

**World Bank-financed Global “One Health” Hainan
Demonstration Project
(China Emerging Infectious Disease Prevention,
Readiness and Response Project – Hainan)**

Stakeholder Engagement Plan

Hainan Provincial Development and Reform Commission (HPDRC)

June 2023

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Abbreviations and Acronyms

AP	Affected Person
E&S	Environmental and Social
EIA	Environmental Impact Assessment
ESCP	Environmental and Social Commitment Plan
ESF	Environmental and Social Framework
ESMF	Environmental and Social Management Framework
ESS	Environmental and Social Standard
FGD	Focus Group Discussion
GRM	Grievance Redress Mechanism
HPDRC	Hainan Provincial Development and Reform Commission
LAR	Land Acquisition and Resettlement
PIU	Project Implementation Unit
PMO	Project Management Office
PRC	People's Republic of China
SIA	Social Impact Assessment
SEP	Stakeholder Engagement Plan
TA	Technical Assistance

Units

Currency unit	=	Yuan (CNY)
US\$1.00	=	RMB6.56
1 hectare	=	15 mu

Executive Summary

This Stakeholder Engagement Plan (SEP) is prepared for the Global “One Health” Hainan Demonstration Project (hereinafter, the “Project”) on the basis of the completed SEP for the China Emerging Infectious Disease Prevention, Readiness and Response Project, and is a dynamic document.

This SEP identifies key stakeholders of each sub-project at different stages, evaluates their impacts on the Project, and makes a summary analysis on this basis.

Project-affected parties include community residents, antibiotic pharmaceutical companies, stockbreeding companies or large-scale breeders, animal and plant inspection and quarantine workers, wild animal protection and testing workers, healthy market transport, vendors and disinfection workers, key laboratory researchers, quarantine center security guards, public medical institution workers, border control agents, international transport workers, urban waste collection and treatment workers, etc.

Other interested parties include the PMO, PIUs, Hainan provincial and municipal governments, government agencies concerned, sub-district offices, community committees, industry organizations, media (e.g., Hainan Daily, www.hinews.cn), design and consulting agencies, women’s federations. Based on the characteristics of the sub-projects, no special approval is involved, and the government agencies concerned perform routine project management and supervision within their scope of authority only.

Among project-affected parties, vulnerable groups, and their main interests and needs have been further identified, mainly including low-income residents, old people, left-behind children, infectious disease patients, seasonal floating population, etc.

A project information (especially E&S impact information) disclosure plan, a stakeholder engagement program, a feedback mechanism, and grievance redress mechanisms (GRMs) for the Project and workers have been established on the basis of stakeholder identification and analysis of each sub-project. This SEP makes arrangements on organizational support, resources, and E&S performance monitoring for the PIUs.

1 Introduction

1.1 Project Description

Currently, Hainan Province is in a key period of building an international free trade port, deepening reform and innovation of institutional mechanisms, and improving its social governance system and governance modernization level. In the process of building a free trade port with Chinese characteristics with high standards and quality, it is necessary to benchmark the highest and prevailing international standards to improve the “one health” standard monitoring and reporting system, and remove institutional obstacles to development.

The Project plans to introduce the “one health” concept comprehensively, change the conventional governance pattern with focus on reform and innovation in the public health sector, and set a practical example of “one health” pioneering featuring “one law, one platform for each individual”. In addition, the Project will build an all-round “one health” system by strengthening top-level design, cross-disciplinary joint research, talent training and international cooperation.

The gross investment in the Project is \$203.5482 million, including a Bank loan of \$175 million. The Project has a construction period of 5 years, beginning from July 2023, and consists of 4 sub-projects (see Table 1-1). Therefore, the demonstration of “one health” in Hainan will be taken as an important means of reform and innovation of institutional mechanisms to explore the integration of human health, animal and plant safety, and environmental protection, build a free trade port with Chinese characteristics with high standards and quality, and gain new experience in national ecological development.

Table 1-1 Summary of Components

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
Sub-project 1: Improve the risk-based monitoring system	1.1 Carry out research and risk assessment of zoonotic diseases: Investigate and analyze the current situation and development trend of zoonotic diseases in Hainan Province by carrying out research on relevant issues	Technical Assistance/ Capacity Building	Provincial Development and Reform Commission, Provincial Health Commission, Provincial Department of Ecology and Environment, Provincial Department of Agriculture and Rural Affairs, Provincial Market Supervision Authority, Provincial Forestry Bureau	468.29
	1.2 Building of a comprehensive platform for multi-point trigger monitoring and early warning and analysis application system for infectious diseases: developing multi-point trigger monitoring and early warning system and joint prevention and control system for infectious diseases, developing auxiliary projects for the installation of equipment in the server room; acquisition of software and hardware equipment	Technical Assistance/ Equipment Procurement	Provincial Development and Reform Commission, Provincial Health Commission, Provincial Department of Ecology and Environment, Provincial Department of Agriculture and Rural Affairs, Provincial Market Supervision Authority, Provincial Forestry Bureau, Haikou Customs	1300.00
	1.3 Building human, animal and environmental monitoring systems 1.3.1 Construction of human, animal and environmental monitoring system - construction of terrestrial wildlife epidemic disease monitoring system: Construct 10 terrestrial wildlife epidemic disease monitoring stations, including 5 at the national level and 5 at the provincial level, each with a construction area of 300 square meters, for a total	Technical Assistance/ Capacity Building/ Equipment Procurement/ Civil Construction Activities	Provincial Forestry Bureau, Provincial Health Commission, Provincial Department of Agriculture and Rural Affairs, Haikou Customs, Provincial Department of Ecology and Environment	2704.58

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	<p>of 3,000 square meters; construct a terrestrial wildlife epidemic disease monitoring system in Hainan Province; carry out terrestrial wildlife epidemic source and disease monitoring and epidemiological investigation and research; purchase relevant office equipment; carry out terrestrial wildlife epidemic source and disease monitoring technical personnel training</p> <p>1.3.2 Construction of human, animal and environmental monitoring systems – construction of an integrated food safety monitoring system: develop and introduce a comprehensive working system for food safety risk monitoring; establish an integrated information system for food safety risk monitoring</p> <p>1.3.3 Construction of a human, animal and environmental monitoring system – construction of a One Health drug resistance monitoring system (human-animal-environment integrated monitoring network): carry out monitoring and epidemiological investigation of diseases and drug-resistant bacteria and drug-resistant genes in humans/animals; purchase experimental equipment such as Matrix-Assisted Laser Desorption/ Ionization Time of Flight Mass Spectrometry (MALDI-TOF-MS)</p>			

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	<p>1.3.4 Construction of an One Health water ecological environment monitoring system (comprehensive monitoring network for waterborne diseases and micro-ecological environment): construct an One Health water ecological environment monitoring system; purchase One Health water ecological environment monitoring instruments and equipment</p> <p>1.3.5 Construction of a human, animal and environmental monitoring system – Construction of a risk monitoring system for animal diseases and zoonoses: Renovate and upgrade city, county and township monitoring sites; purchase instruments, equipment, reagents and consumables for city, county and township monitoring sites</p> <p>1.3.6 Construction of a human, animal and environmental monitoring system – Establishment and improvement of epidemic and tropical disease risk monitoring system: purchase virus gene sequencing detection equipment; carry out field epidemiological investigation and laboratory technical personnel team building</p> <p>1.3.7 Construction of a human, animal and environmental monitoring system – Construction of a port biosecurity risk monitoring system (overseas and domestic): carry out construction planning for</p>			

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	<p>upgrading biosecurity risk monitoring points at Hainan's frontier ports; conduct research and training on port biosecurity risk monitoring; purchase monitoring equipment to be used at each monitoring point</p>			
	<p>1.4 Laboratory renovation and capacity enhancement in related fields</p> <p>1.4.1 CDC laboratory upgrading and capacity enhancement: carry out research on the capacity enhancement needs of city and county CDCs and the status of testing projects; upgrade provincial, city and county CDCs' laboratory detection hardware and purchase detection and testing equipment; carry out laboratory technical personnel team building</p> <p>1.4.2 Upgrading and capacity enhancement of animal disease control laboratories: renovating provincial veterinary laboratories; purchasing animal disease detection equipment for provincial veterinary laboratories</p> <p>1.4.3 Food safety laboratory upgrading and capacity enhancement: renovating provincial agricultural product quality and safety detection laboratories; upgrading aquatic product detection laboratories and purchasing precision detection instruments and equipment for agricultural product</p>	<p>Technical Assistance/ Capacity Building/ Equipment Procurement</p>	<p>Provincial Health Commission, Provincial Market Supervision Authority, Provincial Department of Agriculture and Rural Affairs, Haikou Customs, Provincial Forestry Bureau, Provincial Department of Ecology and Environment</p>	<p>2687.19</p>

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	<p>quality and safety</p> <p>1.4.4 Customs port quarantine inspection laboratory upgrading and capacity enhancement: carry out Hainan border port inspection and quarantine primary screening laboratory upgrading; develop Hainan border port inspection and quarantine primary screening laboratory construction standards; purchase port inspection and quarantine primary screening laboratory equipment required, including real-time fluorescence PCR, three-dimensional stereomicroscope, scanning electron microscope, microbial identification system and other instruments and equipment</p> <p>1.4.5 Forestry terrestrial wildlife epidemic disease monitoring laboratory upgrading renovation and capacity enhancement: purchase PCR instrument, protective clothing, field sampling and sample conservation equipment, GPS instrument, sterilization pot, dissection table and other equipment</p> <p>1.4.6 Upgrading and capacity enhancement of ecological and environmental protection laboratories: renovation of provincial ecological and environmental protection laboratories; purchase of inspection and detection equipment; technical</p>			

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	laboratory personnel team building			
Sub-project 2: Establish and improve prevention and control plans for key zoonoses and other emerging health threats	2.1 Antibiotic Reduction Action 2.1.1 Soil antibiotic reduction action: using organic fertilizer as a connection point, carry out monitoring of antimicrobial drug residues in farm wastewater, excreta and organic fertilizer at demonstration sites, and assess the risk of carrying zoonoses in organic fertilizer 2.1.2 Antibiotic reduction action for livestock and aquaculture	Technical Assistance/ Equipment procurement	Provincial Department of Agriculture and Rural Affairs	1000.57
	2.2 Research and application of One Health strategies for the prevention and control of highly prevalent zoonoses (carrying out integrated prevention and control programmes for major zoonoses): carry out monitoring and epidemiological investigation of brucellosis and bovine tuberculosis; build mobile detection stations for animal diseases and purchase detection instruments and equipment such as sampling vehicles for animal disease surveillance	Technical Assistance/ Equipment procurement	Provincial Department of Agriculture and Rural Affairs, Provincial Health Commission	708.22
	2.3 Research and application of One Health technologies for the prevention and control of infectious diseases in the context of free trade port construction: carry out research on transmission characteristics, optimize rapid pathogen detection	Technical Assistance/ Capacity Building/ Equipment procurement	Provincial Health Commission	509.92

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	techniques, conduct risk interventions for key populations, and quantify the evaluation of intervention effects; purchase detection reagents and equipment, including microscopes, dissecting microscopes, and rapid diagnostic test strips (RDTs) for malaria; carry out imported malaria monitoring and emergency response technology personnel team building and training, etc.			
	2.4 Research and application of vaccine-preventable diseases in the context of free trade port construction: carry out detection of serological antibody levels in healthy populations and screening for high-risk factors in hepatitis E positive children, etc. to provide technical support for the vaccine immunization strategy of the free trade port	Technical Assistance/ Equipment procurement	Provincial Health Commission	524.08
	2.5 Research on integrated disposal and dispatching system for public health emergencies: Forming integrated prevention and control teams for outbreaks of infectious diseases and other public health emergencies, and expert teams for risk assessment of infectious diseases outbreaks and other public health emergencies; purchasing vehicles and equipment for health emergencies and emergency supplies for the CDC system	Technical Assistance/ Capacity Building/ Equipment procurement	Provincial Development and Reform Commission, Provincial Health Commission, Provincial Emergency Management Department	150.00
	2.6 "Healthy Markets" pilot action: carry out disease monitoring and epidemiological investigation of	Technical Assistance/	Provincial Department of Commerce, Provincial Market Supervision Authority,	600.00

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	wild/farmed animals, etc.; upgrade and renovate farmers' markets, have proper division of wet and dry zones in farmers' markets; purchase sampling vehicles for aquatic disease monitoring, special vehicle purchase and modification and taxes, sample collection boxes, refrigeration equipment, benchtop centrifuges, nucleic acid extractors, water baths, testing instruments and equipment	Equipment procurement	Provincial Health Commission, Provincial Department of Agriculture and Rural Affairs	
	2.7 Biosafety ports (customs port construction): carry out biosafety port construction planning, etc. at Yangpu Port and Haikou Meilan Airport Port; purchase equipment required to promote biosafety port construction	Technical Assistance/ Equipment procurement	Haikou Customs	879.33
	2.8 Comprehensive One Health management demonstration community construction (urban): conduct school sanitation, drinking water and food hygiene investigations, establish a school syndrome monitoring software system; conduct community epidemiological diagnosis and population health impact assessment; establish a "One Health" education and demonstration community base	Technical Assistance/ Equipment procurement	Provincial Development and Reform Commission, Provincial Health Commission, Provincial Department of Ecology and Environment, Provincial Department of Agriculture and Rural Affairs, Provincial Market Supervision Authority, Provincial Forestry Bureau, Haikou City, Sanya City, Baoting County	1000.52
	2.9 Construction of integrated One Health management demonstration administrative villages/towns (rural): conduct epidemiological diagnosis and interventions in village schools and	Technical Assistance/ Equipment procurement/ Civil Construction	Provincial Development and Reform Commission, Provincial Health Commission, Provincial Department of Ecology and Environment, Provincial Department of	1100.52

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	communities; carry out "One Health" project management of domestic wastewater, rubbish and impermeable toilets in villages and townships, and establish integrated "One Health" education, demonstration and rural revitalization bases	Activities	Agriculture and Rural Affairs, Provincial Market Supervision Authority, Provincial Forestry Bureau, Dongfang City	
	2.10 Construction of a One Health simulation training and exercise base: establish a virtual simulation capsule for emergency response to a novel coronavirus pneumonia outbreak and purchase equipment for the simulation training base	Technical Assistance/ Equipment procurement	Provincial Development and Reform Commission, Provincial Health Commission, Provincial Department of Ecology and Environment, Provincial Department of Agriculture and Rural Affairs, Provincial Forestry Bureau, Provincial Market Supervision Authority, Provincial Department of Commerce, Haikou Customs	1000.00
	2.11 Establishment of a catalogue of key technologies, products and standards for One Health: open call for more advanced, mature and less costly key technologies and products for One Health; establishment of a catalogue of standards for One Health	Technical Assistance/ Equipment procurement	Provincial Development and Reform Commission	381.66
Sub-project 3: System and qualified personnel development	3.1 Cross-sectoral coordination mechanism for One Health: establish a One Health cross-sectoral coordination mechanism in Hainan Province	Capacity Building	Provincial Development and Reform Commission	200.00
	3.2 Development, revision and improvement of One Health related laws and regulations 3.2.1 Formulation of Hainan Free Trade Port	Technical Assistance	Provincial Drug Administration, Provincial Department of Agriculture and Rural Affairs, Provincial Forestry Bureau, Provincial Health Commission, Provincial Department	275.00

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	<p>antibacterial drug management regulations project</p> <p>3.2.2 Revision of the regulations on the management of specified animal disease free zones in Hainan Province</p> <p>3.2.3 Development of operational guidelines for the specimens collection and preservation of terrestrial wildlife epidemic disease monitoring in Hainan</p> <p>3.2.4 Development of rules and regulations for the prevention and control of infectious diseases specific to Hainan's free trade port</p> <p>3.2.5 Formulation of regulations and operational management methods for the research and development, promotion and vaccination of vaccines for early and pilot implementation in Hainan's free trade port</p> <p>3.2.6 Develop a system for handling and responding to public health emergencies that may arise under the independent customs operation of the Hainan Free Trade Port</p> <p>3.2.7 Development and creation of local standards and systems related to public health and safety in the context of Free Trade Port</p> <p>3.2.8 Development of a system of local and imported food safety standards related to food</p>		<p>of Ecology and Environment, Provincial Development and Reform Commission</p>	

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	<p>materials under the independent customs operation of the Hainan Free Trade Port</p> <p>3.2.9 Revision of institutional standards related to One Health ecological environment field</p> <p>3.2.10 Development of comprehensive One Health legal regulations (1-2)</p>			
	<p>3.3 Establishment and development of One Health research institute</p> <p>3.3.1 Establishment of Hainan One Health International Research Institute; purchase instruments and equipment</p> <p>3.3.2 Construction of One Health Key Laboratory: conduct preliminary design and other consulting services; build One Health Key Laboratory, mainly researching infectious disease prevention and control technology, government governance system and economic evaluation, etc.</p>	<p>Technical Assistance/ Capacity Building/ Equipment Procurement/ Civil Construction Activities</p>	<p>Provincial Development and Reform Commission (Provincial Department of Science and Technology, Hainan University, Hainan Medical University, etc.)</p>	<p>800.00</p>
	<p>3.4 One Health international and domestic cooperation and academic exchanges</p> <p>3.4.1 Establishment of One Health promotion platform: One Health logo design; WeChat official accounts and website development and operation</p> <p>3.4.2 Launch of One Health journals and magazines</p>	<p>Capacity Building/ Equipment Procurement</p>	<p>Provincial Development and Reform Commission, Provincial Department of Agriculture and Rural Affairs, Provincial Forestry Bureau, Provincial Health Commission, Provincial Department of Ecology and Environment, Haikou Customs</p>	<p>710.00</p>

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	<p>3.4.3 Hosted international and domestic conferences such as sub-forums on One Health at the Boao Forum</p> <p>3.4.4 Carry out popularization of One Health concept and international and domestic cooperation and exchange activities</p>			
	<p>3.5 Research and application of economic evaluation techniques for One Health projects: carry out research on economic evaluation techniques for One Health projects, incorporate health evaluation into the core indicators of economic operation and management, and apply the research results to economic management</p>	<p>Technical Assistance</p>	<p>Provincial Development and Reform Commission</p>	<p>100.00</p>
	<p>3.6 Research and application of One Health assessment system: build a One Health assessment index system, carry out empirical research on One Health assessment system, support the completion of all project effectiveness evaluation, etc.</p>	<p>Technical Assistance</p>	<p>Provincial Development and Reform Commission</p>	<p>100.00</p>
	<p>3.7 One Health training</p> <p>3.7.1 One Health governance capacity training for key relevant government departments</p> <p>3.7.2 One Health seed talent training (One Health discipline building and seed talent training)</p>	<p>Capacity Building</p>	<p>Provincial Development and Reform Commission, Provincial Health Commission, Provincial Department of Agriculture and Rural Affairs, Provincial Forestry Bureau, Provincial Department of Ecology and Environment, Haikou Customs</p>	<p>1378.74</p>

Project Components	Project Content	Project Category	Implementation Unit	Project Investment
	programme) 3.7.3 On-the-job training of key practitioners on One Health knowledge and skills			
Sub-project 4: Project management, supervision and evaluation	4.1 Project Management	Capacity Building	WB Hainan Provincial Project Office	685.55
	4.2 Supervision and Evaluation	Capacity Building	WB Hainan Provincial Project Office	332.44
	4.3 Pre-project management	Capacity Building	WB Hainan Provincial Project Office	50.00
	4.4 Project preparation costs	Capacity Building	WB Hainan Provincial Project Office	708.21

1.2 Objectives

According to the Bank's Environmental and Social Framework (ESF), and ESS10— Stakeholder Engagement and Information Disclosure, stakeholder engagement is an inclusive process that runs through the project lifecycle. Its proper design and implementation are critical to successful E&S risk management.

The main objectives of stakeholder engagement include (but not limited to):

- Establishing a systematic stakeholder engagement approach to help the PIUs identify stakeholders, and establish and maintain constructive relationships with them, especially project-affected parties;
- Reporting project information to stakeholders, especially the project purpose, nature, size and duration, potential impacts and mitigation measures;
- Identifying issues, needs, grievances and redress of stakeholders, and considering their opinions in project design and E&S management;
- Acquiring stakeholder feedback on project impacts (especially E&S impacts) and mitigation measures;
- Reporting grievance redress back to communities; and
- Fully considering stakeholders' expectations during decision-making and implementation to avoid and solve potential conflicts.

2 Brief Summary of Past Stakeholder Engagement Activities

2.1 Information Disclosure Activities Completed at the Preparation Stage

At the preparation stage, the WB Hainan PMO, HPDRC, PIUs and government departments concerned (e.g., health commissions, market regulation bureaus) conducted a series of information disclosure activities and public service activities on the "one health" system, including:

- Policies on emerging infectious disease prevention, preparation, and response
- "One health" concept and practical significance
- Disclosure of food sampling inspection information
- Project information, including the objectives, proposed content, implementation arrangements, etc. The completed information disclosure so far, see Table 2-1.

On Jul 18, 2023, the WB Hainan Project Office made a public announcement on the website of HPDRC (URL <http://plan.hainan.gov.cn/sfgw/0400/202307/25451e60cd6a49eba731bbb0ba79a156.shtml>) on the environmental and social documents prepared during the project preparation phase (including the Environmental and Social Management Framework, Stakeholder Engagement Plan)" for Website disclosure.

索引号: 00817382-X/2023-72227	主题分类:
发文机关: 省发展和改革委员会	成文日期: 2023-07-18 09:35
标题: 世界银行贷款预防、准备与应对新发传染病项目海南省项目《环境与社会管理框架》《利益相关者参与计划》文件公示	
文号:	发布日期: 2023-07-18 09:35
时效性: 有效	

世界银行贷款预防、准备与应对新发传染病项目海南省项目《环境与社会管理框架》《利益相关者参与计划》文件公示

按照世界银行项目实施的要求，海南省发展和改革委员会根据《海南省发展和改革委员会采购管理暂行办法（2020年修订）》的规定，依据世界银行采购规则对世界银行贷款预防、准备与应对新发传染病项目的环境与社会管理框架咨询服务子项目进行了招标采购。采购结果分别为环境管理框架报告由同济大学陆志远教授团队实施编制，社会管理框架报告由河海大学的陈绍军教授团队实施编制。

在世行海南项目办和各实施机构项目办的协助下，中标团队协同合作编制完成了《环境与社会管理框架》（详见附件1）《利益相关者参与计划》（详见附件2）。依据世界银行信息公开政策和世界银行环境与社会安全保障政策的要求，现将该项目的环境与社会管理框架、利益相关者参与计划文件进行公示如下：

Figure 2-1 Website disclosure Of Environmental and Social Documents

Table 2-1 Past Information Disclosure Activities

Time	Venue	Stakeholders / participants	Topic	Mode
2019-2021	Hainan provincial market regulation bureau	Hainan provincial market regulation bureau	Disclosing food sampling inspection information https://amr.hainan.gov.cn/	Website disclosure
2019.07	Qiongsan District, Haikou City	Qiongsan District Health Commission, community residents	Disseminating knowledge on the prevention and treatment of infectious diseases in summer to nearby residents	Publicity on disease prevention and control
2020.03.02	Hainan Provincial People's Government	Hainan Provincial People's Government, Municipal, County, Autonomous County and People's Government	The notice of the "Implementation Plan for Healthy Hainan Action" https://www.hainan.gov.cn/hainan/szfwj/202003/62841bf944b845a5861462d6e709e34d.shtml	Website disclosure, government documents
2020.06	Haikou City	Haikou Municipal Market Regulation Bureau, drug retailers, community residents	Issuing the drug operation license (retail) announcement	Website disclosure
2020.08	Project communities	Community residents, Haikou Municipal Market Regulation Bureau	Disseminating scientific knowledge on drug safety to improve the public awareness of drug safety	Podium, display board, brochure, on-site consulting, and science video
2020.09	Hainan Province	Media platforms, community residents	Communicating the "one health" concept	Hainan Daily
2020.11	Xiuying District, Haikou City	Community residents	Disseminating health knowledge online	WeChat public account, Weibo, government website
2020.12	HPDRC	Community residents, SIA and EIA agencies	Disclosing government procurement information on the Project	Website disclosure

			http://plan.hainan.gov.cn/sfgw/0400/202012/ed6dd8ea4b864255a43dcfe2eca02cfe.shtml	
2021.02.01	Hainan Provincial People's Government official website	The fourth meeting of the 6th People's Congress of Hainan Province	2021 Hainan Provincial Government Work Report Project Announcement	Website disclosure
2021.03.10	Hainan Provincial Center for Disease Control and Prevention	Hainan Provincial Center for Disease Control and Prevention, Hainan Daily	"One Health" Hainan Demonstration Project advantages, problems analysis, the popularization of one health concept	Website disclosure, news reports
2021.04.19	Boao Forum for Asia 2021 Annual Meeting	Hainan Provincial People's Government and Institute for Global Health and Development of Peking University		Website disclosure
2021.05.19	Hainan Provincial People's Government official website	Health Expert, Hainan Daily	Analysis of the concept of "One health" and the significance of Hainan's implementation	Website disclosure, news reports
2022.03.27	Hainan Provincial Center for Disease Control and Prevention	Hainan Provincial Center for Disease Control and Prevention, Hainan Daily	Promote the "One health" concept	News report
2022.04.29	The Eighth Provincial Party Congress of the CPC "The Party Representative Round Table"	Provincial Health Commission, Hainan Boao Le City International Medical Tourism Pioneer District Management Bureau, Hainan University, Hainan Medical College	"One Health" Hainan Demonstration Project popularization and outlook https://www.hainan.gov.cn/hainan/hnsdbcddh/2022hndbjddh.shtml	Website disclosure, news reports
2022.05.31	National Public Resources Trading Platform (Hainan Province)	Sanya Yazhou Bay Science and Technology City Administration and Sanya Yazhou Bay Science and Technology City Development and Construction Co., Ltd	Hainan One Health (Veterinary Public Health) Research Center Construction Project Design and Engineering Procurement Construction (EPC) Bidding Announcement	Website disclosure
2022.09.30	Sixth Hainan International Health Industry Expo Press Conference	National Institute of Parasitic Disease of China Center for Disease Control and Prevention, People's Daily Online	One health concept and the popularization of its new measures in Hainan Province	Website disclosure, news reports
2023.01.18	Hainan Provincial People's	The first meeting of the 7th People's Congress of Hainan Province	The starting formula of the Hainan Provincial	Website disclosure

	Government official website		Government Work Report Project in 2023	
2023.07	HPDRC	WB Hainan Provincial Project Office, consulting team, the public, etc.	World Bank Loan Preventive Preparedness and Response to Emerging Infectious Diseases Project ESMF and SEP Documentation Public Notice	Website disclosure

Source: WB Hainan Provincial Project Office and government official website

2.2 Consultation Activities Completed at the Preparation Stage

According to the characteristics and potential E&S impacts of the sub-projects, the WB Hainan PMO has screened and identified potential stakeholders preliminarily. In March-April 2021 and November 2022, the Hainan PMO organized a series of stakeholder FGDs and consultation activities based on preliminary screening, involving the following agencies and staff:

- Government agencies concerned, including the HPDRC, health commission, provincial ecology and environment department, provincial market regulation bureau, provincial agriculture and rural affairs department, forestry bureau, Haikou Customs, etc.;
- Public medical institutions at different levels
- Pilot agricultural markets
- Pilot nature reserves
- Waste transfer stations
- Community committees
- Community residents
- Minorities and other vulnerable groups

The public participation process is as follows:

- The Hainan PMO introduces the objectives and scope of the Project;
- The Hainan PMO introduces the E&S research purpose of the Project, the Bank's engagement and its E&S policy requirements;
- The Hainan PMO communicates with government departments concerned to acquire baseline E&S data and information;
- Participants give opinions on the Project freely.

Based on FGDs and key informant interviews, the main results are as follows:

- All participants recognize the value of the Project, and highly support the concept and practice of "one health"; some agencies think that there are still some unclear points in the "one health" concept and implementation procedure, a clear division of labor is needed based on the scope, and all parties should communicate and cooperate more effectively, and implement the Project under unified planning.
- The project activities should be improved continually to be more enforceable and sustainable. For example, a further investigation should be conducted on how to attract and retain talents in talent training activities; medical institutions in Hainan Province are still short of talents and skills, and CDCs have an urgent need to upgrade their equipment.
- Primary-level staff still has many questions about the Project, such as fund use and staffing; exact needs and work plans of primary organizations have been further collected

and clarified, and potential E&S risks and solutions of the sub-projects have been further identified, etc.

- The Township Health Center and the Community Health Service Center are mainly facing the problem of lack of talents and technology. The problem of "difficulties of staff acquisition and retainment" needs to be solved. It still lacks effective incentive mechanisms, and it is hoped that through increasing the training of talents under this project, the staff's ability to prevent infectious diseases will be improved;
- At the preparation stage, meaningful consultation should be conducted with all stakeholders to optimize the project design, and minimize community impacts during the implementation. In the whole project lifecycle, particular attention should be paid to inclusive arrangements for vulnerable groups (e.g., the old people in the communities, infectious disease patients, left-behind children, minorities, and low-income residents). For example, whether the implementation of the antibiotic restriction policy will affect the income of low-income residents and minority residents, and infectious disease patients who rely strongly on antibiotic drugs. Compensation and supporting measures should be taken for affected vulnerable groups.
- In community GRM design, community committees as a channel accepted by community residents should be fully utilized.
- Meaningful consultation should be conducted with all stakeholders during policy research to avoid or mitigate downstream E&S risks and impacts. See Table 2-2 the past consultation activities.

Table 2-2 Past Consultation Activities

Date	Venue	Stakeholders	Topic	Methods	Results
2019.08 -09	Chengmai County Sanya City Wuzhishan City Lingshui City Danzhou City	Primary medical institutions Waste transfer stations PMO EIA agency	Environmental management capacity of organizations, and environmental management awareness of primary-level staff Management process of medical waste	In-depth interview Questionnaire survey	<ol style="list-style-type: none"> 1. Medical radiation risks are low because physicians have strong safety protection awareness and physical protection is comprehensive. 2. Primary medical institutions in Hainan Province have good infrastructure for medical waste disposal, including barrels, storage rooms, and collection, transfer and treatment units. 3. For medical wastewater, relevant facilities are missing or management is unsound at township hospitals mainly; awareness is weak, and there is no strict supervision mechanism. The medical waste storage rooms are not standard. The medical wastes are stored for too long, etc.
2019.08 -09	Xiangshui Township Hekou Village Maojian Village Sanya Bay Community Binya Community	Hainan provincial government agencies concerned Public medical institutions Community residents Poor residents Women Minority residents Floating population	Stakeholders' opinions about and attitudes to the Project Current development of township and community health centers Medical care services for community residents Status of minority residents	FGD Key informant interview	<ol style="list-style-type: none"> 1. All stakeholders support the Project, and are willing to support project preparation and implementation. 2. Township and community health centers are faced with talent and skill shortage, and have difficulties in attracting and retaining talents due to the lack of an effective incentive mechanism. The Project is expected to strengthen talent training to improve the capacity of infectious disease prevention. 3. Due to the implementation of targeted poverty alleviation program, the difficulty of poor residents in receiving medical care services has been largely solved. 4. There is medical superstition among minority residents for the Li and Miao folk medicine. 5. Migratory population, especially the permanent migratory residents, have relatively high needs for local public service and medical services, and hope to have access to quality medical service due to long-term residence in Hainan local communities. The local medical services need to be improved during the implementation of the Project, especially for the elderly group above 50 years of age. 6. For areas with a concentration of NCD elderly patients and migratory population, the one health project can be built on various platforms (such as websites, public accounts, instant messaging groups). A menu mechanism matching needs and service can be established, so that frequent antibiotic users, patients with chronic diseases and migratory groups with other needs can have access to public services.

2020.03	Haikou	Chinese Academy of Sciences Hainan provincial government agencies concerned China Medical Board	Study incorporating the “one health” concept into the strengthening of the health-centric medical service system	Seminar	The attendees discussed incorporating the “one health” concept into the Bank’s project, strengthening the building of disease prevention and control system, and establishing an international one health research institute in Hainan.
2020.03.28	Online meeting	Beijing Union Medical College School of Public Health of Fudan University, Hainan Medical College	Explore the healthy Hainan action from “One health” perspective	Seminar	Experts believe that Hainan is a "One health" test site. It is necessary to start from the aspects of strong primary level, focus on talents, and education to promote Hainan's "coconut tree spirit" and "special zone spirit", and then promote and use the concept of one health, so as to establish " One health "system.
2020.08.28	Hainan Provincial Department of Agriculture and Rural Affairs	Provincial Department of Agriculture and Rural Affairs, IBRD, Provincial Plant Protection Station, Provincial Early Warning Center, Wenchang Municipal Bureau of Agriculture and Rural Affairs, etc.	Discussion and touch base of the active implementation of the World Bank One Health Project	FGD	1. FGD on implementation methods, standards, and plan for the "One health" project. Experts of the agricultural projects of IBRD proposed opinions and suggestions. 2. Relevant units and leaders of the provincial department of agriculture and rural affairs participating in the "One health" project further clarified the division of responsibilities, work ideas, project planning direction and specific content, and deepened the understanding of the concept of "one health" 3. Next, the participating units of the project will combine the opinions of experts from the IBRD to do a good job in adjusting the project content, refine the calculation of funds, improve the technical content of the collaboration of the project across departments, and make good preliminary preparations for the project implementation.
2020.12	Haikou	Institute for Internet Behavior, Tsinghua University Government agencies concerned of Haikou City	Discussion on how to build a resilient healthy Haikou, and how to carry out one health trials in Haikou	Seminar	Haikou City may draw on smart medical care patterns in Beijing and other places, and establish a residents’ health-centric medical service system and integrate regional health care service institutions by improving smart health infrastructure and developing “Internet+ medical care”
2020.12.14-15	Shanghai	HPDRC, Shanghai Jiaotong University-University of Edinburgh One Health Center, Shanghai Jiaotong University, etc.	Participants conducted discussions on the areas of multi-disciplinary cooperation, behavioral economic practice, health and government governance, zoonosis prevention and control, environmental governance, breeding industry and food	Expert meeting	Political awareness has been raised, theoretical foundation has been laid, and thoughts have been widened for a more efficient government governance model for the implementation of one health project in Hainan.

			safety, resistance in zoonotic bacteria, AMR, etc.		
2021.01	Hainan Province	Hainan provincial government agencies concerned SIA, EIA, and other consulting and design agencies	In-depth discussion on the specific project implementation plan	Online meeting	<ol style="list-style-type: none"> 1. The duties of different agencies in the Project were clarified. 2. Uncertain items in the sub-projects were further discussed, and clear arrangements made for subsequent work. 3. Stakeholders were identified preliminarily.
2021.04	Haikou	SIA and EIA agencies Vegetable Basket Jiangnan Agricultural Wholesale Market in Haikou Dongzhaigang Nature Reserve Authority	Discussing the implementation of the Project at primary level organizations	FGD Field visit	<ol style="list-style-type: none"> 1. The primary level staff had many questions about the Project, such as fund use and staffing. 2. Urgent needs and work plans of primary organizations were further defined, with discussion on how to ensure the feasibility of project activities. 3. Potential E&S risks and mitigation measures of the sub-projects were further identified.
2021.03 -04	Haikou	HPDRC (PMO) and provincial government agencies concerned Technical experts EIA agency	Discussing project activities, implementation arrangements, working plans, staffing, etc.	FGD	<ol style="list-style-type: none"> 1. The technical experts assisted the PIUs in further studying the feasibility of project activities, and upgraded project activities that could hardly be implemented, thus improving the practicality of activities. 2. The work progress of all agencies was defined, and subsequent implementation arrangements made. 3. The feasibility study report and operation handbook will be further revised.
2021.11.03	Hainan University	Hainan University One Health Team, China Disease Prevention and Control Center	Discussing the background, connotation, development history, policy formulation, platform construction, and implementation of concept	online meetings forums	<ol style="list-style-type: none"> 1. The popularization of the one health concept being the unification of human health, animal health and environmental health into a healthy whole 2. Sharing the practice of one health concepts in zoonoses and one health economic analysis cases 3. Recognition of the development of the one health discipline group, suggestions on putting in place a platform for the implementation of the concept were proposed.
2022.09.04	Hainan Free Trade Port	The One Health Science Expedition Team, Hainan Free Trade Port Demonstration Town Residents	Increase the publicity of the one health concept, promote the harmonious coexistence between people and nature, and strengthen one health protection and supervision	Field visit	<ol style="list-style-type: none"> 1. Orderly publicity campaign for people of all walks of life through the "one health" education network system and the production of various publicity materials, and answer residents' questions via hotline telephone. Publicity of the "one health" concept through various forms such as bulletin board, science education comics and blackboard newspaper. "One health"

					<p>education and technology training activities for key groups such as aquaculture farmers</p> <p>2. Putting the protection of the interests of residents and villagers first, and focus on solving the problems of rural ecological environment and the governance</p> <p>3. Establishment and improvement of the construction, operation management, service and other systems of "one health" towns, and putting in place capital guarantee measures, while clarifying responsibility and execution body, by using the World Bank loan, government supporting funds, and market-oriented operation models. In addition, the comprehensive use of specific indicators such as inspection, assessment, reward and punishment to implement dynamic supervision, management and acceptance inspection of the "one health" demonstration town.</p>
2022.11.14	HPDRC	HPDRC, the World Bank Expert Group, the Provincial Department of Finance, the Provincial Health Committee, the Provincial Department of Ecology and Environment, etc.	Promote the development of "one health" Hainan demonstration project	Online meeting	<p>1. HPDRC introduced the content and overall progress of the "One Health" Hainan Demonstration Project. Relevant agencies reported to the World Bank expert group in detail the content of the project development. Both sides have had in-depth discussion on the development direction and potential problems during the implementation of the project.</p> <p>2. The expert group gave recognition to the projects such as "One Health Comprehensive Governance Demonstration Community, One Health Comprehensive Governance Demonstration Administrative Village", regarding it as the comprehensive practice of promoting "one health" concept with demonstration application scenarios.</p> <p>3. The expert group of the World Bank spoke highly of the content design and progress of Hainan "One Health" demonstration project.</p> <p>4. The HPDRC will accelerate the refining of the project content, do a good job in formulating the implementation plan for the 2023 early launch project, and ensure that the project will be implemented as soon as possible.</p>
2023.04.09-14	Haikou	HPDRC and relevant departments and bureaus, World Bank expert group	Discussion about the overall progress of the project and work plan	FGD Field visit	<p>1. Further improved the feasibility of project activities</p> <p>2. Touch base the plan for the following project activities arrangement</p> <p>3. Discussed and further clarified the preparation of Operation Manual and ESMF</p>

2023.04.25	Online meeting	HPDRC and relevant departments and bureaus, World Bank expert group SIA, EIA, etc	Discussion about the social environment framework manual modification	Online meeting	<p>1. Improvement and revision of the ESMF according to the adjustment of the project activities.</p> <p>2. Clarified the civil construction in the monitoring system of terrestrial wildlife epidemic disease under sub-project of 1.3.1. The civil construction of the monitoring station includes the upgrading of existing facilities, the construction of state-owned land, the demolition of dangerous houses, and the transfer of state-owned land, all of which do not involve compensation for land acquisition. However, some wasteland will be compensated for young crops according to the policy compensation standard because local residents farm in their leisure time.</p> <p>3. In the management station of the nature reserve, experts proposed to sort out the categories of animals killed (whether the poultry is ill or domesticated), and consider formulating the compensation mechanism, but due to many factors, it's difficult to implement the compensation mechanism. The Provincial Department of Agriculture and Rural Affairs will further track the impact of poultry on the residents, identify stakeholders, and have full participation and consultation, so as to protect the interests of poultry farmers.</p>
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Source: WB Hainan Provincial Project Office and information platform

The stakeholder engagement plan indicates the stakeholder engagement plan throughout the life of the project, includes participation activities and findings that have been completed in the project preparation phase, as well as plans for stakeholder engagement during project implementation. During the preparation of project, various stakeholders were consulted, and their feedbacks and comments were taken into account in the project design (comments details see section 2.2).

3 Stakeholder Identification and Analysis

According to ESS10 and the Project's characteristics, the Project's stakeholders include: 1) project-affected parties, 2) other interested parties, and 3) vulnerable groups¹.

1) Project-affected parties: individuals or groups affected or potentially affected by the Project, including those affected directly and indirectly

2) Other interested parties: individuals or groups that may have an interest in the Project Hainan "One Health" Project intends to include a series of complex proposed activities, including risk assessment of zoonoses and other emerging infectious diseases in Hainan Province, the improvement of the provincial system and mechanism based the one health concept, talent training, and whole-process project management and M&E.

According to the characteristics and potential E&S impacts of the sub-projects, the WB Hainan PMO has screened and identified potential stakeholders preliminarily, as shown in **Appendix 1**. An overview of stakeholders is as follows:

3.1 Project-affected Parties

Project-affected parties include community residents, antibiotic pharmaceutical companies, stockbreeding companies or large-scale breeders, animal and plant inspection and quarantine workers, wild animal protection and testing workers, healthy market transport, vendors and disinfection workers, key laboratory researchers, quarantine center security guards, public medical institution workers, boarder control agents, international transport workers, urban waste collection and treatment workers, etc. For component activities involving LAR, particular attention should be paid to needs and impacts of persons affected by LAR².

See Table 3-1.

¹Vulnerable groups refer to those more likely to be affected adversely during project preparation, implementation and operation due to personal vulnerabilities. The vulnerabilities in this project include gender, language, age, disability, etc. For example, the old people may be excluded from project services due to the inability to use smart devices, non-local people need to speak Mandarin in public participation, and special channel or facilities should be considered during the design and use for injured and disabled people.

²Since proposed monitoring stations and laboratories have not been finalized, the preliminary identification does not involve land acquisition and demolition. During the sub-project implementation, the impact of land acquisition and demolition will be further determined according to the detailed design .

Table 3-1 Identification and Analysis of Project-affected Parties

Type	Stakeholder	Impact by / on the Project
Project-affected parties	Human / animal / fishery antibiotic pharmaceutical companies	Massive antibiotic producers and emitters; accepting the “one health” concept, enhancing the all-round regulation of antibiotics, and controlling antibiotic abuse actively
	Stockbreeding companies or large-scale breeders	Massive antibiotic producers and emitters; improving the whole-process regulation of aquaculture to reduce viral infection
	Animal and plant inspection and quarantine workers	Changing the past workstyle; strengthening inspection and quarantine, improving the professionalism of staff, and improving management systems, as well as quarantine equipment
	Wild animal protection and testing workers	Comprehensive ban on eating wild animals clearly, cracking down on illegal wild animal trading severely, changing the past workstyle, and improving the capacity to prevent, treat and cope with infectious diseases
	Healthy market transport, vendors and disinfection workers	Establishing sounder industry management systems and standards; further improving the working environment, receiving scientific and normative system training; increasing income; and extending project pilot outcomes
	Key laboratory researchers	Improving facilities, equipment and the working environment, receiving rich scientific research resources and professional training, and extending project pilot outcomes
	Quarantine center security guards	Receiving more professional training, further improving work support, and reducing the probability of infection
	Public medical institution workers	Changing the past workstyle, improving medical proficiency and emergency response capacity, increasing training and education opportunities, and enhancing welfare
	Border control agents	Changing the past workstyle, and improving the capacity to prevent, treat and cope with infectious diseases during border control
	International transport workers	Changing the past workstyle, and improving the capacity to prevent, treat and cope with infectious diseases during international transport
	Urban waste collection and treatment workers	Changing the past workstyle, improving health guarantee during waste collection and treatment, and reducing the probability of infection
	Rural residents	Parties affected by the young crop compensation, antibiotic users and emitters; more normative use of pesticides, receiving better and more convenient public health services at the village level, and reducing the probability of infection
	Urban residents	Antibiotic users and emitters; receiving better and more convenient public health services at the community level, and reducing medical expenses and the probability of infection
	Communities potentially affected by LAR	The community economy as well as assets are affected, requiring sufficient compensation and proper resettlement
Households potentially affected by LAR	Loss of land revenue and impact of house relocation, requiring sufficient compensation and proper resettlement	

Source: E&S impact survey, interviews and consultation with agencies concerned

3.2 Other Interested Parties

Other interested parties include the PMO, PIUs, Hainan provincial and municipal governments, government agencies concerned, sub-district offices, community committees,

industry organizations, media (e.g., Hainan Daily, www.hinews.cn), design and consulting agencies, women’s federations. See Table 3-2.

Table 3-2 Identification and Analysis of Other Interested Parties

Type	Stakeholder	Impact by / on the Project
Other interested parties	WB Hainan PMO	Managing the Project on behalf of the Hainan Provincial Government, communicating with the Bank, and ensuring project implementation and operation
	HPDRC	Responsible for project initiation and approval, coordinating agencies, and preparing relevant plans and standards. Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
	Provincial market regulation bureau	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
	Provincial forestry bureau	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
	Provincial department of ecology and environment	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
	Provincial health commission	Preventing and treating infectious diseases in general, and giving education and training on public health emergencies
	Provincial big data bureau	Managing public data resources, and coordinating the integration, sharing, opening and application of public data resources
	Provincial medical products administration	Regulating drugs under the Project, and the whole process of circulation and use of antibiotics by drug retail enterprises
	Provincial department of agriculture and rural affairs	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
	Provincial department of commerce	Responsible for project organization, coordination, supervision and management, and ensuring that the “healthy market” pilot is implemented and the expected objectives are realized
	Haikou Customs	Responsible for project organization, coordination, supervision and management, preventing the cross-border spread of animal and plant epidemics, and strengthening animal and plant quarantine capacity building of ports
	Municipal governments	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
	Provincial department of justice	Assessing regulations and normative documents comprehensively, and formulating sound one health regulations suited to the Hainan free trade port as soon as possible
	Provincial department of transport	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
	Provincial department of emergency management	Punishing work safety violations, participating in the investigation of safety accidents, and handling grievances from the public
	Provincial department of education	Conducting one health education and one health literacy campaign, and offering education reform training on the “one health” concept
	Provincial department of science and technology	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
	Ethnic and religious affairs commissions	Protecting and managing the rights and interests of minority residents
	Provincial department of natural resources and planning	Approving land uses, including regulatory land planning for environmental sanitation facilities, preliminary construction land review, and site selection
	Human resources and	Protecting, managing and training on the rights and interests of workers and

	social security bureaus	poor residents
	Design and consulting agencies (e.g., FS and EIA agencies)	Learning needs of stakeholders to optimize the design
	Women's federations	Protecting and managing the rights and interests of local women
	Project consulting management agency	Assist the WB Hainan Provincial Project Office in carrying out whole-process management and technical support for the implementation of the Project in accordance with the requirements of the World Bank and the Chinese Government's loan agreement, project agreement and related policies and regulations
	"One Health" Expert Consultation Committee	Responsible for providing policy recommendations for the overall development of the "One health" of Hainan Province, and the committee is responsible for providing technical guidance and policy suggestions for the WB Hainan Provincial Project Office.
	Contractors	Notifying issues related to stakeholder engagement to the owner, working closely with the owner, handling grievances arising from construction under the direction of the owner, and preparing, disclosing and implementing various plans
	Local media	Conducting publicity and education on the "one health" concept, and pandemic and environmental risks, ensuring public awareness without any panic, and improving public opinion monitoring

Source: E&S impact survey, interviews and consultation with agencies concerned

3.3 Disadvantaged / Vulnerable Individuals or Groups

Vulnerable groups include old people, left-behind children, infectious disease patients, low-income residents, floating population, Rural minority population in advanced age, etc. See Table 3-3.

Table 3-3 Identification and Analysis of Vulnerable Groups

Type	Stakeholder	Role (Impact by / on the Project)
Vulnerable groups	Old people	Low immunity group, potential frequent users of antibiotics
	Left-behind children	Low immunity group, sensitive to antibiotics, short of supervision over drug use and infectious disease prevention
	Infectious disease patients	Low immunity group, relying heavily on drugs
	Low-income residents	Enjoying health poverty alleviation policies and preferential policies, benefiting equally without being excluded, and not affected in income by the antibiotic restriction policy
	Seasonal floating population	Reducing the probability of infection, receiving equal local public health services, reducing medical procedures and expenses, and improving health protection for seasonal tourists to Hainan
	Rural minority population in advanced age	Enjoying the same public health services as the Han people, benefiting equally and not be excluded because of not knowing Mandarin, and not affected in income by the antibiotic restriction policy

Source: E&S impact survey, interviews and consultation with agencies concerned

3.4 Summary of Project Stakeholder Needs

Different stakeholders' needs have been identified based on their different roles and impacts by means of FGD, key informant interview, questionnaire survey, etc., such as preferred language, preferred notification mode, potential special needs, and their needs for information disclosure and consultation at different stages.

For the approval of E&S (land use) documents and qualifications, ecology and environment bureaus, and land resources and planning bureaus should be consulted at least 3 months in advance to ensure successful project implementation. See Table 3-4.

Table 3-4 Summary of Stakeholder Needs

Type	Stakeholder	Language	Preferred mode of notification	Special need
Project-affected Parties	Human / animal / fishery antibiotic pharmaceutical companies	Mandarin	Official document, meeting notice, e-mail	Daytime interview
	Stockbreeding companies or large-scale breeders	Mandarin	Official document, meeting notice, e-mail	Daytime interview
	Animal and plant inspection and quarantine workers	Mandarin	Official document, meeting notice, e-mail	Daytime interview
	Wild animal protection and testing workers	Mandarin	Official document, meeting notice, e-mail	Daytime interview
	Healthy market transport, vendors and disinfection workers	Mandarin	Official document, meeting notice, e-mail	Daytime interview
	Key laboratory researchers	Mandarin	Official document, meeting notice, e-mail	Daytime interview
	Quarantine center security guards	Mandarin	Official document, meeting notice, e-mail	Daytime interview
	Public medical institution workers	Mandarin	Official document, meeting notice, e-mail	Daytime meeting
	Border control agents	Mandarin	Official document, meeting notice, e-mail	Daytime interview
	International transport workers	Mandarin	Official document, meeting notice, e-mail	Daytime meeting
	Urban waste collection and treatment workers	Mandarin	Official document, meeting notice, e-mail	Daytime meeting
	Rural residents	Mandarin/dialect	Village bulletin board, FGD	Daytime meeting
	Urban residents	Mandarin/dialect	Community bulletin board, FGD	
	Communities potentially affected by LAR	Mandarin	FGD, telephone	Daytime meeting
	Households potentially affected by LAR	Mandarin	FGD, telephone	Daytime meeting
Other interested parties	WB Hainan PMO	Mandarin	Official document, e-mail, FGD, telephone	Daytime meeting
	Provincial and municipal government agencies concerned	Mandarin	Official document, e-mail, FGD, telephone	Daytime meeting
	Design and consulting agencies (e.g., FS and EIA agencies)	Mandarin	Official document, e-mail, FGD, telephone	Daytime meeting
	Project consulting management agency	Mandarin	Official document, e-mail, FGD, telephone	Daytime meeting
	"One Health" Expert Consultation Committee	Mandarin	Official document, e-mail, FGD, telephone	Daytime meeting
	Women's federations	Mandarin	Official document, e-mail, FGD, telephone	Daytime meeting
	Contractors	Mandarin	Official document, e-mail, FGD, telephone	Daytime meeting

Source: E&S impact survey, interviews and consultation with agencies concerned

To ensure that vulnerable groups fully participate in the Project, and protect their interests, special attention was paid to their characteristics and needs during the E&S survey and public participation. See Table 3-5.

Table 3-5 Identification of Vulnerable Groups and Needs

Vulnerable groups	Key characteristics	Language	Preferred mode of participation	Special needs
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Old people	There are 1.4608 million old people (60 years or above), accounting for 15.5% of registered population. They have higher disease incidences and weak resistance.	Mandarin/ dialect	Community meeting Routine publicity by old age care stations	Daytime meeting
Left-behind children	There are 7,132 rural left-behind children in Hainan. They have poor physical resistance, weak protection awareness, and poor affordability, and are surrounded by many infection sources.	Mandarin/ dialect	Key informant interview FGD Door-to-door interview	Strengthening connections with guardians Strengthening cooperation with local schools
Infectious disease patients	In 2019, 36,324 cases of infectious diseases of Types A and B occurred in Hainan, up 5.3% year on year. The incidences of all infectious diseases were much higher than the national averages.	Mandarin/ dialect	FGD Key informant interview	Paying attention to the health and safety of respondents, avoiding sensitive questions, and protecting patient privacy
Low-income residents	There are about 150,000 low-income residents. Different subsidies are offered from place to place. They have relatively poor health and affordability.	Mandarin/ dialect	Community congress Community bulletin board Door-to-door interview	Holding meetings at weekends or in the evening where possible
Seasonal floating population	Hainan attracts a large nonlocal population for wintering for its tropical climate. The floating population is 1.3412 million. The migratory population is 844,700.	Mandarin	New media platform Public place bulletin board Key informant interview	Holding meetings at weekends or in the evening where possible
Rural minority population in advanced age	There is a high proportion of minority population in Hainan, with 53 minority residents, and a registered minority population of 1.6873 million. Minority areas are characterized by weak infrastructure and unbalanced primary health services. Some old minority residents are still unfamiliar with Mandarin.	Minority languages	FGD Key informant interview Bulletin board	Ensuring that a certain proportion of attendees of village congresses are minority residents; when making oral announcement, use minority languages or assign interpreters when necessary; arranging vehicles for minority deputies in remote areas

Source: E&S impact survey, interviews and consultation with agencies concerned

4 Stakeholder Engagement Program

4.1 Purpose and Timing

This SEP has been developed based on an analysis of stakeholders, especially their engagement needs, which are divided by the preparation, implementation and operation stages, where their engagement needs are largely consistent at the implementation and operation stages.

The stakeholder engagement program aims to: i) negotiate with key stakeholders regularly to learn the project purpose, design, scope and activities; and ii) make clear the communication mechanism to ensure that their needs and requirements are met.

At the preparation (or feasibility study stage), the WB Hainan PMO conducted an SIA on the Project, with extensive public participation and consultation, and collected stakeholder opinions on the project design, and further identified stakeholders for the other subprojects. The stakeholder feedback has been reflected in the project design.

At the implementation and operation stages, the WB Hainan PMO will disclose project progress, E&S performance, etc. on the government website monthly together with the PIUs for public access. In addition, a stakeholder consultation activity in each sub-district will be held at

least semiannually to communicate the project objectives, implementation, E&S impacts, measures taken, etc. to the public, and respond to concerns and questions.

4.2 Proposed Strategy for Information Disclosure

Information disclosed and information disclosure measures should be tailored to each stage. E&S information should be disclosed timely in a language that is understood by project-affected parties and other interested parties, so that stakeholders can give opinions on project design and implementation. The information disclosure modes mainly include:

- Government website
- Bulletin boards of public medical institutions
- Sub-district bulletin board
- Village / community bulletin board
- Health Day publicity

See Table 4-1 for the proposed information disclosure plan.

Such plan is dynamic, and will be updated by the WB Hainan PMO and PIUs with the progress of the Project.

The WB Hainan PMO and PIUs should record all disclosed information fully. Table 4-2 provides an information disclosure record template.

Table 4-1 Proposed Information Disclosure Plan

Stage	List of information disclosed	Methods	Venue / date	Target stakeholders
Preparation	Project information (including purpose, nature, size, duration, etc.)	Internet Bulletin board FGD	Government website Bulletin boards of public medical institutions Community bulletin board March 2021-June 2023	WB Hainan PMO Government agencies Industry organizations Community residents Consulting and design agencies
	Publicity on the “one health” concept Implementation plan for the antibiotic restriction policy Publicity on emerging infectious disease prevention and response Cybersecurity protection measures	Internet Bulletin board FGD Training material, pocket book, leaflet, etc.	Government website Bulletin boards of public medical institutions New media platform Community bulletin board March 2021-June 2023	Community residents Industry organizations
	ESF, ESCP and SEP	Internet; Bulletin board	Government website March 2021-June 2023	WB Hainan PMO Government agencies Industry organizations Community residents Consulting and design agencies
	Disclosure of stakeholder consultation results	Internet Bulletin board FGD Door-to-door publicity	Government website Bulletin boards of public medical institutions Community bulletin board March 2021-June2023	WB Hainan PMO Government agencies Industry organizations Community residents Consulting and design agencies
Implementation and operation	Project information (including information on approval, major design changes, bidding, construction, quality and safety supervision,	Internet Bulletin board FGD	Government website Bulletin boards of public medical institutions Community bulletin board 2023-2027 (quarterly)	WB Hainan PMO Government agencies Project consulting management agency Industry organizations Community residents

	completion, etc.)			Consulting and design agencies
	Community safety, working conditions, occupational health policies, workflow, personal protection, etc.	Internet Bulletin board FGD Door-to-door publicity	Government website Sub-district bulletin board Community bulletin board 2023-2027 (quarterly)	WB Hainan PMO Project consulting management agency PIUs Sub-district and community heads
	Publicity on the “one health” concept Implementation plan for the antibiotic restriction policy Publicity on emerging infectious disease prevention and response Cybersecurity protection measures	Internet Bulletin board FGD Training material, pocket book, leaflet, etc.	Government website Bulletin boards of public medical institutions New media platform Community bulletin board 2023-2027 (quarterly)	Community residents Industry organizations
	Project Demonstration Community Construction (City) Project Demonstration Administrative Village/Town Construction (Rural) "One Health" simulation training Construction of simulation exercise base	Internet; Bulletin board; FGD Door-to-door publicity	Government website Bulletin boards of public agencies New media platforms Community/ Township bulletin board Withing 2023-2027 project lifecycle	WB Hainan PMO Project consulting management agency Expert Consultation Committee Government agencies Community residents Rural resident PIUs
	GRMs	Internet; Bulletin board; FGD	Government website Bulletin boards of public medical institutions Community bulletin board June 2023, and including the whole project lifecycle	WB Hainan PMO PIUs Sub-district and community heads
	Monitoring reports	Internet FGD	Government website 2023-2027 (semiannually)	WB Hainan PMO Project consulting management agency PIUs
	Disclosure of stakeholder consultation results	Internet Bulletin board FGD Door-to-door publicity	Government website Bulletin boards of public medical institutions Community bulletin board 2023-2027 (quarterly)	WB Hainan PMO Government agencies Industry organizations Community residents Consulting and design agencies

Table 4-2 Information Disclosure Record Template

Disclosed information	Venue	Method	Target stakeholders	Agencies responsible

4.3 Proposed Strategy for Consultation

Stakeholder engagement is a two-way process that will be conducted during the whole project lifecycle. The overall principles are as follows:

- Preliminary suggestions on the Project are collected early on during project planning to affect the project design;

- Stakeholders are encouraged to give feedback, especially as a means of consultation to identify and mitigate E&S risks and impacts;
- Feedback is considered and addressed to support the active extensive participation of project-related parties.

During stakeholder engagement, the WB Hainan PMO will implement the following strategy:

- Starting stakeholder engagement as soon as possible, and running it through the whole project lifecycle
 - Mutual assistance among government departments concerned
 - Disclosing project and E&S information timely
 - Cooperating with communities
 - Interviewing stakeholder representatives and key informants
 - Handling grievances timely and properly
 - Survey, pool and questionnaire
 - Public meeting, seminar and/or FGD
 - Participatory method
 - Other conventional consulting and decision-making mechanisms

In order to further clarify the consultation strategies of different activities, the four activities are listed in the tables. For technical assistance projects, in the process of system construction, information platform development and policy planning research, it should pay attention to the public disclosure of information during planning and implementation. In addition, pay attention to the participation of vulnerable groups in public affairs is necessary; For capacity building projects, different stakeholders should pay attention to the problems and feedback of the entire project; For equipment procurement projects, there may be environmental pollution risks during the installation of the venue equipment. Relevant stakeholders should have sufficient consultation and reach a consensus solution strategy; For civil construction projects, environmental management, community safety and workers' management in the project construction process should be attached importance to. For the noise pollution, the infection and exposure of the mission of workers, and the management of the working conditions and GRMs, the participation and consultation of local residents and workers need to be involved. See Table 4-3 to 4-6.

At the same time, the consultation of the stakeholders includes the preparation, the implementation and operation stages. As to the preparation, the key is to focus on the disclosure of project bidding and negotiations, the application approval of the environment and land in the project, the perception and possible opinions of the relevant parties, and different stakeholders' cognition and possible opinions etc., The implementation stage includes environmental approval of pilot projects such as "healthy markets" and "key laboratories", major design changes and public consultation participation of different interest groups. The focus of the operation stage includes the safety of the project community, the working conditions of the workers and GRMs, etc.

The public consultation process adopted is as follows. First of all, identify the stakeholders involved in the project, and clarify the target stakeholders. Secondly, the method of consultation is formulated, which includes symposiums, expert seminars, focus group interviews, key information interviews, health publicity day consultation, and hotline telephone, etc. Consultation activities with stakeholders in different stages of the project have different consultation frequencies and requirements. Third, the possible consultation issues in the reference table of the sub-project are updated, supplemented or improved based on the actual situation, and the main information and discovery results are recorded after the consultation. Follow-up records and return visit mechanism for important consultation issues are established. The issues that have not been resolved in time

can be included in the next step of consultation plan. Finally, the sub-project integrates the results of the consultation into the activity. Also, the discovery, questions and difficulties are integrated into the semi-annual report in a timely manner, and reported and fed back to the World Bank, which to ensure the effectiveness of the public participation.

All public participation and consultation activities will be recorded. Table 4-7 provides a record template.

Table 4-3 Technical Assistance Projects

Stage	Target stakeholders	Organizers	Methods	Venue / date /frequency	Topic	Applicable sub-project
Preparation	WB Hainan PMO Provincial and municipal government agencies PIUs	WB Hainan PMO PIUs Expert Consultation Committee	Seminar Expert seminar	Government agencies March 2021 – June 2023	Clear and division of project content Recognize potential project stakeholders	1.1-1.4、 2.1-2.10 3.2、 3.3、 3.5、 3.6
	WB Hainan PMO Provincial and municipal government agencies Industry organizations Community residents	WB Hainan PMO Provincial and municipal government agencies PIUs Expert Consultation Committee	Seminar Key informant interview Expert seminar	Government agencies Public Medical Institution Office Community Neighborhood Committee/Villagers Neighborhood Committee March 2021-June 2023	Research on the subject of the monitoring system Discuss the comprehensive platform of construction Clarify and formulate laws and regulations, management regulations, and operating guidelines	1.1-1.4、 2.1-2.10 3.2、 3.3、 3.5、 3.6
Implementation	WB Hainan PMO Provincial and municipal government agencies Industry organizations Community residents	WB Hainan PMO Provincial and municipal government agencies PIUs Expert Consultation Committee	Seminar Key informant interview Expert seminar	Government agencies Public Medical Institution Office Community Neighborhood Committee/Villagers Neighborhood Committee March 2021-June 2023	Specific development of topic research Comprehensive platform application Introduce laws and regulations, management regulations, and operating guidelines, etc.	1.1-1.4、 2.1-2.10 3.2、 3.3、 3.5、 3.6
Operation	WB Hainan PMO Provincial and municipal government agencies Industry organizations Community residents Consulting and design agencies	WB Hainan PMO PIUs Sub-district and community heads	FGD Key informant interview Health Day publicity Public satisfaction survey, “12345” and “12306” hotlines	Government agencies Community committees (quarterly)	Continuous publicity and popularization of projects The of publicity, popularization and operation of relevant laws and regulations, management regulations, operation guidelines and other policies and standards	1.1-1.4、 2.1-2.10 3.2、 3.3、 3.5、 3.6
The whole process	Industry organizations Community residents	WB Hainan PMO Consulting management agencies PIUs Expert Consultation Committee Sub-district and community heads	FGD Key informant interview Health Day publicity Public satisfaction survey, “12345” and “12306” hotlines	Government agencies Community committees (semi-annually)	The E&S impact of the introduction and implementation of subsequent policy mechanisms on the downstream	1.1-1.4、 2.1-2.10 3.2、 3.3、 3.5、 3.6

Table 4-4 Capacity Building Projects

Stage	Target stakeholders	Organizers	Methods	Venue / date /frequency	Topic	Applicable sub-project
Preparation	WB Hainan PMO Provincial and municipal government agencies Industry organizations Community residents Consultation design agencies	WB Hainan PMO PIUs Sub-district and community heads	FGD Key informant interview Seminar	Government agencies Public Medical Institution Office Community Neighborhood Committee/Villagers Neighborhood Committee March 2021-June 2023	Budget arrangement for project prep work and preparatory preparation cost Implementation of institutional responsibilities for preliminary preparation Determination of the project working group staff team	1.1、 1.3、 1.4 2.3、 2.5、 3.1、 3.3、 3.4、 3.7、 4.1-4.4
	WB Hainan PMO Provincial and municipal government agencies Industry organizations	WB Hainan PMO PIUs	FGD Key informant interview Seminar Open selection	Government agencies	Preparation of international and domestic exchange activities Selection and development of talent team Pre-management of Project Supervision and Evaluation	1.1、 1.3、 1.4 2.3、 2.5、 3.1、 3.3、 3.4、 3.7、 4.1-4.4
Implementation	Bureau of Ecology and Environment, The Bureau of Land Resources and Planning and other relevant government departments Community residents	WB Hainan PMO Consulting management agencies PIUs Sub-district and community heads	Seminar	Government agencies (depending on the timing of major design changes)	Major design changes	1.1、 1.3、 1.4 2.3、 2.5、 3.1、 3.3、 3.4、 3.7、 4.1-4.4
	WB Hainan PMO Provincial and municipal government agencies Industry organizations	WB Hainan PMO PIUs	FGD Key informant interview Seminar open selection	PIUs (quarterly)	Academic exchange activities The open selection and determination of the talent team Supervision and evaluation	1.1、 1.3、 1.4 2.3、 2.5、 3.1、 3.3、 3.4、 3.7、 4.1-4.4
Operation	WB Hainan PMO Provincial and municipal government agencies Industry organizations Community residents	WB Hainan PMO Consulting management agencies PIUs Sub-district and community heads	Email Telephone “12345” and “12306” hotlines	Government agencies PIUs Community committees (quarterly)	Supervision and evaluation GRMs	1.1、 1.3、 1.4 2.3、 2.5、 3.1、 3.3、 3.4、 3.7、 4.1-4.4

Stage	Target stakeholders	Organizers	Methods	Venue / date /frequency	Topic	Applicable sub-project
The whole process	WB Hainan PMO Provincial and municipal government agencies Industry organizations Community residents Consultation design agencies	WB Hainan PMO PIUs Sub-district and community heads	FGD Key informant interview Health Day publicity Public satisfaction survey, “12345” and “12306” hotlines	Government agencies Community committees (quarterly)	Different stakeholders feedback on the problems that occur during the project operation period	1.1、 1.3、 1.4 2.3、 2.5、 3.1、 3.3、 3.4、 3.7、 4.1-4.4

Table 4-5 Equipment Procurement Projects

Stage	Target stakeholders	Organizers	Methods	Venue / date /frequency	Topic	Applicable sub -project
Preparation	WB Hainan PMO Provincial and municipal government agencies Industry organizations	WB Hainan PMO PIUs	Seminar	PIUs March 2021-June 2023	Clarify the unit, type and fund budget for equipment procurement Promote the resource sharing mechanism between institutions Formulate the management measures for equipment	1.2、 1.3、 1.4、 2.1-2.11、 3.3、 3.4、 3.10
	WB Hainan PMO Provincial and municipal government agencies Industry organizations Community residents Consultation design agencies	WB Hainan PMO PIUs Sub-district and community heads	FGD Key informant interview “ 12345” and “12306” hotlines	PIUs Community committees (quarterly)	Possible equipment purchase risks involved The sensitive point of community/sub-district that may be involved	1.2、 1.3、 1.4、 2.1-2.11、 3.3、 3.4、 3.10
Implementation	WB Hainan PMO Provincial and municipal government agencies Laboratories Industry organizations Community residents	WB Hainan PMO PIUs Sub-district and community heads Person in charge of laboratory	FGD Key informant interview Seminar “ 12345” and “12306” hotlines	PIUs Laboratories Community committees (quarterly)	The person in charge and regulations of equipment management The use, protection and emergency plan of facilities and equipment Possible environmental pollution caused by equipment treatment and its solutions	1.2、 1.3、 1.4、 2.1-2.11、 3.3、 3.4、 3.10
Operation	WB Hainan PMO Provincial and municipal	WB Hainan PMO PIUs	FGD Key informant interview	PIUs Laboratories	Maintenance and overhaul of equipment	1.3、 2.9、

Stage	Target stakeholders	Organizers	Methods	Venue / date /frequency	Topic	Applicable sub -project
	government agencies Laboratories Industry organizations	Person in charge of laboratory	Seminar “12345” and “12306” hotlines	(quarterly)	Improvement of equipment management measures	3.3

Table 4-6 Civil Construction Projects

Stage	Target stakeholders	Organizers	Methods	Venue / date /frequency	Topic	Applicable sub -project
Preparation	WB Hainan PMO Bureau of Ecology and Environment	WB Hainan PMO PIUs	Seminar	The meeting room of Bureau of Ecology and Environment March 2021-June 2023	Environmental approvals and qualifications required for project activities (especially pilot projects such as healthy markets and key laboratories)	1.3、 2.9、 3.3
	Bureau of Land Resources and Planning	WB Hainan PMO PIUs	Seminar	The meeting room of the Bureau of Land Resources and Planning March 2021-June 2023	Land plans, approvals and permits for project activities (especially those might involve land occupation)	1.3、 2.9、 3.3
	Communities/villages affected by ground appendages Residents/villagers affected by ground appendages	WB Hainan PMO Bureau of Natural Resources Planning PIUs Sub-district and community heads	Affected community public announcement Key informant interview FGD	The meeting room of PIUs, or related communities/villages (Before the implementation of the sub-project)	Opinions of residents/villagers who may be affected on young crops compensation Preliminary publicity of young crop compensation related policies The negotiation and determination of the compensation plan	1.3、 2.9、 3.3
	Community/village affected by the Civil Construction Residents/villagers affected by the Civil Construction	WB Hainan PMO Bureau of Natural Resources Planning Sub-district and community heads	Key informant interview Seminar “12345” and “12306” hotlines	Affected community/township	Risk notification and management of construction workers entering the site Environmental pollution and noise pollution that may be caused by construction The formulation and publicity of the construction notification sign	1.3、 2.9、 3.3

Stage	Target stakeholders	Organizers	Methods	Venue / date /frequency	Topic	Applicable sub -project
Implementation	Communities/villages affected by ground appendages Residents/villagers affected by ground appendages	WB Hainan PMO Bureau of Natural Resources Planning PIUs Sub-district and community heads	Key informant interview Seminar	Affected community (Before the implementation of the sub-project)	The implementation and supervision of green seedlings compensation (including compensation plan, compensation fee payment, etc.)	1.3、 2.9、 3.3
	Various types of workers	WB Hainan PMO Consulting management agencies PIUs Sub-district and community heads	Seminar Community bulletin board On-site training	Community committees The project site (quarterly)	Project community safety, working conditions and occupational health policies, workflow, personal protection, etc. The implementation of the information bulletin board for workers' rights protection and the bulletin board for preventing sexual harassment	1.3、 2.9、 3.3
	WB Hainan PMO Provincial and municipal government Community Residents Rural residents	WB Hainan PMO Consulting management agencies PIUs Expert Consultation Committee Sub-district and community heads Township heads	Seminar Community bulletin board Policy documents Volunteer team	PIUs Demonstration community and its committee Demonstration administrative village/township and its committee The project site	Demonstration community construction (urban) Demonstration administrative village/township construction (rural)	1.3、 2.9、 3.3
Operation	WB Hainan PMO Provincial and municipal government Industry organizations Community residents Consultation design agencies	WB Hainan PMO PIUs Expert Consultation Committee Sub-district and community heads	Seminar	Community committees The project site (quarterly)	Project community safety, working conditions and occupational health policies, workflow, personal protection, etc.	1.3、 2.9、 3.3

Stage	Target stakeholders	Organizers	Methods	Venue / date /frequency	Topic	Applicable sub -project
The whole process	WB Hainan PMO Provincial and municipal government Industry organizations Community Residents	WB Hainan PMO Project consulting management agency PIUs Sub-district and community heads	Email Telephone “12345” and “12306” hotlines	Government agencies concerned PIUs Community committees 2023-2027 (Depending on the change)	GRMs	1.3、 2.9、 3.3

Table 4-7 Public Participation Record Template

Date	Venue	Key activity	Key method	Participants	Agencies responsible	Key findings	Need further consultation (Yes/No)

4.4 Proposed Strategy to Incorporate Views of Vulnerable Groups

Since vulnerable groups are more likely to suffer disproportionate losses and be excluded from consultation, appropriate measures should be taken to ensure that they fully participate in project activities. Table 4-8 outlines the proposed strategy to incorporate views of vulnerable groups.

Table 4-8- Proposed Strategy to Incorporate Views of Vulnerable Groups

Stage	Topic	Methods	Venue / date	Organizers
Preparation	Project publicity	Routine publicity by old age care stations Fixed point publicity by travel agencies Education by local schools Pertinent small FGDs New media platforms	Offices of government agencies concerned Old age care stations Community committees March 2021-June 2023	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Heads of old age care stations Sub-district and community heads
	Vulnerable groups' suggestions on and expectations for the Project	Routine publicity by old age care stations Fixed point publicity by travel agencies Education by local schools Pertinent small FGDs New media platforms	Offices of government agencies concerned Community committees March 2021-June 2023	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Heads of old age care stations Sub-district and community heads
	Opinions of vulnerable groups on the antibiotic restriction policy Attitudes to "one health" concept How to protect the personal privacy of vulnerable groups	Routine publicity by old age care stations Fixed point publicity by travel agencies Education by local schools Pertinent small FGDs New media platforms	Offices of government agencies concerned Community committees March 2021-June 2023	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Heads of old age care stations Sub-district and community heads
Implementation	Potential impacts of the Project on vulnerable groups (e.g., if the antibiotic restriction policy will affect the income of low-income residents and minority residents)	Routine publicity by old age care stations Fixed point publicity by travel agencies Education by local schools Pertinent small FGDs New media platforms	Offices of government agencies concerned Community committees (Quarterly)	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Heads of old age care stations Sub-district and community heads
	Grievance redress	"12369" hotline Telephone E-mail	Offices of government agencies concerned Community committees (Quarterly)	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned

Stage	Topic	Methods	Venue / date	Organizers
				Sub-district and community heads
	Training for vulnerable groups	Pertinent small training sessions, with professional trainers assigned based on needs of vulnerable groups	Offices of government agencies concerned Community committees (Quarterly)	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Heads of old age care stations Sub-district and community heads
	Implementation of work for vulnerable groups	FGD	Offices of government agencies concerned Community committees (Quarterly)	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Heads of old age care stations Sub-district and community heads
Operation	E&S impacts of the promulgation and implementation of subsequent policies and mechanisms on vulnerable groups	Routine publicity by old age care stations Fixed point publicity by travel agencies Education by local schools Pertinent small FGDs New media platforms	Offices of government agencies concerned Community committees 2023-2027 (Semiannually)	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Sub-district and community heads
	Grievance redress	"12369" hotline Telephone E-mail	Offices of government agencies concerned Community committees 2023-2027 (Semiannually)	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Sub-district and community heads
	Training for vulnerable groups	Pertinent small training sessions, with professional trainers assigned based on needs of vulnerable groups	Offices of government agencies concerned Community committees 2023-2027 (Semiannually)	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Sub-district and community heads
	Implementation of work for vulnerable groups	FGD	Offices of government agencies concerned Community committees 2023-2027 (Semiannually)	WB Hainan PMO PIUs Ethnic and religious affairs commissions, civil affairs bureaus, and other agencies concerned Sub-district and community heads

4.5 Timelines

As discussed above, most of the proposed components are at the planning stage, there is no detailed implementation or timeline yet. Therefore, no detailed stakeholder engagement program can be prepared. However, the basic strategy outlined in Section 4.3 will be followed. As component information becomes clear, the PIUs will prepare detailed timelines for stakeholder engagement. Table 4-9 sets out key times for information disclosure and feedback.

Table 4-9 Schedule for Key Decisions on Stakeholders

Stage	Key decisions and information	Time	Cut-off date for feedback and decision-making
Preparation	Project information (including nature, size, duration, etc.), SEP, etc.	March 2021-June 2023	June 31, 2023
Implementation	Progress, implementation of E&S measures, grievance redress, project performance and E&S performance reports	From 2023 to May 31 and November 30 2027, to be adjusted as the case may be	June 30 and December 31 of each year
Operation	Project operation, grievance redress, project performance and E&S performance reports	May 31 and November 30 of every year, to be adjusted as the case may be	June 30 and December 31 of each year

4.6 Review of Comments

The WB Hainan PMO will record all opinions and suggestions given by stakeholders, no matter from questionnaire or interviews, which are described in semiannual E&S monitoring reports, and disclosed to the public.

For stakeholder suggestions at the **preparation** stage, the WB Hainan PMO and PIUs would fully consider them in the project design to meet their needs and interests.

For stakeholder suggestions at the **implementation and operation** stages, the WB Hainan PMO would fully communicate with stakeholders to find the most effective solution.

4.7 Future Phases of the Project

With the progress of the Project, the ESMF, SEP and GRMs will be implemented as planned.

The WB Hainan PMO and PIUs will communicate with stakeholders according to this SEP (Sections 4.1, 4.3, 4.4 and 4.5), and disclose project information (including project and construction information, E&S management documents (e.g., ESMF, SEP), GRMs, etc.) to them. The WB Hainan PMO will prepare an E&S performance report semiannually, and disclose it to the public by different means.

If the Project has any change, the WB Hainan PMO and PIUs will notify stakeholders timely by the above means and through public consultation, and confirm relevant approval matters with the agencies concerned (e.g., bureaus of land resources and planning, bureaus of ecology and environment).

5 Resources and Responsibilities for Implementing Stakeholder Engagement Activities

5.1 Resources

The Hainan PMO will coordinate SEP preparation and implementation, and require that the PIUs conduct open, fair and just public participation and consultation to protect the interests of all stakeholders and promote successful project implementation.

The Hainan PMO and PIUs will assign full-time staff and a dedicated budget to conduct information disclosure and stakeholder engagement.

5.2 Management Functions and Responsibilities

Based on the stakeholder identification and drafted engagement plan, the WB Hainan PMO and PIUs will define their functions and responsibilities to ensure effective stakeholder engagement and timely grievance redress.

The project consulting management agency will assign an environmental specialist and a social specialist to take charge of E&S matters respectively, including SEP implementation, grievance redress and performance monitoring.

For any component identified with “substantial” E&S risks, the PIU will assign an environmental specialist and a social specialist to take charge of E&S matters respectively. For any component of any other E&S risk rating, the PIU will assign a specialist to take charge of E&S matters.

The WB Hainan PMO will monitor and evaluate E&S document implementation and performance, and propose suggestions and measures accordingly. See Table 5-1.

Table 5-1 Functions and Responsibilities of Stakeholder Engagement

No.	Agency	Responsibilities
1	Director of the WB Hainan PMO	<ul style="list-style-type: none"> Reviewing and confirming the SEP Supervising stakeholder engagement activities Reporting stakeholder engagement results and opinions to leaders
2	E&S specialists of the project consulting management agency	<ul style="list-style-type: none"> Assisting the PIUs in developing SEPs Supervising PIUs implementation of SEP, and communicating and coordinating with the PIUs Handling stakeholder grievances Monitoring stakeholder engagement performance Reporting SEP results to WB Hainan PMO Regularly tracking, monitoring and evaluation of the implementation activities of the SEP Providing advice and submitting monitoring report to Hainan PMO and World Bank
3	PIUs	<ul style="list-style-type: none"> Developing and implementing SEPs Implementing responsibilities and commitments Identifying key stakeholder concerns Tracking stakeholder engagement progress and feedback Establishing and maintaining an effective GRM Reporting stakeholder engagement outcomes to the project consulting management agency
4	E&S heads of PIUs	<ul style="list-style-type: none"> Communicating and coordinating with communities Managing and implementing stakeholder engagement related to E&S Recording stakeholder engagement activities Updating the stakeholder engagement record form Recording stakeholder grievance redress results

6 GRMs

To respond to concerns and grievances about E&S performance, two special GRMs have been established for the Project and for workers.

The GRM for the Project will collect, handle and give feedback on all questions and grievances that may be received during project implementation.

The GRM for project workers will collect, handle and give feedback on all questions and grievances that may be received during project implementation.

6.1 For the Project

Stage 1: If any resident or other interested party files a grievance with the PIU (e.g. on-site investigation institutions, design institution), village / community committee, or township government / sub-district office, such grievance should be handled, and the result communicated to the grievant within 15 working days

Stage 2: If the grievant is dissatisfied with the result of Stage 1, he/she may file a grievance with the district / county government, or a municipal authority (e.g., ecology and environment bureau, water bureau) after receiving such result. Such grievance should be handled, and the result communicated to the grievant within 15 working days.

Stage 3: If the grievant is dissatisfied with the result of Stage 2, he/she may file a grievance with the municipal government after receiving such result. Such grievance should be handled, and the result communicated to the grievant within 15 working days.

Stage 4: If the grievant is still dissatisfied with the results of the above stages, he/she may apply for administrative reconsideration with the next higher level administrative authority of the grievance handling agency, or any other authority stipulated by laws and regulations in accordance with the Administrative Reconsideration Law of the PRC, or bring a suit in a court in accordance with the Civil Procedure Law of the PRC.

The Hainan PMO is generally responsible for grievance collection, tracking and recording, as well as the receiving, handling, tracking, recording and feedback of grievances filed through government hotline, websites, and other online platforms. Other agencies should designate a dedicated member or office for receiving, handling, recording and reporting.

Residents may file grievances via the channels in Table 6-1.

Table 6-1 Contact Information

Channel		Reply time
e-mail	/	48 hours
Telephone	Provincial Health commission's supervision hotline "0898-65388375" Provincial HPDRC's supervision hotline: "0898-65399890" Provincial market regulation bureau's supervision hotline: "0898-66767650" Provincial ecology and environment department's supervision hotline: "0898-65350100"	Immediately, or within 48 hours for messages
Letters and visits	http://xf.hainan.gov.cn/sxfj/index.shtml	One week
Government website	Websites of government agencies	15 days
Satisfaction survey	Public scoring mechanism	Monthly

6.2 For Project Workers

For worker grievances, the WB Hainan PMO and PIUs will develop and implement a GRM to address their grievances about working conditions, health and safety issues, etc. In addition, the PIUs will ask contractors to develop and implement a GRM for workers.

Contractors will establish an LMP before construction, including a detailed description of the worker GRM, including:

- Appeal channels, including comment/ form, suggestion box, e-mail and hotline;
- Response schedule;
- Registration form for recording and tracking timely grievance redress;
- Agencies responsible for receiving, recording and tracking grievance redress

The PIUs will assign dedicated staff to supervise grievance redress by contractors, and report to the WB Hainan PMO in monthly progress reports.

The GRM will be introduced in the induction training for all project workers, and this mechanism is based on the following principles:

- The process is transparent, allowing workers to express their concerns and file grievance;
- No worker is discriminated in expressing grievance, and all grievances are kept confidential;
- Anonymous grievances are treated equally with the ones with known sources;
- Grievances are taken seriously and responded to appropriately and timely.

All project workers (direct and contracted workers) will receive GRM information at any time by website, meeting and otherwise.

The worker GRM will not prevent workers from seeking remedies by other judicial or administrative means. For example, workers may grieve about remuneration, working conditions, and other aspects of labor through the grievance hotlines of the provincial and local labor supervision agencies disclosed on the website of the provincial bureau of human resources and social security (<http://hrss.hainan.gov.cn/>).

In addition, In GBV (gender-based violence) management, by the coordination of WB Hainan PMO, Project Consultation Management Institution, Provincial Women's Federation, Municipal Women's Federation, Sub-district and Community Women's Federation, project construction unit (contractor) are supposed to sign labor (employment) contracts with female employees in accordance with the "Protection of the Women's Rights and Interests of the People's Republic of China", "Special Provisions on Labor Protection for Female Workers", "Regulations on Health Care for Female Workers", "Special Labor Protection System for Female Workers in Workplace (Reference)" " Elimination of Sexual Harassment in the Workplace (References) "and other laws and regulations. In addition, equal pay for equal work for men and women. Combined with the characteristics of One health project, it is necessary to appoint a specialist who is responsible for the protection of women's rights and interests. Measures are also needed to prevent and stop female employees from being sexually harassed in workplaces.

At the same time, set up rapid response mechanisms to unblocked complain and suggestions of women's workers and project district women to or in GBV. If there are behaviors that endanger the personal safety of female employees such as sexual harassment in the workplace, they can immediately report to the employer, primary women's federation, female employee committee or "12338" women's rights service hotline to report or complain. The employer should handle it in time and protect the rights and interests of female employees in accordance with the law.

The worker GRM will not prevent workers from using the mediation procedure specified in the Labor Law. The basic procedure is as follows:

Stage 1: The party applying for arbitration will file a written application to the labor dispute arbitration committee within 60 days from the date of the labor dispute. The committee will make a judgment within 60 days. If the party has no objection to the judgment, it will perform such judgment. The committee is composed of representatives of the labor authority, trade union and employer. The committee shall be chaired by a representative of the labor administrative department.

Stage 2: If either party to a labor dispute disagrees with the arbitration award, it may bring a lawsuit to the people's court within 15 days after receiving the award.

7 Monitoring and Reporting

7.1 Involvement of Stakeholders in Monitoring Activities

The PIUs will keep all stakeholder engagement, information disclosure and grievance redress records, and report to the Hainan PMO through the routine monitoring and reporting mechanism. The Hainan PMO will include SEP implementation in semiannual E&S monitoring reports. See Table 7-1.

Table 7-1 Indicators for Stakeholder Engagement Monitoring

No.	Indicator	Unit	Frequency	Agencies responsible
1	Frequency of public participation at preparation stage of the project/ sub-project	Time	Quarterly	WB Hainan PMO, project consulting management agency and PIUs
2	Frequency of public participation at the construction and/or operation stages of the project/ sub-project	Time	Quarterly	WB Hainan PMO, project consulting management agency and PIUs
3	Number of participants in public participation activities	Person	Quarterly	WB Hainan PMO, project consulting management agency and PIUs
3.1	Where: women	Person	Quarterly	WB Hainan PMO, project consulting management agency and PIUs
3.2	Vulnerable groups	Person	Quarterly	WB Hainan PMO, project consulting management agency and PIUs
4	Number of pieces of feedback	/	Quarterly	WB Hainan PMO, project consulting management agency and PIUs
5	Number of grievances received	/	Quarterly	WB Hainan PMO, project consulting management agency and PIUs
6	Number of grievances handled	/	Quarterly	WB Hainan PMO, project consulting management agency and PIUs

7.2 Reporting back to Stakeholder Groups

Results of stakeholder consultation activities will be reported back to project-affected parties and greater stakeholders based on the information disclosure strategy outlined in Chapter 4.

In the whole project lifecycle, the Hainan PMO and PIUs will ensure the effective operation of the GRM, communicate with stakeholders timely, and give feedback on their concerns.

Appendix 1 Preliminary Stakeholder Identification by Component

No.	Component / subcomponent	Type	Stakeholder	Role (impact by / on the Project)
1	Sub-project 1: Improve the risk-based monitoring system 1.1 Carry out research and risk assessment of zoonotic disease; 1.2 Construction of a comprehensive platform for multi-point trigger monitoring and early warning and analysis application system for infectious diseases; 1.3 Building human, animal and environmental monitoring systems; 1.4 Laboratory renovation and capacity enhancement in related fields	Project- affected parties	Stockbreeding companies or large-scale breeders	Potentially exposed to animal epidemics in day-to-day work, improving health security awareness, and reducing the incidence of epidemics
2			Animal and plant inspection and quarantine workers	Potentially exposed to animal epidemics in day-to-day work, improving quarantine capacity, and creating a better working environment
3			Wild animal protection and testing workers	Changing the past workstyle; strengthening inspection and quarantine, improving the professionalism of staff, and improving management systems and inspection and quarantine equipment
4			Human / animal / fishery antibiotic pharmaceutical companies	Massive antibiotic producers and emitters; accepting the “one health” concept, enhancing the all-round regulation of antibiotics, and controlling antibiotic abuse actively
5			Key laboratory researchers	Improving facilities, equipment and the working environment, receiving rich scientific research resources and professional training, and extending project pilot outcomes
6			Public medical institution workers	Changing the past workstyle, improving medical proficiency and emergency response capacity, increasing training and education opportunities, and enhancing welfare
7			Rural residents	Affected by young crop compensations; Antibiotic users and emitters; more normative use of pesticides, receiving better and more convenient public health services at the village level, and reducing the probability of infection
8			Urban residents	Antibiotic users and emitters; receiving better and more convenient public health services at the community level, and reducing medical expenses and the probability of infection, ensuring public awareness without any panic, and improving public opinion monitoring
9		Other interested parties	WB Hainan PMO	Managing the Project on behalf of the Hainan Provincial Government, communicating with the Bank, and ensuring project implementation and operation
10			HPDRC	Responsible for project initiation and approval, taking the lead in coordinating agencies, and preparing relevant plans and standards. Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized

No.	Component / subcomponent	Type	Stakeholder	Role (impact by / on the Project)
11			Provincial health commission	Preventing and treating infectious diseases in general, and giving education and training on public health emergencies
12			Provincial department of ecology and environment	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
13			Provincial forestry bureau	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
14			Provincial department of agriculture and rural affairs	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
15			Provincial market regulation bureau	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
			Provincial medical products administration	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
16			Haikou Customs	Preventing the cross-border spread of animal and plant epidemics, and strengthening animal and plant quarantine capacity of ports
17			Provincial big data bureau	Managing public data resources, and coordinating the integration, sharing, opening and application of public data resources
18			Human resources and social security bureaus	Protecting, managing and training on the rights and interests of workers and poor residents
19		Vulnerable groups	Old people	Low immunity group, potential frequent users of antibiotics, reducing negative impacts of the antibiotic restriction policy, and receiving alternative drugs
20	Left-behind children		Low immunity group, sensitive to antibiotics, short of supervision by guardians over drug use and infectious disease prevention	
21	Infectious disease patients		Low immunity group, relying heavily on drugs, and need to reduce negative impacts of the antibiotic restriction policy without affecting subsequent treatment	
22	Low-income residents		Enjoying health poverty alleviation and preferential policies, benefiting equally without being excluded, and not affected in income by the antibiotic restriction policy	
23	Seasonal floating population		Reducing the probability of infection, receiving equal local	

No.	Component / subcomponent		Type	Stakeholder	Role (impact by / on the Project)
					public health services, reducing medical procedures and expenses, and improving health security for seasonal tourists to Hainan
24	Sub-project 2: Establish and improve prevention and control plans for key zoonoses and other emerging health threats	2.1 Antibiotic Reduction Action; 2.2 Research and application of One Health strategies for the prevention and control of highly prevalent zoonoses (carrying out integrated prevention and control program for major zoonoses); 2.3 Research and application of One Health technologies for the prevention and control of infectious diseases in the context of free trade port construction; 2.4 Research and application of vaccine-preventable diseases in the context of free trade port construction; 2.5 Research on integrated disposal and dispatching system for public health emergencies; 2.6 "Healthy Market" pilot action 2.7 Biosafety ports (customs port	Project- affected parties	Human / animal / fishery antibiotic pharmaceutical companies	Disclosing information, learning policies, enhancing the all-round regulation of antibiotics, and controlling antibiotic abuse actively
25				Stockbreeding companies or large-scale breeders	Massive antibiotic producers and emitters; improving the whole-process regulation of aquaculture to reduce viral infection
26				Animal and plant inspection and quarantine workers	Changing the past workstyle; strengthening inspection and quarantine, improving the professionalism of staff, and improving management systems and inspection and quarantine equipment
27				Wild animal protection and testing workers	Comprehensive ban on the eating of wild animals clearly, cracking down on illegal wild animal trading severely, changing the past workstyle, and improving the capacity to prevent, treat and cope with infectious diseases
28				Healthy market transport, vendors and disinfection workers	Establishing sounder industry management systems and standards; further improving the working environment, and receiving scientific and normative system training; increasing income; extending project pilot outcomes
29				Key laboratory researchers	Improving facilities, equipment and the working environment, receiving rich scientific research resources and professional training, and extending project pilot outcomes
30				Quarantine center security guards	Receiving more professional training, further improving work support, and reducing the probability of infection
31				Public medical institution workers	Changing the past workstyle, improving medical proficiency and emergency response capacity, increasing training and education opportunities and welfare
32				Border control agents	Changing the past workstyle, and improving the capacity to prevent, treat and cope with infectious diseases during border control
33				International transport workers	Changing the past workstyle, and improving the capacity to prevent, treat and cope with infectious diseases during international transport
34				Urban waste collection and treatment workers	Changing the past workstyle, improving health security during waste collection and treatment, and reducing the probability of infection
35			Rural residents	Antibiotic users and emitters; more normative use of pesticides,	

No.	Component / subcomponent	Type	Stakeholder	Role (impact by / on the Project)
	construction); 2.8 Construction of integrated One Health management demonstration community (urban); 2.9 Construction of integrated One Health management demonstration administrative villages/townships (rural); 2.10 Construction of a One Health simulation training and exercise base; 2.11 Establishment of a catalogue of key technologies, products and standards for One Health;			receiving better and more convenient public health services at the village level, and reducing the probability of infection
36			Urban residents	Antibiotic users and emitters; receiving better and more convenient public health services at the community level, and reducing medical expenses and the probability of infection
37			Communities potentially affected by LAR	The community economy and assets are affected, requiring sufficient compensation and proper resettlement
38			Households potentially affected by LAR	Loss of land revenue and impact of house relocation, requiring sufficient compensation and proper resettlement
39		Other interested parties	WB Hainan PMO	Managing the Project on behalf of the Hainan Provincial Government, communicating with the Bank, and ensuring project implementation and operation
			Project consulting management agency	Assisting the WB Hainan PMO in accordance with the requirements of the World Bank and the Chinese Government's loan agreement, project agreement and related policies and regulations, to carry out the entire process management and technical support
			Expert Advisory Committee	Responsible for providing policy recommendations for the overall development of the "One Health" of Hainan Province, and the committee is responsible for providing technical guidance and policy suggestions for the WB Hainan PMO
			Bidding agency	Carrying out procurement on behalf of the WB Hainan PMO
40			HPDRC	Responsible for project initiation and approval, taking the lead in coordinating agencies, and preparing relevant plans and standards. Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
41			Provincial market regulation bureau	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
42			Provincial forestry bureau	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
43			Provincial department of ecology and environment	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
44			Provincial health commission	Preventing and treating infectious diseases in general, and giving education and training on public health emergencies

No.	Component / subcomponent	Type	Stakeholder	Role (impact by / on the Project)
45			Provincial big data bureau	Managing public data resources, and coordinating the integration, sharing, opening and application of public data resources
46			Provincial medical products administration	Regulating drugs under the Project, and the whole process of circulation and use of antibiotics by drug retail enterprises
47			Provincial department of agriculture and rural affairs	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
48			Provincial department of commerce	Responsible for project organization, coordination, supervision and management to implement healthy market trials and realize the expected objectives
50			Haikou Customs	Responsible for project organization, coordination, supervision and management, preventing the cross-border dissemination of animal and plant epidemics, and strengthening animal and plant quarantine capacity of ports
51			Municipal governments	Responsible for project organization, coordination, supervision and management in cities of Hainan Province, and ensuring that relevant tasks are performed and the expected objectives are realized
52			Provincial department of justice	Assessing regulations and normative documents comprehensively, and formulating sound “one health” regulations suited to the Hainan free trade port as soon as possible
53			Provincial department of transport	Responsible for project organization, coordination, supervision and management in cities of Hainan Province, and ensuring that relevant tasks are performed and the expected objectives are realized
54			Provincial department of emergency management	Punishing work safety violations, participating in the investigation of safety accidents, and handling grievances from the public
55			Provincial department of education	Conducting “one health” education and one health literacy campaign, and offering education reform training on the “one health” concept
56			Ethnic and religious affairs commissions	Protecting and managing the rights and interests of minority residents
57			Provincial department of natural resources and planning	Approving land uses, including regulatory land planning for environmental sanitation facilities, preliminary construction land review, and site selection

No.	Component / subcomponent		Type	Stakeholder	Role (impact by / on the Project)
58				Human resources and social security bureaus	Protecting, managing and training on the rights and interests of workers and poor residents
59				Design and consulting agencies (e.g., FS and EIA agencies)	Learning needs of stakeholders to optimize the design
60				Women's federations	Protecting and managing the rights and interests of local women
61				Contractors	Notifying issues related to stakeholder engagement to the owner, working closely with the owner, handling grievances arising from construction under the direction of the owner, and preparing, disclosing and implementing various plans
62			Vulnerable groups	Old people	Low immunity group, potential frequent users of antibiotics, reducing negative impacts of the antibiotic restriction policy, and receiving alternative drugs
63				Left-behind children	Low immunity group, sensitive to antibiotics, short of supervision over drug use and infectious disease prevention
64				Infectious disease patients	Low immunity group, relying heavily on drugs, and reducing negative impacts of the antibiotic restriction policy without affecting subsequent treatment
65				Low-income residents	Enjoying health poverty alleviation and preferential policies, benefiting equally without being excluded, and not affected in income by the antibiotic restriction policy
66				Seasonal floating population	Reducing the probability of infection, receiving equal local public health services, reducing medical procedures and expenses, and improving health security for seasonal tourists to Hainan
67				Sub-project 3: System and qualified personnel development	3.1 Cross-sectoral coordination mechanism for One Health; 3.2 Development, revision and improvement of One Health related laws and regulations; 3.3 Establishment and development of One Health research institute
68	Stockbreeding companies or large-scale breeders	Massive antibiotic producers and emitters; improving the whole-process regulation of aquaculture to reduce viral infection			
69	Animal and plant inspection and quarantine workers	Changing the past workstyle; strengthening inspection and quarantine, improving the professionalism of staff, and improving management systems, and inspection and quarantine equipment			
70	Wild animal protection and testing workers	Comprehensive ban on the eating of wild animals clearly, cracking down on illegal wild animal trading severely, changing the past workstyle, and improving the capacity to prevent, treat and cope with infectious diseases			

No.	Component / subcomponent	Type	Stakeholder	Role (impact by / on the Project)	
71	3.4 One Health international and domestic cooperation and academic exchanges; 3.5 Research and application of economic evaluation techniques for One Health projects; 3.6 Research and application of One Health assessment system; 3.7 One Health training		Healthy market transport, vendors and disinfection workers	Establishing sounder industry management systems and standards; further improving the working environment, and receiving scientific and normative system training; increasing income; extending project pilot outcomes	
72			Key laboratory researchers	Improving facilities, equipment and the working environment, receiving rich scientific research resources and professional training, and extending project pilot outcomes	
73			Quarantine center security guards	Receiving more professional training, further improving work support, and reducing the probability of infection	
74			Public medical institution workers	Changing the past workstyle, improving medical proficiency and emergency response capacity, increasing training and education opportunities, and enhancing welfare	
75			International transport workers	Changing the past workstyle, and improving the capacity to prevent, treat and cope with infectious diseases during international transport	
76			Urban waste collection and treatment workers	Changing the past workstyle, improving health security during waste collection and treatment, and reducing the probability of infection	
77			Border control agents	Changing the past workstyle, and improving the capacity to prevent, treat and cope with infectious diseases during boundary control	
78			Other interested parties	HPDRC	Responsible for project initiation and approval, taking the lead in coordinating agencies, and preparing relevant plans and standards. Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
79				Provincial market regulation bureau	Responsible for market regulation and comprehensive law enforcement
80				Provincial forestry bureau	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
81				Provincial department of ecology and environment	Approving EIA documents for construction projects according to its authority
82				Provincial health commission	Preventing and treating infectious diseases in general, and giving education and training on public health emergencies
83				Provincial big data bureau	Managing public data resources, and coordinating the integration, sharing, opening and application of public data resources

No.	Component / subcomponent	Type	Stakeholder	Role (impact by / on the Project)
84			Provincial medical products administration	Regulating drugs under the Project, and the whole process of circulation and use of antibiotics by drug retail enterprises
85			Provincial department of agriculture and rural affairs	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
86			Provincial department of commerce	Responsible for project organization, coordination, supervision and management to implement healthy market trials and realize the expected objectives
			Provincial Department of Science and Technology	Responsible for project organization, coordination, supervision and management to implement healthy market trials and realize the expected objectives
88			Haikou Customs	Responsible for project organization, coordination, supervision and management, preventing the cross-border spread of animal and plant epidemics, and strengthening animal and plant quarantine capacity of ports
89			Municipal governments	Responsible for project organization, coordination, supervision and management in cities of Hainan Province, and ensuring that relevant tasks are performed and the expected objectives are realized
90			Provincial department of justice	Assessing regulations and normative documents comprehensively, and formulating sound one health regulations suited to the Hainan free trade port
91			Provincial department of transport	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized
92			Provincial department of emergency management	Punishing work safety violations, participating in the investigation of safety accidents, and handling grievances from the public
93			Provincial department of education	Conducting one health education and one health literacy campaign, and offering education reform training on the "one health" concept
94			Ethnic and religious affairs commissions	Protecting and managing the rights and interests of minority residents
95			Provincial natural resources department	Approving land uses, including regulatory land planning for environmental sanitation facilities, preliminary construction land review, and site selection
96			Human resources and social security bureaus	Protecting, managing and training on the rights and interests of workers and poor residents

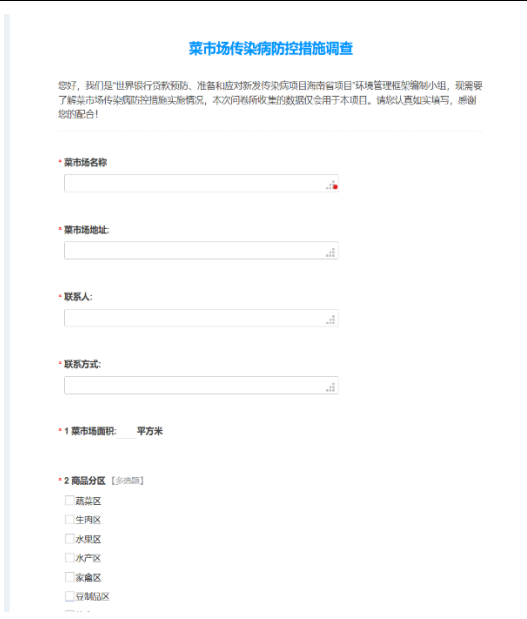





No.	Component / subcomponent		Type	Stakeholder	Role (impact by / on the Project)
97			Vulnerable groups	Local media	Conducting publicity and education on the “one health” concept, and pandemic and environmental risks
98				Old people	Low immunity group, potential frequent users of antibiotics, in need of reducing negative impacts of the antibiotic restriction policy, and receiving alternative drugs
99				Left-behind children	Low immunity group, sensitive to antibiotics, short of supervision over drug use and infectious disease prevention
100				Infectious disease patients	Low immunity group, relying heavily on drugs, and in need of reducing negative impacts of the antibiotic restriction policy without affecting subsequent treatment
101				Low-income residents	Enjoying health poverty alleviation policies and preferences, benefiting equally without being excluded, and not affected in income by the antibiotic restriction policy
102				Seasonal floating population	Reducing the probability of infection, receiving equal local public health services, reducing medical procedures and expenses, and improving health security for seasonal tourists to Hainan
103				Sub-project 4: Project management, supervision and evaluation	4.1 Project management; 4.2 Supervision and evaluation; 4.3 Pre-project management; 4.4 Project preparation costs
104	Provincial forestry bureau	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized			
105	Provincial department of agriculture and rural affairs	Responsible for project organization, coordination, supervision and management, and ensuring that relevant tasks are performed and the expected objectives are realized			
106	Provincial market regulation bureau	Responsible for market regulation and comprehensive law enforcement			
107	Provincial department of commerce	Responsible for project organization, coordination, supervision and management to implement “healthy market” trials and realize the expected objectives			
108	Haikou Customs	Responsible for project organization, coordination, supervision and management, preventing the cross-border spread of animal and plant epidemics, and strengthening animal and plant quarantine capacity of ports			
110	Other interested parties	WB Hainan PMO	Managing the Project on behalf of the Hainan Provincial Government, communicating with the Bank, and ensuring project implementation and operation		
111		HPDRC	Responsible for project initiation and approval, taking the lead		

No.	Component / subcomponent		Type	Stakeholder	Role (impact by / on the Project)
					in coordinating agencies, and preparing relevant plans and standards
112				Consultants	Learning needs of stakeholders to optimize the design, and supervising and evaluating project effectiveness

Appendix 2 Sample Grievance Redress Form

Internal No.	
Appellant's contact information	Name / anonymous
	Telephone:
	E-mail: Address:
Grievance	
Date of receipt	
Action taken	
Satisfied with the solution?	Yes No
Date of solution	
Is subsequent monitoring necessary?	
Suggestion to avoid similar occurrences	

Appendix 3 Stakeholder Engagement Records

 <p>菜市场传染病防控措施调查</p> <p>您好，我们是世界银行贷款项目的、准备和应对新发传染病项目海南省项目“环境管理框架编制小组，现需要了解菜市场传染病防控措施实施情况，本次问卷调查的数据仅会用于本项目。请您认真如实填写，感谢您的配合！</p> <p>* 菜市场名称 <input type="text"/></p> <p>* 菜市场地址 <input type="text"/></p> <p>* 联系人: <input type="text"/></p> <p>* 联系方式: <input type="text"/></p> <p>* 1 菜市场面积: 平方米</p> <p>* 2 商品分区: [多选题]</p> <p><input type="checkbox"/> 蔬菜区 <input type="checkbox"/> 生肉区 <input type="checkbox"/> 水果区 <input type="checkbox"/> 水产区 <input type="checkbox"/> 家禽区 <input type="checkbox"/> 豆制品区</p> <p>Online questionnaire survey on farmers' market infectious disease prevention and control</p>	 <p>抗生素、抗菌药使用调查-畜禽养殖行业</p> <p>您好，我们是世界银行贷款项目的、准备和应对新发传染病项目海南省项目“环境管理框架编制小组，现需要了了解畜禽养殖业的抗生素使用情况，本次问卷调查的数据仅会用于本项目。请您认真如实填写，感谢您的配合！</p> <p>* 养殖场名称 <input type="text"/></p> <p>* 养殖场地址 <input type="text"/></p> <p>* 联系人: <input type="text"/></p> <p>* 联系方式: <input type="text"/></p> <p>* 1 养殖面积: 公顷</p> <p>* 2 养殖物种及年产量: [多选题]</p> <p><input type="checkbox"/> 鸡 <input type="checkbox"/> 鸭 <input type="checkbox"/> 猪 <input type="checkbox"/> 牛 <input type="checkbox"/> 羊 <input type="checkbox"/> 兔</p> <p>Online questionnaire survey on the stockbreeding industry</p>
 <p>Key informant interview at a farmers' market</p>	 <p>FGD at the Dongzhaigang Nature Reserve Authority</p>
 <p>FGD with agencies concerned in Haikou City</p>	 <p>Interview at the Vegetable Basket Jiangnan Agricultural Wholesale Market</p>