PROVINCE

No.	Full Name	Gender	Job title
1.	Lê Thị Ngọc Anh	Female	Admin cum LRP Staff
2.	Phạm Thị Cẩm Quyên	Female	Accountant cum LRP Staff
3.	Nguyễn Hữu Thanh	Male	Driver
4.	Lê Thị Mỹ Trinh	Female	Cleaning Staff
5.	Đặng Trường An	Male	Operation Manager
6.	Phạm Ngọc Bìa	Male	Head of Operation Shift
7.	Võ Công Khoa	Male	Head of Operation Shift
8.	Cao Nhật Tân	Male	Head of Operation Shift
9.	Đoàn Ngọc Thư	Male	Head of Operation Shift
10.	Nguyễn Văn Thuật	Male	Head of Operation Shift
11.	Võ Văn Dục	Male	Operation Staff
12.	Lâm Vũ Linh	Male	Operation Staff
13.	Nguyễn Tiên Chinh	Male	Operation Staff
14.	Trần Hưng Dương	Male	Operation Staff

**APPENDIX 2: LIST OF CONTRACTOR EMPLOYEES WHO
ARE LOCAL PEOPLE IN PHU YEN PROVINCE**

No.	Full Name	Gender	Contractor/ Subcontractor	Job title
1.	Trần Quốc Dũng	Male	PECC2	Head of Operation Shift
2.	Phạm Ngọc Mạnh	Male	PECC2	Head of Operation Shift
3.	Nguyễn Duy Luân	Male	PECC2	Operation Staff
4.	Trần Quốc Toàn	Male	PECC2	Operation Staff
5.	Tô Khắc Nhựt	Male	PECC2	Driver
6.	Nguyễn Xuân Tiến	Male	Huy Hung	Security Team Leader
7.	Sô Minh Vược	Male	Huy Hung	Security Staff
8.	Nguyễn Tân Hiếu	Male	Huy Hung	Security Staff
9.	Nguyễn Thị Kim Toàn	Female	Huy Hung	Security Staff
10.	Hồ Công Thức	Male	Huy Hung	Security Staff
11.	Trần Văn Tường	Male	Huy Hung	Security Staff
12.	Trần Công Danh	Male	Huy Hung	Security Staff
13.	Diệp Văn Hợi	Male	Huy Hung	Security Staff
14.	Trần Thị Thảo	Female	Huy Hung	Security Staff
15.	Lê Tân Hòa	Male	Huy Hung	Security Staff
16.	Lương Văn Được	Male	Huy Hung	Security Staff
17.	Quách Dũng	Male	Huy Hung	Security Staff
18.	Nguyễn Văn Hòa	Male	Huy Hung	Security Staff
19.	Nguyễn Thị Cẩm Quyên	Female	Huy Hung	Security Staff
20.	Trần Công Trai	Male	Huy Hung	Security Staff
21.	Lê Văn Cước	Male	Huy Hung	Security Staff
22.	Đỗ Thị Kim Hậu	Female	Huy Hung	Security Staff
23.	Trần Văn Sang	Male	Huy Hung	Security Staff
24.	Y Lành	Male	Huy Hung	Security Staff
25.	Phan Văn Khương	Male	Huy Hung	Security Staff
26.	Trần Văn Ngọc	Male	Huy Hung	Security Staff
27.	Võ Thành Thái	Male	Huy Hung	Security Staff
28.	Nguyễn Phụng Hải	Male	Huy Hung	Security Staff
29.	Huỳnh Văn Song	Male	Huy Hung	Security Staff
30.	Lê Văn Ngọc	Male	Huy Hung	Security Staff
31.	Trần Văn Tâm	Male	Huy Hung	Security Staff
32.	Huỳnh Ngọc Sinh	Male	Huy Hung	Security Staff
33.	Đặng Văn Nghĩa	Male	Huy Hung	Security Staff
34.	Trần Văn Minh	Male	Huy Hung	Security Staff
35.	Phan Hùng	Male	Huy Hung	Security Staff
36.	Ngô Minh Hoàng	Male	Huy Hung	Security Staff
37.	Lê Văn Thọ	Male	Huy Hung	Security Staff
38.	Phan Đình Thông	Male	Huy Hung	Security Staff
39.	Phan Đình Dũng	Male	Huy Hung	Security Staff
40.	Hồ Thị Thanh Nga	Female	Huy Hung	Security Staff
41.	Đỗ Cao Tý	Male	Huy Hung	Security Staff
42.	Phan Văn Long	Male	Huy Hung	Security Staff
43.	Lê Văn Minh	Male	Huy Hung	Security Staff

44	Ngô Duy Nghĩa	Male	Huy Hung	Security Staff
45	Y Hoàng	Male	Huy Hung	Security Staff
46	Trần Văn Lộc	Male	Huy Hung	Security Staff
47	Nguyễn Tất Đạt	Male	Huy Hung	Security Staff
48	Trần Mạnh Nhi	Male	Huy Hung	PV Cleaning worker
49	Trần Quang Phụng	Male	Huy Hung	PV Cleaning worker
50	Trần Tự Giang	Male	Huy Hung	PV Cleaning worker
51	Phan Đình Cường	Male	Huy Hung	PV Cleaning worker
52	Thái Thị Cẩm Nhung	Female	Huy Hung	PV Cleaning worker
53	Thái Thị Cẩm Tiên	Female	Huy Hung	PV Cleaning worker
54	Nguyễn Thị Phương Danh	Female	Huy Hung	PV Cleaning worker
55	Lê Thị Hậu	Female	Huy Hung	PV Cleaning worker
56	Trần Công Nho	Male	Huy Hung	PV Cleaning worker
57	Trần Văn Thi	Male	Huy Hung	PV Cleaning worker
58	Nguyễn Văn Bình	Male	Huy Hung	PV Cleaning worker
59	Nguyễn Văn Thọ	Male	Huy Hung	PV Cleaning worker
60	Huỳnh Tân Vạn	Male	Huy Hung	PV Cleaning worker
61	Đặng Ngọc Minh Tú	Male	Huy Hung	PV Cleaning worker
62	Trần Việt Cường	Male	Huy Hung	PV Cleaning worker
63	Nguyễn Xuân Bình	Male	Huy Hung	PV Cleaning worker
64	Đỗ Hoàng Quốc	Male	Huy Hung	PV Cleaning worker
65	Võ Ngọc Minh	Male	Huy Hung	PV Cleaning worker
66	Y Et	Male	Huy Hung	PV Cleaning worker
67	Trần Văn Hạn	Male	Huy Hung	PV Cleaning worker
68	Nguyễn Thị Hoa Lệ	Female	Huy Hung	Grass cutting / Cleaning Worker
69	Nguyễn Thị Thanh Phụng	Female	Huy Hung	Grass cutting / Cleaning Worker
70	Phan Đăng Năm	Male	Huy Hung	Grass cutting / Cleaning Worker
71	Nguyễn Văn Nam	Male	Huy Hung	Grass cutting / Cleaning Worker
72	Y Hải	Male	Huy Hung	Grass cutting / Cleaning Worker
73	Trương Công Lâm	Male	Memus Power 1	Landscape worker
74	Trần Công Liệu	Male	Memus Power 1	Landscape worker

Name and Signature of Preparer:

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ANNEX 1
LIVELIHOOD RESTORATION PLAN MONITORING

LIVELIHOOD RESTORATION ACTIVITIES MONITORING MATRIX

No.	Name of HH Representative	Address (village)	Baseline HH Income per month	Livelihood-Support Provided	Date Received	Counterpart Responsibility of HH	Status of Implementation	Follow-up Support/ Intervention provided (Date)	Income derived from the livelihood-support activities
1	Nguyen Thanh Nhan	Phong Hau	From 5 to 8 million	Cow breeding	29/5/2020	-Building an animal lodging -Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by CPC HoaHoi (June 9, September 22, December 21, 2020) and by CDB (March 22, June 14, 2021)	Breed purchase with VND 25 million and the current value of domestic animals of approximately VND 31 million, deducting increased costs of approximately 4 million
2	Phan Van Khuong	Phong Hau	From 5 to 8 million	Cow breeding	29/5/2020	-Building an animal lodging -Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by CPC HoaHoi (June 9, September 22, December 21, 2020) and by CDB (March 22, June 14, 2021)	Breed purchase with VND 22,5 million and the current value of domestic animals of approximately VND 29 million, deducting increased costs of approximately 3,5 million
3	Nguyen Chac	Phong Hau	Less than 3.5 million	Cow breeding	29/5/2020	-Repair an animal lodging -Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by CPC HoaHoi	Breed purchase with VND 17 million. After 9 months the cow has been sold, deducting losses costs of approximately 3,5 million
								(June 8, September 22, December 21, 2020) and by CDB (March 22, June 14, 2021)	
4	Tran Quang Loc	Phong Hau	From 3.5 to 5 million	Cow breeding	29/5/2020	-Repair an animal lodging -Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by CPC HoaHoi (June 9, September 22, December 21, 2020) and by CDB (March 22, June 14, 2021)	Breed purchase with VND 22 million and the current value of domestic animals of approximately VND 28 million, deducting increased costs of approximately 4 million
5	Nguyen Le	Phong Hau	More than 8 million	Cow breeding	29/5/2020	-Repair an animal lodging -Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by CPC HoaHoi (June 9, September 21, December 22, 2020) and by CDB (March 20, June 14, 2021)	Breed purchase with VND 24 million and the current value of domestic animals of approximately VND 29 million, deducting increased costs of approximately 3 million
6	Do Cu	Phong	From 5	Cow	29/5/2020	Purchase and	Loan use to	Follow-up	Breed purchase with VND 22

		Hau	to 8 million	breeding		custody of breeds	purchase one cow	and technique support by CPC HoaHoi (June 9, September 23 December 22, 2020) and by CDB (March 22, June 14, 2021	million and the current value of domestic animals of approximately VND 31 million, deducting increased costs of approximately 5 million
7	Do Minh	Phong Hau	From 5 to 8 million	Cow breeding	29/5/2020	Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by CPC HoaHoi (June 4, September 23 December 22, 2020) and by CDB (March 22, June 14, 2021	Breed purchase with VND 25 million and the current value of domestic animals of approximately VND 33 million, deducting increased costs of approximately 4 million
8	Do Chut	Phong Hau	From 3.5 to 5 million	Cow breeding	29/5/2020	Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by CPC HoaHoi (June 10, September 21 December 22, 2020) and by CDB (March 20, Jun14, 2021	Breed purchase with VND 21,3 million and the current value of domestic animals of approximately VND 30 million, deducting increased costs of approximately 4 million

9	Y Dung	Ho Ham	From 3.5 to 5 million	Cow breeding	29/5/2020	Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by CPC HoaHoi (June 10, September 21 December 22, 2020) and by CDB (March 20, June 14, 2021	Breed purchase with VND 23 million and the current value of domestic animals of approximately VND 26 million, deducting increased costs of approximately 3 million
10	Y Et	Ho Ham	Less than 3.5 million	Cow breeding	29/5/2020	Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by CPC HoaHoi (June 4, September 23 December 22, 2020) and by CDB (March 22, June 14, 2021	Breed purchase with VND 22 million and the current value of domestic animals of approximately VND 29 million, deducting increased costs of approximately 3 million
11	Pham Van Than	Phong Hau	From 5 to 8 million	Wild boar breeding	29/5/2020	-Expanded an animal lodging -Purchase and custody of breeds	Loan use to purchase three wild boar	Follow-up and technique support by CPC HoaHoi (June 4, September 23 December 22, 2020) and by CDB (March 22,	Breed purchase with VND 6 million and the current value of domestic animals of approximately VND 42 million, deducting increased costs of approximately 30 million

								June 14, 2021	
12	Vo Ngoc An	Phong Hau	More than 8 million	Wild boar breeding	29/5/2020	Purchase and custody of breeds	Loan use to purchase four wild boar	Follow-up and technique support by CPC HoaHoi (June 11, September 21, December 23, 2020) and by CDB (March 23, June 15, 2021)	Breed purchase with VND 26 million and the current value of domestic animals of approximately VND 67 million, deducting increased costs of approximately 33 million
13	Huynh The Tung	Phong Hau	From 5 to 8 million	Wild boar breeding	29/5/2020	-Expanded an animal lodging -Purchase and custody of breeds	Loan use to purchase three wild boar	Follow-up and technique support by CPC HoaHoi (June 11, September 24, December 23, 2020) and by CDB (March 23, June 15, 2021)	Breed purchase with VND 25 million and the current value of domestic animals of approximately VND 37 million, deducting increased costs of approximately 7 million
14	Nguyen Van Hoai	Phong Hau	More than 8 million	Wild boar breeding	29/5/2020	-Expanded an animal lodging -Purchase and custody of breeds	Loan use to purchase three wild boar	Follow-up and technique support by CPC HoaHoi (June 11, September 24, December 23, 2020)	Breed purchase with VND 4,5 million and the current value of domestic animals of approximately VND 12,5 million, deducting increased costs of approximately 5 million
								and by CDB (March 23, June 15, 2021)	
15	Pham Tan Hoi	Phong Hau	From 3.5 to 5 million	Wild boar breeding	29/5/2020	-Building a animal lodging -Purchase and custody of breeds	Loan use to purchase three wild boar	Follow-up and technique support by CPC HoaHoi (June 11, September 24, December 23, 2020) and by CDB (March 23, June 15, 2021)	Breed purchase with VND 12 million and the current value of domestic animals of approximately VND 20 million, deducting increased costs of approximately 2 million.
16	Truong Van Suu	Phong Hau	Less than 3.5 million	Goat breeding	29/5/2020	Purchase and custody of breeds	Loan use to purchase eight Goat	Follow-up and technique support by CPC HoaHoi (June 11, September 24, December 23, 2020) and by CDB (March 23, June 15, 2021)	Breed purchase with VND 21 million and the current value of domestic animals of approximately VND 21 million, deducting losses costs of approximately 4 million.
17	Nguyen Van Truong	Phong Hau	From 3.5 to 5 million	Goat breeding	29/5/2020	Purchase and custody of breeds	Loan use to purchase six Goat	Follow-up and technique support by CPC HoaHoi (June 11, September 24)	Breed purchase with VND 22 million and the current value of domestic animals of approximately VND 35 million, deducting increased costs of approximately 3 million.

								December 23, 2020) and by CDB (March 23, June 15, 2021	
18	Vu Van Dong	Phong Hau	More than 8 million	Goat breeding	29/5/2020	Purchase and custody of breeds	Loan use to purchase eight Goat	Follow-up and technique support by CPC HoaHoi (June 6, September 23 December 22, 2020) and by CDB (March 22, June 14, 2021	Breed purchase with VND 22 million and the current value of domestic animals of approximately VND 30 million, deducting increased costs of approximately 5 million.
19	Ngo Si Hiep	Phong Hau	From 5 to 8 million	Wild boar breeding	29/5/2020	-Building a animal lodging -Purchase and custody of breeds	Loan use to purchase three wild boar	Follow-up and technique support by CPC HoaHoi (June 8, September 24 December 23, 2020) and by CDB (Mar. 24, Jun14, 2021	Breed purchase with VND 12 million and the current value of domestic animals of approximately VND 15 million, deducting increased costs of approximately 3 million.
20	Le Van Hoang	Phong Hau	More than 8 million	Goat breeding	29/5/2020	Purchase and custody of breeds	Loan use to purchase eight Goat	Follow-up and technique support by CPC HoaHoi (June 8, September	Breed purchase with VND 15 million . The seed is developing stably (not yet spawning)
								24 December 23, 2020) and by CDB (March 24, June 14, 2021	
21	Nguyen Van Hung	Phong Hau	From 3.5 to 5 million	Growing Clean Vegetables	29/5/2020	Cultivate the soil to grow melons and take care of the crops	Loan use to grow melons	Follow-up and technique support by CPC HoaHoi (June 6, September 23 December 22, 2020) and by CDB (March 22, June 14, 2021	Seeding purchase with VND 15 million. Harvested VND 30 million, deducting increased costs of approximately 5 million.
22	Do Van Trinh	Phong Hau	From 5 to 8 million	Duck raising	29/5/2020	Purchase and custody of breeds	Loan use to buy 1500 ducklings	Follow-up and technique support by CPC HoaHoi (June 8, September 24 December 23, 2020) and by CDB (March 24, June 14, 2021	Breed purchase with VND 15 million and the current value of domestic animals of approximately VND 33 million, deducting increased costs of approximately 10 million.

23	Nguyen Cao Toan	Phong Hau	More than 8 million	Growing Clean Vegetables	29/5/2020	Completing the model of growing clean vegetables on a grid	Loan use to growing clean vegetables	Follow-up and technique support by CPC HoaHoi (June 6, September 23 December 22, 2020) and by CDB (March 22, June 14, 2021)	Seeding purchase with VND 10 million. Harvested VND 15 million, deducting the cost of sufficient capital
24	Truong Van Minh	Phong Hau	From 5 to 8 million	Growing Clean Vegetables	29/5/2020	Growing Pumpkin	Loan use to growing pumpkin	Follow-up and technique support by CPC HoaHoi (June 6, September 23 December 22, 2020) and by CDB (March 22, June 14, 2021)	Seeding purchase with VND 7 million. Harvested VND 23 million, deducting increased costs of approximately 6 million
25	Pham Thi Ngai	Phong Hau	More than 8 million	Growing Clean Vegetables	29/5/2020	Growing Pumpkin	Loan use to growing pumpkin	Follow-up and technique support by CPC HoaHoi (June 8, September 24 December 23, 2020) and by CDB (March 24,	Seeding purchase with VND 2 million. Harvested VND 17 million, deducting increased costs of approximately 5 million
								June 14, 2021	
26	Luong Thi Chuong	Phong Hau	Less than 3.5 million	Cow breeding	1/3/2021	Purchase and custody of breeds	Loan use to purchase two cow	Follow-up and technique support by DARD (March 2,2021) and by CDB (March 10 and 29, 2021)	Breed purchase with VND 26 million. The seed grows stably
27	Nguyen Thu	Phong Hau	From 5 to 8 million	Cow breeding	1/3/2021	Purchase and custody of breeds	Unused loan	Follow-up and technique support by DARD (March 2,2021) and by CDB (March 10, 24 and 29, 2021)	<u>In the area of Phu Hoa district and Hoa Hoi commune at this time, there is an epidemic of foot-and-mouth disease, so the household has not been able to buy seed. At the end of April 2021, the household has purchased 1 seed.</u>
28	Nguyen Chi	Phong Hau	More than 8 million	Cow breeding	1/3/2021	Purchase and custody of breeds	Unused loan	Follow-up and technique support by DARD (March 2,2021) and by CDB (March 10, 22 and 29, 2021)	In the area of Phu Hoa district and Hoa Hoi commune at this time, there is an epidemic of foot-and-mouth disease, so the household has not been able to buy seed. At the end of April 2021, households have bought a plow (converting the model from raising cows to buying plows for agricultural production)

29	Pham Hanh	Phong Hau	From 3.5 to 5 million	Cow breeding	1/3/2021	Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by DARD (March 2,2021) and by CDB (March 10 and 29, 2021)	Breed purchase with VND 20 million. The seed grows stably
30	Huynh Xuan Thao	Phong Hau	Less than 3.5 million	Cow breeding	1/3/2021	Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by DARD (March 2,2021) and by CDB (March 10 and 29, 2021)	Breed purchase with VND 30 million. The seed grows stably
31	Do Lun	Phong Hau	Less than 3.5 million	Cow breeding	1/3/2021	Purchase and custody of breeds	Unused loan	Follow-up and technique support by DARD (March 2,2021) and by CDB (March 10, 27 and 29, 2021)	<u>In the area of Phu Hoa district and Hoa Hoi commune at this time, there is an epidemic of foot-and-mouth disease, so the household has not been able to buy seed. At the end of April 2021, the household has purchased 1 seed.</u>
32	Bui Thi Tuyet Nguyen	Phong Hau	Less than 3.5 million	Cow breeding	1/3/2021	Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by	Breed purchase with VND 25,5 million. The seed grows stably
								DARD (March 2,2021) and by CDB (March 10 and 29, 2021)	
33	Luong Thi Que	Phong Hau	From 3.5 to 5 million	Pig breeding	1/3/2021	Purchase and custody of breeds	Loan use to purchase three pig	Follow-up and technique support by DARD (March 2,2021) and by CDB (March 10 and 29, 2021)	Breed purchase with VND 21 million. The seed grows stably
34	Huynh Cao Ky	Phong Hau	From 3,5 to 5 million	Pigeon breeding	1/3/2021	-Building a animal lodging -Purchase and custody of breeds	Loan use to purchase twenty Pigeon	Follow-up and technique support by DARD (March 2,2021) and by CDB (March 10 and 29, 2021)	Breed purchase with VND 2,5 million. The seed grows stably
35	Y Phuoc	Ho Ham	From 5 to 8 million	Cow breeding	1/3/2021	Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by DARD (March 2,2021) and by CDB (March 10 and 29, 2021)	Breed purchase with VND 25 million. The seed grows stably

36	Y Lanh	Ho Ham	Less than 3.5 million	Cow breeding	1/3/2021	Purchase and custody of breeds	Loan use to purchase one cow	Follow-up and technique support by DARD (March 2, 2021) and by CDB (March 10 and 29, 2021)	Breed purchase with VND 21 million. The seed grows stably
37	Nguyen Xuan Truong	Phong Hau	More than 8 million	Gas trading	1/3/2021	Buy gas and sell to customers	Loan use to buy thirty-seven gas trading	Follow-up and technique support by CDB (March 10, 19 and 29, 2021)	Buy thirty-seven gas trading with VND 25 million
38	Ho Bien	Ho Ham	From 3.5 to 5 million	Goat breeding	1/3/2021	-Building a animal lodging -Purchase and custody of breeds	Loan use to buy four goat	Follow-up and technique support by DARD (March 2, 2021) and by CDB (March 10, 26 and 29, 2021)	Breed purchase with VND 16 million. Unstable seed (1 seed with broken leg sold; 1 seed died due to disease)
39	La O Suu	Ho Ham	From 3.5 to 5 million	Goat breeding	1/3/2021	-Building a animal lodging -Purchase and custody of breeds	Loan use to buy goat	- Follow-up and technique support by DARD (March 2, 2021) and by CDB (March 10, 24, 29, 2021)	Building a animal lodging with VND 16 million. The household doesn't buy a goat

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