



EWATER CORPORATION

No 04, 50 Street, Binh Trung Dong Ward,
Thu Duc City, Ho Chi Minh City, Viet Nam

COMPANY PROFILE



1. DETAIL INFORMATION OF CONSULTING UNIT

- Company name: EWATER CORPORATION
- Abbreviation: EWATER
- Address: No. 04, 50 Street, Binh Trung Dong Ward, Thu Duc City, Ho Chi Minh City, Viet Nam
- Tel: 028 2210 9676
- Email: ewater.corp@gmail.com

2. GENERAL INTRODUCTION

EWATER Joint Stock Company (EWATER) was established under the laws of Vietnam. EWATER is a legal entity with its own seal. EWATER's head office is located in Ho Chi Minh City.

EWATER provides a wide range of consulting services to support water extraction and distribution for agricultural development, aquaculture and research and assessment of water quality in several provinces, cities and river basins. In particular, EWATER focuses on setting up simulation tools for water resources such as floods, droughts and saline intrusion; it focuses on developing forecasts of rain and runoff in rivers and river basins. EWATER has worked with public and private clients in Ho Chi Minh City and other provinces, including Mekong Delta provinces and Central Highlands provinces. EWATER has worked with several clients countries like MONRE, MARD. We have also worked with international organizations, including WB, ADB, MRC, JICA,...

EWATER has a research and consulting team with experience in providing services in water resource development, including lakes, dams, rivers, disaster prevention, water supply and drainage, irrigation systems, waste management and environment.

With 30 full-time and 50 part-time employees, EWATER is focused on developing technical capabilities to meet the needs of our partners. Therefore, we prioritize the partners' satisfaction through advanced technology, quality, and service.

3. SPECIALIZATION

EWATER operates in the following areas:

- Bidding consultancy, investment project formulation. Making technical design - estimate. Consultancy, inspection, supervision and appraisal of project quality.
- Construction consultancy, design of civil and industrial construction, Design of traffic works. Design irrigation works, water supply and drainage and wastewater treatment.

- Consulting in activities on water resources, environment, hydrometeorology and climate change. Investigate, collect, evaluate, plan, develop solutions, make planning on water resources and plan on environmental protection. Performing services on environmental pollution forecasting, environmental impact assessment, environmental assessment strategic school.
- Consulting, appraising, researching, applying and transferring scientific and technical advances in the field of water resources and environment.
- Mapping water resources, building mathematical and physical models to calculate flow, material propagation in river systems and aquifers.
- Surveying, surveying topography, maps. Measurement of environmental parameters, environmental monitoring services.
- Building database of geographic information system GIS. Building specialized databases in the fields of environment, water resources, hydrometeorology and climate change.

4. COMPANY ORGANIZATION CHART

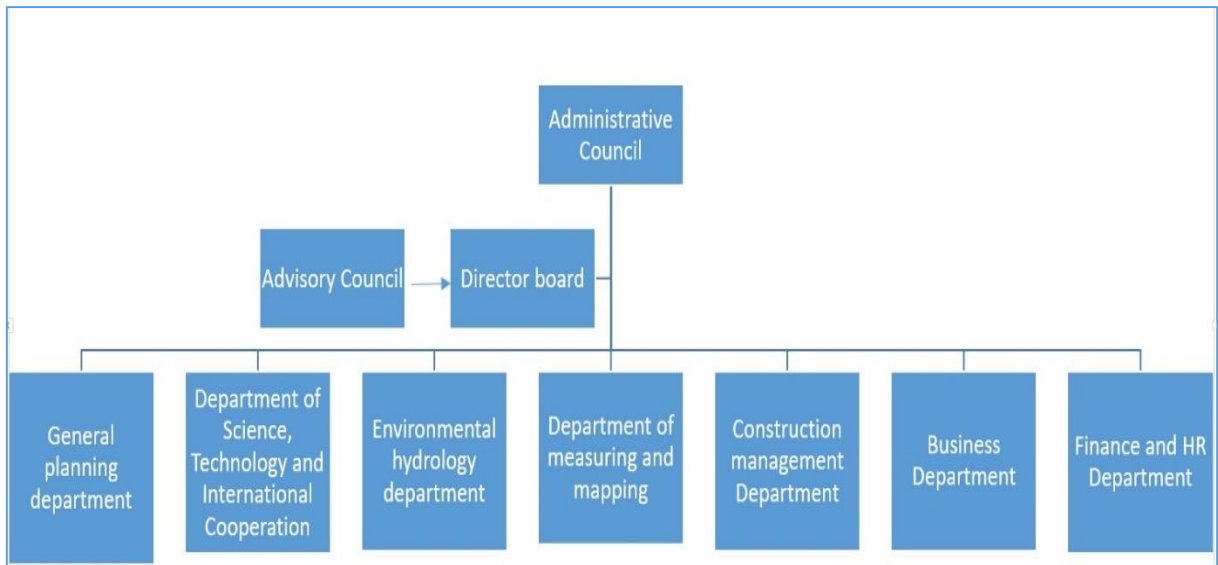


Figure 1. EWATER organization chart

5. SIMILAR CONTRACT

No.	Similar projects	Location	Investor	Capital	Time
1	Integrated resilient development project Quang Nam province	Quang Nam	Project Managem ent Unit of Transport Constructi on Work	WB	2023
2	Developing scenarios, flood resilience maps, and relocation plans due to tropical depression affecting Ho Chi Minh City	Ho Chi Minh City	DARD	State budget	2022
3	Flood Risk Management Study for Thu Duc City	Thu Duc City	WB	WB	2022
4	Consultancy on setting up operation and maintenance procedures for building systems (O&M) under the project "Integrated climate resilience and sustainable livelihoods in the Mekong Delta" - Subproject to strengthen adaptability and Water management for the upstream area of the Mekong River, An Phu district, An Giang province	An Giang	An Giang province	WB	2022
5	Developing standard operating procedures (SOPs) under the project of Investment in building a network of monitoring and monitoring water resources and strengthening the coordination of inter-reservoir operations in the Vu Gia - Thu Bon river basin and Ca river basin under component 2: Dam safety management, project "repair and improve dam safety" (WB8)	Central Part	General Departmen t of Hydromete orology	WB	2021
6	Inspect and review locations at risk of landslides in the City in 2021	HCM city	Ho Chi Minh City	State budget	2021
7	Update the map of key locations and safe places to evacuate people when natural disasters occur in the City in 2021	HCM city	Ho Chi Minh City	State budget	2021
8	Consulting services under the project "Long An province planning period 2021-2030, vision to 2050"	Long An	Developm ent Strategy Institute	State budget	2021
9	Development of Tien Giang province master plan 2021 to 2030 with an outlook towards to 2050	Tien Giang city	DPI	State budget	2021
10	Development of Hau Giang province master plan 2021 to 2030 with an outlook towards to 2050	Hau Gaing city	DPI	State budget	2021
11	Development of Can Tho city master plan 2021 to 2030 with an outlook towards to 2050	Can Tho city	DPI	State budget	2021
12	GEF_CPMU_CS_CQS_07 Operation management manual of O Mon - Xa No system	Mekong Delta	CPO	WB	2021
13	Developing scenarios, flood resilience maps, and relocation plans due to heavy storms affecting Ho Chi Minh City	Ho Chi Minh City	DARD	State budget	2020
14	Planning the Mekong Delta region in the period of 2021 - 2030, with a vision to 2050	Mekong Delta	Ministry of Planning and Investment	WB	2019
15	Develop provincial disaster prevention plans associated with integrated flood management in a number of river basins in the South Central Coast and Central Highlands	South Central Coast and Central Highlands	General Departmen t of Disaster Prevention	WB	2020

No.	Similar projects	Location	Investor	Capital	Time
16	Review of Existing Design, Prepare Conceptual Design, Basic Design and Operation Process of Canal System	Long An	Nam Long Investment Joint Stock Company	Private	2019
17	Establishment of work operation scenarios according to TCVN 8412:2010 - Project on Establishment of Operation Procedures for Irrigation System Cái Lớn – Cái Bé	Mekong Delta	Department of climate change	WB	2020
18	Implemented the bidding package "Establishing O&M operation process under the project: Sub-project 10: Investing in building infrastructure for protection and development of ecological forests, improving livelihoods, adapting to climate change in Hoa Binh district, Dong Hai district and Bac Lieu city"	Bac Lieu	Department of climate change	WB	2020
19	Develop scenarios, maps for flood response and plans to relocate people due to strong storms affecting Ho Chi Minh City area	HCM City	Irrigation Sub-Department HCM City	State budget	2020
20	Actual survey at dyke routes/sections, location of erosion to sea dyke system, sea dyke auxiliary works, protection works and mangrove forest system to protect sea dyke west sea dyke in An district Minh, An Bien, Chau Thanh, City. Rach Gia, Hon Dat, Kien Luong, Kien Giang province	Kien Giang	Department of climate change	State budget	2019
21	Topographical survey of Dinh river for preparation of feasibility study report for construction investment: Dredging, clearing Dinh river flow (section from Song Dinh 2 dam (Do dam) to Dien Bien Phu bridge)	Vung Tau	98 Construction Consulting Co., Ltd	State budget	2019
22	Consulting Surveying, designing construction drawings and costing estimates for the Can Giuoc river bank erosion treatment project, Can Giuoc district, Long An province	Long An	Department of climate change	State budget	2018
23	Prepare reports on the assessment of the impact of landslides on the lives of residential areas along the Tien and Hau rivers to serve the bidding package for consulting survey, assessment and proposal for redeployment of population along rivers and canals in some areas. key position	Mekong	Department of climate change	State budget	2018
24	Preparation of topographic survey reports for Survey Consulting Project, making economic and technical reports for subprojects of upgrading infrastructure of rice production areas in Hau My Bac B commune, Cai Be district, Tien Giang province.	Tien Giang	Dai Phat Consulting, Design and Trading Service Co., Ltd	State budget	2018
25	Development of a decision support system (DSS) for the SeSan and Srepok river basins	Central Highlands	MRC	WB	2018
26	Consulting on hydraulic calculation of water quality. Project to strengthen capacity for water environment management in Dong Nai River basin	Dong Nai Basin	ENTEC	JICA	2017

6. LIST OF KEY PERSONNEL OF MODELING FOR THU DUC CITY

Names	Position
Mr. Pham The Vinh	Team leader of Modeling
Mr. Nguyen Dang Luan	Hydraulic expert
Mr. Le Van Quyen	Hydrologist
Ms. Tran Thi Thu Huong	GIS expert
Mr. Tran Dai Hai	Hydraulic expert

CVs of each member are attached on the following pages

FORM TECH-6
CURRICULUM VITAE (CV)

Position Title and No.	Team Leader of Modeling
Name of Expert:	Pham The Vinh
Date of Birth:	July 25 th , 1975
Country of Citizenship/Residence	Vietnamese

Education:

Degree	School, college and/or University Attended	Specialize	Time of study	Mode of study
Bachelor	Water Resources University, Ha Noi, Vietnam	Water Resources Engineering	1993-1998	Full-time
Master	Ho Chi Minh city University of Technology	Hydraulic Works	2006-2008	Full-time
Ph.D.	Southern Institute of Water Resources and Research	Water Resources Engineering	2013-2021	

Other Relevant Training: Mike11 HD, AD, WQ, MIKE21, MIKE FLOOD, MIKE21C. MIKE BASIN, NAM Modeling

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
07/2018-now	EWATER Coporation	Vietnam	Expert
07/2017-now	SIWRR	Vietnam	Director of CESTE
2014-07/2017	SIWRR	Vietnam	Deputy director of CESTE
2009-2014	SIWRR	Vietnam	Deputy director of Water resource center
2003-2009	SIWRR	Vietnam	Researcher
1998-2003	SIWRP	Vietnam	Researcher

Language Skills (indicate only languages in which you can work):

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Vietnamese	Native	Native	Native
English	Good	Good	Good

Similar projects participated:

No	Name of project	Year	Location	Client	Consultant	Position
1	Integrated resilient development project Quang Nam province	2023	Quang Nam	Project Management Unit of Transport Construction Work	EWATER	Team Leader of Modeling
2	Developing scenarios, flood resilience maps, and relocation plans due to tropical depression affecting Ho Chi Minh City	2022	Ho Chi Minh City	DARD	EWATER	Team Leader of Modeling

No	Name of project	Year	Location	Client	Consultant	Position
3	Flood Risk Management Study for Thu Duc City	2022	Thu Duc City	WB	EWATER	Team Leader of Modeling
4	Consultancy on setting up operation and maintenance procedures for building systems (O&M)	2022	An Giang	DARD	EWATER	Project manager/ Team Leader of Modeling
5	Inspect and review locations at risk of landslides in the City in 2021	2021	Ho Chi Minh City	DARD	EWATER	Project Manager
6	Update the map of key locations and safe places to evacuate people when natural disasters occur in the City in 2021	2021	Ho Chi Minh City	DARD	EWATER	Project Manager
7	Developing standard operating procedures (SOPs)	2021	Vu Gia – Thu Bon	General Department of Hydrology	EWATER	Team Leader of Modeling
8	Development of Tien Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Tien Giang city	DPI	EWATER	Team Leader of Modeling
9	Development of Hau Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Hau Gaing city	DPI	EWATER	Team Leader of Modeling
10	Development of Can Tho city master plan 2021 to 2030 with an outlook towards to 2050	2021	Can Tho city	DPI	EWATER	Team Leader of Modeling
11	Operational management manual for O Mon - Xa No irrigation system	2021	Mekong	CPO	EWATER	Project manager/ Team Leader of Modeling
12	Develop a provincial disaster prevention plan in combination with integrated flood management for some river basins in the South Central Coast and Central Highlands	2020	South Central Coast	Vietnam Natural Disaster Management Author	EWATER	Team Leader of Modeling
13	Building operating procedures of Cai Lon-Cai Be irrigation system, phase 1	2020	Mekong	MARD	SIWRR	Deputy Project manager/ Team Leader of Modeling
14	Developing scenarios, flood resilience maps, and relocation plans due to heavy storms affecting Ho Chi Minh City	2020	Ho Chi Minh City	DARD	SIWRR	Team Leader of Modeling

No	Name of project	Year	Location	Client	Consultant	Position
15	Global Future Cities HCMC Resilience Intervention-Developing GIS system for HCMC Drainage System, Vietnam	2020	Ho Chi Minh City	Mott MacDonald	SIWRR	Team Leader of Modeling
16	Research and propose overall solutions to improve and protect the water environment for sustainable development of the Mekong Delta	2019	Mekong	MOST	SIWRR	Project manager
17	Development of Vietnam Mekong Delta master plan to 2030 with an outlook towards to 2050 (MPI- PMU-SC01-QCBS)	2019	Mekong	WB	EWATER	Team Leader of Modeling
18	Review of existing design and making conceptual design, basic design and operation procedures of Nam Long canal system	2019	Ho Chi Minh City	Nam Long group	EWATER	Team Leader of Modeling
19	Vinh Long Urban Development and Climate Resilience Project	2019	Vinh Long	WB	SIWRR	Team Leader of Modeling
20	Mekong Urban Climate Resilience Development Project	2019	Tra Vinh	WB	SIWRR	Team Leader of Modeling
21	Ho Chi Minh City Wastewater and Drainage System Improvement Project - Feasibility Study Report - Topographical survey and Hydraulic modelling for Tham Luong – Ben Cat basin	2019	Ho Chi Minh City	ADB	SIWRR	Team Leader of Modeling
22	Survey consultancy, hydraulic models' experiment, prepare construction drawing designs and cost estimates for the project: Building saline prevention dam on Cai Nha Trang river	2019	Nha trang City	Khanh Hoa Development Project Management Unit	SIWRR	Team Leader of Modeling
23	Constructing and installing equipment; upgrading models for early warning system for Luy river basin	2019	Binh Thuan province	Project Management Board of Integrated Water Resources Management	SIWRR	Team Leader of Modeling
24	Development of the Decision Support System (DSS) for Sesan and Srepok River Basins	2018	Sesan and Srepok	MRC	EWATER	Team Leader of Modeling

No	Name of project	Year	Location	Client	Consultant	Position
			River Basins			
25	Consultancy on operational and regulation process of inter-reservoir in Dong Nai river basin in the flood season	2018	Dong Nai river	MARD	SIWRR	Project manager
26	Consultancy for hydraulic modeling Enhancing Resilience of Mekong Delta Region Secondary Cities Grant support to the proposed Scaling up Urban Upgrading Project (SUUP)	2017	Mekong	WB	SIWRR	Team Leader of Modeling
27	Consultanting on onstruction survey and making feasibility study for Cay Kho tidal control sluice under the project: "Solving flood caused by tides in HCMC area with consideration of climate change (phase 1)	2017	Ho Chi Minh City	Trung Nam Company BT1547	SIWRR	Team Leader of Modeling
28	Technical consultant to develop hydraulic and hydrology model of Dinh river and drainage model in Phan Rang - Thap Cham city, Ninh Thuan province in relation to climate change of the project	2017	Ninh Thuan province	ODA Department of Ninh Thuan Province	SIWRR	Team Leader of Modeling
29	Development Operational Regulation for Long Xuyen Quadrangle	2016	Mekong	GIZ	SIWRR	Team Leader of Modeling
30	Cantho urban development and Resilient Project	2016	Can Tho City	ODA fund (WB)	SIWRR	Team Leader of Modeling
31	Impact Evaluation of Full-Dyke System to the Flow Regime in the Flood Prone Area of the Mekong Delta	2014	Mekong	JICAS	SIWRR	Team Leader of Modeling
32	Flood control planning for Camau City	2013	Ca Mau	DARD	SIWRR	Team Leader of Modeling
33	Detailed water resources planning for An Giang, Vietnam	2012	An Giang	DARD	SIWRR	Team Leader of Modeling
34	Investigating the current status of dykes, embankments, works in the flooded areas of the Mekong Downstream	2011	Mekong	MARD	SIWRR	Team Leader of Modeling

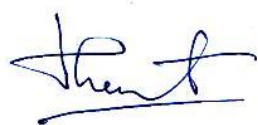
No	Name of project	Year	Location	Client	Consultant	Position
35	Flood and Inundation Management for Ho Chi Minh City	2011	Ho Chi Minh City	WB	Royal Haskoning	Hydraulic expert
36	Dredging channels, sinking central pond and new channels in Thu Thiem new urban area, Ho Chi Minh City	2011	Ho Chi Minh City	Investment & Construction Authority of Thu Thiem New Urban Area	SIWRR	Team Leader of Modeling
37	Hydraulic calculation for all Flood control projects in Ho Chi Minh City	2010	Ho Chi Minh City	MARD	SIWRR	Project manager/ Team Leader of Modeling
38	Flood control planning for Ho Chi Minh City	2009	Ho Chi Minh City	MARD	SIWRR	Team Leader of Modeling

Expert's contact information: (e-mail: vinhsiwrr@gmail.com, phone 0913.607.775)

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

20/02/2023



Pham The Vinh

FORM TECH-6
CURRICULUM VITAE (CV)

Position Title and No.	Hydraulic expert
Name of Expert:	Nguyen Dang Luan
Date of Birth:	11 st April, 1988
Country of Citizenship/Residence	Vietnamese

Education:

<u>School, college and/or University Attended</u>	<u>Degree/certificate or other specialized education obtained</u>	<u>Date Obtained</u>
Southern Water Resources University, HoChiMinh, Vietnam	Bachelor of Hydrology Engineering	2011
Hochiminh City University of Technology, Vietnam.	M.E. Hydraulics Engineering	2019

Other Relevant Training: Mike11 HD, AD, WQ, MIKE21, MIKE FLOOD, MIKE21C. MIKE BASIN, NAM Modeling

Employment Record:

From: 2018	to: Now
Employer	Minh Long Environment and Water Resources Consultant Company Limited
Position held and description of duties	Expert

From: 2011	to: Now
Employer	Southern Institute of Water Resources Research, Vietnam
Position held and description of duties	Researcher Hydraulic expert Researcher in the field of water resources

Language Skills (indicate only languages in which you can work):

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Vietnamese	Native	Native	Native
English	Good	Good	Good

Similar projects participated:

No	Name of project	Year	Location	Client	Consultant	Position
1	Integrated resilient development project Quang Nam province	2023	Quang Nam	Project Management Unit of Transport Construction Work	EWATER	Hydraulic expert
2	Developing scenarios, flood resilience maps, and relocation plans due to tropical depression affecting Ho Chi Minh City	2022	Ho Chi Minh City	DARD	EWATER	Hydraulic expert
3	Flood Risk Management Study for Thu Duc City	2022	Thu Duc City	WB	EWATER	Hydraulic expert
4	Consultancy on setting up operation and maintenance procedures for building systems (O&M)	2022	An Giang	DARD	EWATER	Hydraulic expert
5	Inspect and review locations at risk of landslides in the City in 2021	2021	Ho Chi Minh City	DARD	EWATER	Hydraulic expert
6	Update the map of key locations and safe places to evacuate people when natural disasters occur in the City in 2021	2021	Ho Chi Minh City	DARD	EWATER	Hydraulic expert

No	Name of project	Year	Location	Client	Consultant	Position
7	Developing standard operating procedures (SOPs)	2021	Vu Gia – Thu Bon	General Department of Hydrology	EWATER	Hydraulic expert
8	Development of Tien Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Tien Giang city	DPI	EWATER	Hydraulic expert
9	Development of Hau Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Hau Gaing city	DPI	EWATER	Hydraulic expert
10	Development of Can Tho city master plan 2021 to 2030 with an outlook towards to 2050	2021	Can Tho city	DPI	EWATER	Hydraulic expert
11	Operational management manual for O Mon - Xa No irrigation system	2021	Mekong	CPO	EWATER	Hydraulic expert
12	Develop a provincial disaster prevention plan in combination with integrated flood management for some river basins in the South Central Coast and Central Highlands	2020	South Central Coast	Vietnam Natural Disaster Management Author	EWATER	Hydraulic expert
13	Building operating procedures of Cai Lon-Cai Be irrigation system, phase 1	2020	Mekong	MARD	SIWRR	Hydraulic expert
14	Developing scenarios, flood resilience maps, and relocation plans due to heavy storms affecting Ho Chi Minh City	2020	Ho Chi Minh City	DARD	SIWRR	Hydraulic expert
15	Global Future Cities HCMC Resilience Intervention-Developing GIS system for HCMC Drainage System, Vietnam	2020	Ho Chi Minh City	Mott MacDonald	SIWRR	Hydraulic expert
16	Research and propose overall solutions to improve and protect the water environment for sustainable development of the Mekong Delta	2019	Mekong	MOST	SIWRR	Team Leader of Modeling
17	Development of Vietnam Mekong Delta master plan to 2030 with an outlook towards to 2050 (MPI-PMU-SC01-QCBS)	2019	Mekong	WB	EWATER	Hydraulic expert
18	Review of existing design and making conceptual design, basic design and operation procedures of Nam Long canal system	2019	Ho Chi Minh City	Nam Long group	EWATER	Hydraulic expert
19	Vinh Long Urban Development and Climate Resilience Project	2019	Vinh Long	WB	SIWRR	Hydraulic expert

No	Name of project	Year	Location	Client	Consultant	Position
20	Mekong Urban Climate Resilience Development Project	2019	Tra Vinh	WB	SIWRR	Hydraulic expert
21	Ho Chi Minh City Wastewater and Drainage System Improvement Project - Feasibility Study Report - Topographical survey and Hydraulic modelling for Tham Luong – Ben Cat basin	2019	Ho Chi Minh City	ADB	SIWRR	Hydraulic expert
22	Survey consultancy, hydraulic models' experiment, prepare construction drawing designs and cost estimates for the project: Building saline prevention dam on Cai Nha Trang river	2019	Nha trang City	Khanh Hoa Development Project Management Unit	SIWRR	Hydraulic expert
23	Constructing and installing equipment; upgrading models for early warning system for Luy river basin	2019	Binh Thuan province	Project Management Board of Integrated Water Resources Management	SIWRR	Hydraulic expert
24	Development of the Decision Support System (DSS) for Sesan and Srepok River Basins	2018	Sesan and Srepok River Basins	MRC	EWATER	Hydraulic expert
25	Consultancy on operational and regulation process of inter-reservoir in Dong Nai river basin in the flood season	2018	Dong Nai river	MARD	SIWRR	Team Leader of Modeling
26	Consultancy for hydraulic modeling Enhancing Resilience of Mekong Delta Region Secondary Cities Grant support to the proposed Scaling up Urban Upgrading Project (SUUP)	2017	Mekong	WB	SIWRR	Hydraulic expert
27	Consultanting on onstruction survey and making feasibility study for Cay Kho tidal control sluice under the project: "Solving flood caused by tides in HCMC area with consideration of climate change (phase 1)	2017	Ho Chi Minh City	Trung Nam Company BT1547	SIWRR	Hydraulic expert
28	Technical consultant to develop hydraulic and hydrology model of Dinh river and drainage model in Phan Rang - Thap Cham city, Ninh Thuan province in relation to	2017	Ninh Thuan province	ODA Department of Ninh Thuan Province	SIWRR	Hydraulic expert

No	Name of project	Year	Location	Client	Consultant	Position
	climate change of the project					
29	Development Operational Regulation for Long Xuyen Quadrangle	2016	Mekong	GIZ	SIWRR	Hydraulic expert
30	Cantho urban development and Resilient Project	2016	Can Tho City	ODA fund (WB)	SIWRR	Hydraulic expert
31	Detailed water resources planning for An Giang, Vietnam	2012	An Giang	DARD	SIWRR	Hydraulic expert
32	Investigating the current status of dykes, embankments, works in the flooded areas of the Mekong Downstream	2011	Mekong	MARD	SIWRR	Hydraulic expert
33	Dredging channels, sinking central pond and new channels in Thu Thiem new urban area, Ho Chi Minh City	2011	Ho Chi Minh City	Investment & Construction Authority of Thu Thiem New Urban Area	SIWRR	Hydraulic expert

Expert's contact information: (e-mail: dangluan68@gmail.com, phone: 0978351868)

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

20/02/2023

Nguyen Dang Luan

FORM TECH-6
CURRICULUM VITAE (CV)

Position Title and No.	Hydrologist
Name of Expert:	Le Van Quyen
Date of Birth:	February 23 rd , 1989
Country of Citizenship/Residence	Vietnamese

Education:

Degree	School, college and/or University Attended	Specialize	Time of study	Mode of study
Bachelor	Water Resources University, Ho Chi Minh City, Vietnam	Water Resources Engineering	2007-2011	Full-time
Master	Vietnamese German University, Vietnam	Water Technology, Reuse, and Management	2021-2023	Full-time, ongoing

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
02/2020-now	EWATER Corporation	Vietnam	Expert
2011-01/2020	SIWRP	Vietnam	Expert

Language Skills (indicate only languages in which you can work):

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Vietnamese	Native	Native	Native
English	Good	Good	Good

Similar projects participated:

No	Name of project	Year	Location	Client	Consultant	Position
1	Integrated resilient development project for Quang Nam province	2023	Quang Nam	Project Management Unit of Transport Construction Work	EWATER	Hydrologist
2	Developing scenarios, flood resilience maps, and relocation plans due to tropical depression affecting Ho Chi Minh City	2022	Ho Chi Minh City	DARD	EWATER	Hydrologist
3	Flood Risk Management Study for Thu Duc City	2022	Thu Duc City	WB	EWATER	Hydrologist
4	Consultancy on setting up operation and maintenance procedures for building systems (O&M)	2022	An Giang	DARD	EWATER	Hydrologist
5	Inspect and review locations at risk of landslides in the City in 2021	2021	Ho Chi Minh City	DARD	EWATER	Hydrologist

No	Name of project	Year	Location	Client	Consultant	Position
6	Update the map of key locations and safe places to evacuate people when natural disasters occur in the City in 2021	2021	Ho Chi Minh City	DARD	EWATER	Hydrologist
7	Developing standard operating procedures (SOPs)	2021	Vu Gia – Thu Bon	General Department of Hydrology	EWATER	Hydrologist
8	Development of Tien Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Tien Giang province	DPI	EWATER	Hydrologist
9	Development of Hau Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Hau Giang province	DPI	EWATER	Hydrologist
10	Development of Can Tho city master plan 2021 to 2030 with an outlook towards to 2050	2021	Can Tho city	DPI	EWATER	Hydrologist
11	Operational management manual for O Mon - Xa No irrigation system	2021	Vietnam Mekong Delta	CPO	EWATER	Hydrologist
12	Develop a provincial disaster prevention plan in combination with integrated flood management for some river basins in the South-Central Coast and Central Highlands	2020	South Central Coast	Vietnam Natural Disaster Management Author	EWATER	Hydrologist
13	Investigating, evaluating, proposing solutions to protect the coast, consolidate and upgrade sea dikes in the Mekong Delta	2019	Vietnam Mekong Delta	MARD	SIWRP	Hydrologist
14	Water Resources planning to prevent flooding for big cities in the Mekong Delta (except Can Tho city, Vinh Long city and Ca Mau city) and surroundings	2018	Vietnam Mekong Delta	MARD	SIWRP	Hydrologist
15	Adjusting Water Resources Planning in Dong Thap Province up to 2020, orient to 2030	2016	Dong Thap province	DARD of Dong Thap province	SIWRP	Hydrologist
16	Reviewing Water Resources Planning for restructure agriculture in Mekong Delta	2015	Vietnam Mekong Delta	General Directorate of Water resources	SIWRP	Hydrologist
17	Detail plan of electricity pumping station in Hau Giang province to 2020	2014-2015	Hau Giang province	DARD of Hau Giang province	SIWRP	Hydrologist

No	Name of project	Year	Location	Client	Consultant	Position
18	Water Resources Planning for serving aquaculture and sustainable agricultural development in the coastal Mekong Delta	2014-2015	Coastal areas of the Mekong Delta	MARD	SIWRP	Hydrologist
19	Reviewing the seadyke system plan from Quang Ngai province to Kien Giang province	2013-2016	Vietnam Mekong Delta	General Directorate of Water resources	SIWRP	Hydrologist
20	Water Resources Planning of Hau Giang Province	2012-2013	Hau Giang Province	DARD of Hau Giang province	SIWRP	Hydrologist
21	Update and Improvement of Irrigation Database for the Agriculture and Irrigation Programme (AIP)	2012-2013	Vietnam Mekong Delta	Mekong River Commission	SIWRP	Hydrologist
22	Reviewing, adjusting Water Resources Planning for social – economic development of Phu Quoc Island, Kien Giang Province	2012-2013	Kien Giang Province	DARD of Kien Giang Province	SIWRP	Hydrologist
23	Reviewing Water Resources Planning for Critical Economical Area of the Mekong Delta	2011-2012	Vietnam Mekong Delta	MARD	SIWRP	Hydrologist
24	Water resources Plan for production conversion of Long An Province up to 2020	2011-2012	Long An Province	DARD of Long An Province	SIWRP	Hydrologist
25	Plan of the August-dike in Dong Thap Muoi of Long An Province up to 2020	2011-2012	Long An Province	DARD of Long An Province	SIWRP	Hydrologist

Expert's contact information: (e-mail: quyenlv0223@gmail.com, phone 0386.687.582)

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

20/02/2023

Le Van Quyen

FORM TECH-6
CURRICULUM VITAE (CV)

Position Title and No.	GIS expert
Name of Expert:	Tran Thi Thu Huong
Date of Birth:	September 27 th , 1986
Country of Citizenship/Residence	Vietnamese

Education:

<u>School, college and/or University Attended</u>	<u>Degree/certificate or other specialized education obtained</u>	<u>Date Obtained</u>
Open University	Bachelor of Biology	2008
Ho Chi Minh City University of Technology	Master of Environmental Engineering	2020

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
2009- now	SIWRR	Vietnam	Researcher
2018-now	EWATER	Vietnam	GIS expert

Language Skills (indicate only languages in which you can work):

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Vietnamese	Native	Native	Native
English	Good	Good	Good

Similar projects participated:

No	Name of project	Year	Location	Client	Consultant	Position
1	Developing scenarios, flood resilience maps, and relocation plans due to tropical depression affecting Ho Chi Minh City	2022	Ho Chi Minh City	DARD	EWATER	GIS expert
2	Flood Risk Management Study for Thu Duc City	2022	Thu Duc City	WB	EWATER	GIS expert
3	Consultancy on setting up operation and maintenance procedures for building systems (O&M)	2022	An Giang	DARD	EWATER	GIS expert
4	Inspect and review locations at risk of landslides in the City in 2021	2021	Ho Chi Minh City	DARD	EWATER	GIS expert
5	Update the map of key locations and safe places to evacuate people when natural disasters occur in the City in 2021	2021	Ho Chi Minh City	DARD	EWATER	GIS expert
6	Developing standard operating procedures (SOPs)	2021	Vu Gia – Thu Bon	General Department of Hydrology	EWATER	GIS expert
7	Development of Tien Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Tien Giang city	DPI	EWATER	GIS expert

No	Name of project	Year	Location	Client	Consultant	Position
8	Development of Hau Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Hau Gaing city	DPI	EWATER	GIS expert
9	Development of Can Tho city master plan 2021 to 2030 with an outlook towards to 2050	2021	Can Tho city	DPI	EWATER	GIS expert
10	Operational management manual for O Mon - Xa No irrigation system	2021	Mekong	CPO	EWATER	GIS expert
11	Develop a provincial disaster prevention plan in combination with integrated flood management for some river basins in the South Central Coast and Central Highlands	2020	South Central Coast	Vietnam Natural Disaster Management Author	EWATER	GIS expert
12	Building operating procedures of Cai Lon-Cai Be irrigation system, phase 1	2020	Mekong	MARD	SIWRR	GIS expert
13	Developing scenarios, flood resilience maps, and relocation plans due to heavy storms affecting Ho Chi Minh City	2020	Ho Chi Minh City	DARD	SIWRR	GIS expert
14	Global Future Cities HCMC Resilience Intervention-Developing GIS system for HCMC Drainage System, Vietnam	2020	Ho Chi Minh City	Mott MacDonald	SIWRR	GIS expert
15	Research and propose overall solutions to improve and protect the water environment for sustainable development of the Mekong Delta	2019	Mekong	MOST	SIWRR	GIS expert
16	Development of Vietnam Mekong Delta master plan to 2030 with an outlook towards to 2050 (MPI-PMU-SC01-QCBS)	2019	Mekong	WB	EWATER	GIS expert
17	Review of existing design and making conceptual design, basic design and operation procedures of Nam Long canal system	2019	Ho Chi Minh City	Nam Long group	EWATER	GIS expert
18	Vinh Long Urban Development and Climate Resilience Project	2019	Vinh Long	WB	SIWRR	GIS expert
19	Mekong Urban Climate Resilience Development Project	2019	Tra Vinh	WB	SIWRR	GIS expert

No	Name of project	Year	Location	Client	Consultant	Position
20	Ho Chi Minh City Wastewater and Drainage System Improvement Project - Feasibility Study Report - Topographical survey and Hydraulic modelling for Tham Luong – Ben Cat basin	2019	Ho Chi Minh City	ADB	SIWRR	GIS expert
21	Survey consultancy, hydraulic models' experiment, prepare construction drawing designs and cost estimates for the project: Building saline prevention dam on Cai Nha Trang river	2019	Nha trang City	Khanh Hoa Development Project Management Unit	SIWRR	GIS expert
22	Constructing and installing equipment; upgrading models for early warning system for Luy river basin	2019	Binh Thuan province	Project Management Board of Integrated Water Resources Management	SIWRR	GIS expert
23	Development of the Decision Support System (DSS) for Sesan and Srepok River Basins	2018	Sesan and Srepok River Basins	MRC	EWATER	GIS expert
24	Consultancy on operational and regulation process of inter-reservoir in Dong Nai river basin in the flood season	2018	Dong Nai river	MARD	SIWRR	GIS expert
25	Consultancy for hydraulic modeling Enhancing Resilience of Mekong Delta Region Secondary Cities Grant support to the proposed Scaling up Urban Upgrading Project (SUUP)	2017	Mekong	WB	SIWRR	GIS expert
26	Consulting on onstruction survey and making feasibility study for Cay Kho tidal control sluice under the project: "Solving flood caused by tides in HCMC area with consideration of climate change (phase 1)	2017	Ho Chi Minh City	Trung Nam Company BT1547	SIWRR	GIS expert
27	Technical consultant to develop hydraulic and hydrology model of Dinh river and drainage model in Phan Rang - Thap	2017	Ninh Thuan province	ODA Department of Ninh Thuan Province	SIWRR	GIS expert

No	Name of project	Year	Location	Client	Consultant	Position
	Cham city, Ninh Thuan province in relation to climate change of the project					
28	Development Operational Regulation for Long Xuyen Quadrangle	2016	Mekong	GIZ	SIWRR	GIS expert
29	Cantho urban development and Resilient Project	2016	Can Tho City	ODA fund (WB)	SIWRR	GIS expert
30	Detailed water resources planning for An Giang, Vietnam	2012	An Giang	DARD	SIWRR	GIS support
31	Investigating the current status of dykes, embankments, works in the flooded areas of the Mekong Downstream	2011	Mekong	MARD	SIWRR	GIS support
32	Flood and Inundation Management for Ho Chi Minh City	2011	Ho Chi Minh City	WB	Royal Haskoning	GIS expert
33	Dredging channels, sinking central pond and new channels in Thu Thiem new urban area, Ho Chi Minh City	2011	Ho Chi Minh City	Investment & Construction Authority of Thu Thiem New Urban Area	SIWRR	GIS expert
34	Hydraulic calculation for all Flood control projects in Ho Chi Minh City	2010	Ho Chi Minh City	MARD	SIWRR	GIS expert
35	Flood control planning for Ho Chi Minh City	2009	Ho Chi Minh City	MARD	SIWRR	GIS support

Expert's contact information: (e-mail huong260305@gmail.com, phone 0908.353.768)

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

20/02/2023



Tran Thi Thu Huong

**FORM TECH-6
CURRICULUM VITAE (CV)**

Position Title and No.	Hydraulic Expert
Name of Expert:	Tran Dai Hai
Date of Birth:	March 12 th , 1992
Country of Citizenship/Residence	Vietnamese

Education:

Degree	School, college and/or University Attended	Specialize	Time of study	Mode of study
Bachelor	Ho Chi Minh city University of Technology	management of resources and environment	2010-2016	Full-time

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
2016-2020	SIWRP	Vietnam	Researcher
2020-now	EWATER	Vietnam	Expert/ Hydrologist and Modeling Specialist

Language Skills (indicate only languages in which you can work):

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Vietnamese	Native	Native	Native
English	Good	Good	Good

Similar projects participated:

No	Name of project	Year	Location	Client	Consultant	Position
1	Integrated resilient development project Quang Nam province	2023	Quang Nam	Project Management Unit of Transport Construction Work	EWATER	Hydraulic Expert
2	Developing scenarios, flood resilience maps, and relocation plans due to tropical depression affecting Ho Chi Minh City	2022	Ho Chi Minh City	DARD	EWATER	Hydraulic Expert
3	Flood Risk Management Study for Thu Duc City	2022	Thu Duc City	WB	EWATER	Hydraulic Expert
4	Consultancy on setting up operation and maintenance procedures for building systems (O&M)	2022	An Giang	DARD	EWATER	Hydraulic Expert
5	Inspect and review locations at risk of landslides in the City in 2021	2021	Ho Chi Minh City	DARD	EWATER	Hydraulic Expert
6	Update the map of key locations and safe places to evacuate people when	2021	Ho Chi Minh City	DARD	EWATER	Hydraulic Expert

No	Name of project	Year	Location	Client	Consultant	Position
	natural disasters occur in the City in 2021					
7	Developing standard operating procedures (SOPs)	2021	Vu Gia – Thu Bon	General Department of Hydrology	EWATER	Hydraulic Expert
8	Development of Tien Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Tien Giang city	DPI	EWATER	Hydraulic Expert
9	Development of Hau Giang province master plan 2021 to 2030 with an outlook towards to 2050	2021	Hau Gaing city	DPI	EWATER	Hydraulic Expert
10	Development of Can Tho city master plan 2021 to 2030 with an outlook towards to 2050	2021	Can Tho city	DPI	EWATER	Hydraulic Expert
11	Operational management manual for O Mon - Xa No irrigation system	2021	Mekong	CPO	EWATER	Hydraulic Expert
12	Develop a provincial disaster prevention plan in combination with integrated flood management for some river basins in the South Central Coast and Central Highlands	2020	South Central Coast	Vietnam Natural Disaster Management Author	EWATER	Hydraulic Expert
13	Building operating procedures of Cai Lon-Cai Be irrigation system, phase 1	2020	Mekong	MARD	SIWRR	Hydraulic Expert
14	Developing scenarios, flood resilience maps, and relocation plans due to heavy storms affecting Ho Chi Minh City	2020	Ho Chi Minh City	DARD	SIWRR	Hydraulic Expert
15	Global Future Cities HCMC Resilience Intervention-Developing GIS system for HCMC Drainage System, Vietnam	2020	Ho Chi Minh City	Mott MacDonald	SIWRR	Hydraulic Expert
16	Research and propose overall solutions to improve and protect the water environment for sustainable development of the Mekong Delta	2019	Mekong	MOST	SIWRR	Hydraulic Expert
17	Development of Vietnam Mekong Delta master plan to 2030 with an outlook towards to 2050 (MPI-PMU-SC01-QCBS)	2019	Mekong	WB	EWATER	Hydraulic Expert

No	Name of project	Year	Location	Client	Consultant	Position
18	Review of existing design and making conceptual design, basic design and operation procedures of Nam Long canal system	2019	Ho Chi Minh City	Nam Long group	EWATER	Hydraulic Expert
19	Vinh Long Urban Development and Climate Resilience Project	2019	Vinh Long	WB	SIWRR	Hydraulic Expert
20	Mekong Urban Climate Resilience Development Project	2019	Tra Vinh	WB	SIWRR	Hydraulic Expert
21	Ho Chi Minh City Wastewater and Drainage System Improvement Project - Feasibility Study Report - Topographical survey and Hydraulic modelling for Tham Luong – Ben Cat basin	2019	Ho Chi Minh City	ADB	SIWRR	Hydraulic Expert
22	Survey consultancy, hydraulic models' experiment, prepare construction drawing designs and cost estimates for the project: Building saline prevention dam on Cai Nha Trang river	2019	Nha trang City	Khanh Hoa Development Project Management Unit	SIWRR	Hydraulic Expert
23	Constructing and installing equipment; upgrading models for early warning system for Luy river basin	2019	Binh Thuan province	Project Management Board of Integrated Water Resources Management	SIWRR	Hydraulic Expert
24	Development of the Decision Support System (DSS) for Sesan and Srepok River Basins	2018	Sesan and Srepok River Basins	MRC	EWATER	Hydraulic Expert
25	Consultancy on operational and regulation process of inter-reservoir in Dong Nai river basin in the flood season	2018	Dong Nai river	MARD	SIWRR	Hydraulic Expert
26	Consultancy for hydraulic modeling Enhancing Resilience of Mekong Delta Region Secondary Cities Grant support to the proposed Scaling up Urban Upgrading Project (SUUP)	2017	Mekong	WB	SIWRR	Hydraulic Expert
27	Consultanting on onstruction survey and making feasibility study for	2017	Ho Chi Minh City	Trung Nam Company BT1547	SIWRR	Hydraulic Expert

No	Name of project	Year	Location	Client	Consultant	Position
	Cay Kho tidal control sluice under the project: "Solving flood caused by tides in HCMC area with consideration of climate change (phase 1)					
28	Technical consultant to develop hydraulic and hydrology model of Dinh river and drainage model in Phan Rang - Thap Cham city, Ninh Thuan province in relation to climate change of the project	2017	Ninh Thuan province	ODA Department of Ninh Thuan Province	SIWRR	Hydraulic Support
29	Development Operational Regulation for Long Xuyen Quadrangle	2016	Mekong	GIZ	SIWRR	Hydraulic Support
30	Cantho urban development and Resilient Project	2016	Can Tho City	ODA fund (WB)	SIWRR	Hydraulic Support

Expert's contact information: (e-mail: daihaiew@gmail.com, phone 0938.341.703)

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

20/02/2023



Tran Dai Hai