

Mr. Kijja Ketprechasawat

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1. BIODATA

PERSONAL DETAILS

Date of Birth : February 17, 1986
Marital Status : Married
Military Status : Exempted
(Finished Military Service Training of Territorial Defence Course)
Nationality : Thai
Religion : Buddhism
Weight : 84 kg
Height : 178 cm

EDUCATION :

Degree : Bachelor Degree of Engineering
Institution : Kasetsart University
Major : Civil Engineering
Minor : Structural Engineering
Dates Attended : June 2004 - March 2008
Senior Project : Behavior of Reinforced Concrete Buildings with Fixed and Soil Spring Support under Wind Load and Seismic Zone 1
GPA : **2.77**

Degree : Master Degree of Engineering
Institution : Kasetsart University
Major : Civil Engineering
Minor : Geotechnical Engineering
Dates Attended : June 2008 - April 2011
Thesis : Improvement of Bottom Ash by Fly Ash and Lime Powder
GPA : **3.76**

CERTIFICATE :

- Professional Engineers License (Civil Engineer): **ถย. 12457**

2. TRAINING PROGRAM :

2.1 Geotechnical Engineering : November 2, 2012 – January 31, 2013

Company : **Black and Veatch Corporation**
11401 Lamar Avenue, Overland Park, Kansas 66211 USA

Position : **Geotechnical Engineer**

Project Name	Owner	Location	Responsibilities
MultiValue Project 3 & 4 Proposal	MidAmerican Energy	Iowa, USA	<u>Transmission Line Design Criteria</u> - Analysis of Laterally Loaded Drilled Pier by FAD (Foundation Analysis & Design) software
Polk 2 Combined Cycle	Tampa Electric	Mulberry, Florida	- Soil Investigation Supervision - Boring Logs & Design Soil Profile - Site Class Determination - Auger Cast-in-Place Pile Axial Capacity Design - Auger Cast-in-Place Lateral Capacity Design - Bearing Capacity and Settlement

2.2 Trainee Engineering : March 26, 2007 – May 25, 2007

Company : **Warnes Associates Company Limited**
153/3 Goldenland, Building 6th floor, soi mahardlekluang 1,
Rajdamri Road, Lumpini, Patumwan,
Bangkok 10330 Thailand

Position : **Trainee Engineer**

Work Descriptions : Reinforce Concrete Design and Steel Design

3. WORK EXPERIENCE :

Company: Black & Veatch (Thailand) Ltd.
Position: Senior Geotechnical Engineer
Period Working: July 2, 2012 – Present

Power Business Project Lists

Project Name	Owner	Location	Responsibilities
EGAT Rayong 3 and 4 Substation Proposal	EGAT	Rayong, Thailand	<ul style="list-style-type: none"> - Design Soil Profile - Axial Pile Capacity & Lateral Pile Capacity of Driven Pile - The Allowable Bearing Capacity and Settlement
Sriracha Power Plant Project	Gulf SRC Company Limited (GSRC)	Sriracha, Chonburi, Thailand	<u>Design Review</u> <ul style="list-style-type: none"> - The Allowable Capacity of Pile Calculation - Pile Load Test Report - The Equipment Foundation Design Calculation and Drawing - Slope Stability Analysis of Ponds Calculation and Drawing
Tambak Lorok 3 (CCPP) Proposal & Project	PT. Indonesia Power	Central Java, Indonesia	<ul style="list-style-type: none"> - Design Soil Profile - Axial Pile Capacity & Lateral Pile Capacity of Driven Pile - PVD Analysis and Design - Equipment Foundation Design - Pipe & Cable Trench Design
Bang Pakong Combined Cycle Replacement (2x650 MW) Proposal & Project	Electricity Generating Authority of Thailand (EGAT)	Bang Pakong, Chachoengsao, Thailand	<ul style="list-style-type: none"> - Design Soil Profile - Axial Pile Capacity of Driven Piles and Bored Pile - Lateral Pile Capacity of Driven Piles and Bored Pile - Blowdown Sump Design - Site Construction Monitoring for Cofferdam Structure
Thermal South Energy Unit 1 & 2 Project	Thermal South Inc.	Davao City, Philippines	<ul style="list-style-type: none"> - Design Soil Profile for Ash Landfill Structure - Slope Stability Analysis for Ash Landfill Structure - Boiler Fire Fighting Booster Pump Station Foundation Design
Calaca Unit 7 Coal Fired Power Plant (2x150 MW) Proposal	D.M.Consunji Inc.	Calaca, Batangas, Philippines	<ul style="list-style-type: none"> - Site Supervision for Soil Investigation Work - Design Soil Profile - Axial Pile Capacity of Driven Piles and Bored Pile - Lateral Pile Capacity of Driven Piles and Bored Pile

Power Business Project Lists (Continue)

Project Name	Owner	Location	Responsibilities
IRPC SPP CHP II Project (2 Block of a 2 x 1 Combined Cycle, 120 MW per Block)	IRPC Clean Power Co., Ltd.	Rayong, Thailand	<u>Inspection for Civil Work at Site</u> - Piling work - Site Preparation work - Underground work <u>Design Review</u> - The Allowable Capacity of Pile and Shallow Foundation - The Foundation Design for Structure and Equipment
Krabi Coal Fired Power Plant (1x870 MW) Proposal	Electricity Generating Authority of Thailand (EGAT)	Krabi, Thailand	- Design Soil Profile - Axial Pile Capacity of Driven Piles and Bored Pile - Lateral Pile Capacity of Driven Piles and Bored Pile
Lontar (1 x 315 MW) Extension Coal Fired Stream Power Plant Proposal		Banten, Indonesia	- Design Soil Profile - Axial Pile Capacity of Driven Pile - Lateral Pile Capacity of Driven Pile - Bearing Capacity and Settlement
Hamitabat Project (1,500 MW Combined Cycle Power Plant)	Hamitabat Elektrik Üretim Ve Ticaret A.Ş	Lüleburgaz District of Kırklareli Province in Thrace, Turkey	- Design Soil Profile - Potential Vertical Rise of Swelling Soil - Bearing Capacity and Settlement - Equipment Foundation and Anchor Bolts Design - Electrical Manhole Design - Blowdown Tank and Lift Pit Design
Sumsel 9 Project (Block A) Proposal (2 x 660 MW Coal Fired Power Plant)	DH Energy	Pendopo, South Sumatra, Indonesia	- Reviewed the Geotechnical Report
Malaysia 4A Proposal (1,000-1,400 MW)	-	Johore, Malaysia	- Design Soil Profile - Axial Pile Capacity of Driven Pile - Lateral Pile Capacity of Driven Pile - Bearing Capacity and Settlement - Transformer Foundation Design - Utility Rack and Pipe Sleeper Foundation
Yangon Phase 1 CFB Proposal (2x180 MW)	-	Yangon, Myanmar	- Utility Rack and Pipe Sleeper foundation
Duyen Hai 3 Proposal	-	Vietnam	-Preparation BOQ of Crain Girder Structure
Craig Station (Unit 2) (Retrofit Air Quality Control Project Including Selective Catalytic Reduction (SCR) – 3 x 440 MW)	Tri-State Genertion & Transmission	Colorado, USA	- The extension of existing pile head design

Power Business Project Lists (Continue)

Project Name	Owner	Location	Responsibilities
Therma Visayas Proposal (300 MW Coal – Fired Power Plant Project)	Therma Visayas Inc.	Toledo City, Cebu, Philippines	- Design Soil and Rock Profile - Axial Pile Capacity of Bored Piles - Lateral Pile Capacity of Bored Piles - Bearing Capacity and Settlement
Port Westward Unit 2 (200 MW Natural Gas Fueled Project)	Portland General Electric Company	Clatskanie, Oregon, USA	- Top Slab of Cooling Tower and Anchor Bolt Design
Mae Moh Unit 4 – 7 Proposal (600 MW Coal – Fired Power Plant Project)	Electricity Generating Authority of Thailand (EGAT)	Lampang, Thailand	- Design Soil and Rock Profile - Axial Pile Capacity of Bored Piles - Lateral Pile Capacity of Bored Piles - Bearing Capacity and Settlement - Tanks Foundation - Slope Stability Analysis - Effective Depth of Swelling Soil
Doud Substation	ITC Midwest, LLC	Iowa, USA	- Design Soil Profile and Drilled Pier Parameters - Bearing Capacity and Settlement
Vital Substation	ITC Holding Company Engineering	Michigan, USA	- Design Soil Profile and Drilled Pier Parameters - Bearing Capacity and Settlement
Marubeni Glow Blitz Project (Proposal)	Glow Hemaraj Energy Co., Ltd.	Rayong, Thailand	- Slope Stability - Reinforcement Soil Slope (RSS) by Geo-grid
Polk 2 Combined Cycle	Tampa Electric	Mulberry, Florida, USA	(See item 2.1)
MultiValue Project 3 & 4 Proposal	MidAmerican Energy	Iowa, USA	(See item 2.1)
Wang Noi Combine Cycle Power Plant Block 4	Electricity Generating Authority of Thailand (EGAT)	Ayuttaya, Thailand	- Lateral Pile Capacity of Bored Piles - Anchor Bolts Design for Equipment - Foundation Design for Ammonia Dosing Container - Anchor Bolt Design for Equipment
Chana Combine Cycle Power Plant Block 2	Electricity Generating Authority of Thailand (EGAT)	Songkhla, Thailand	- Axial Pile Capacity of Bored Piles - Lateral Pile Capacity of Bored Piles - Anchor Bolts Design for Equipment - Axial Pile Capacity and Total Settlement for Walkway

Renewable Business Project Lists

Project Name	Owner	Location	Responsibilities
JPMC Solar Rooftop Project	JPMC	All Chase Bank in USA	<ul style="list-style-type: none"> - To evaluate the existing roof structure (main building and drive thru canopy) - To determine the PV loading on rooftop
220 MW Minbu Solar Power Plant Project	Green Earth Power (Thailand) Co., Ltd.	Minbu, Myanmar	<ul style="list-style-type: none"> - Site Supervision for Grading Work on Site - Design Review Scope (Lead Civil)
25 MW Biliran Solar Farm Project	NOVA ASIA Co., Ltd.	Biliran, Philippines	<u>Feasibility Study & Development Project</u> <ul style="list-style-type: none"> - Conceptual Design for grading work, drainage and flooding work - Design Review Scope (Lead Civil)
Laos Banpu Solar Plant Project	Banpu Power	Attapeu, Laos	<ul style="list-style-type: none"> - Site Supervision - Feasibility Report - Risk Assessment Report - Conceptual Design - Soil Investigation Specification - Topographic Survey Specification
Solar SPP Hybrid Project	Banpu Power	Lamphon, Thailand	<ul style="list-style-type: none"> - Site Supervision - Feasibility Report - Risk Assessment Report - Conceptual Design
Jhampir Power PVT Wind Power Plant (50 MW)	-	Thatta, Sindha, Pakistan	<ul style="list-style-type: none"> - Anchor Bolt and Foundation Design of Wind Turbine

Company: Toyo-Thai Corporation Public Company Limited (TTCL)
Position: Civil Engineer
Period Working: June 6, 2011 – June 29, 2012

Petrochemical Project Lists

Project Name	Owner	Location	Responsibilities
Lynas Project	-	Malaysia	- Foundation Design Basis
Rung Tawan Project	JSR BST elastomer Co., Ltd.	Rayong, Thailand	- Retaining Structure work - Underground work - Site Preparation work - Fence & Gate work - Road Paving & Drainage work - Site Preparation Specification - Pile Driven Criteria - Dynamic Pile Load Test Procedure - Foundation Design Basis

4. SPECIAL SKILLS :

- Good in reading and listening English
- Proficiency in Microsoft Office : Word, Excel and PowerPoint.
- Experienced in use of Staad Pro 8Vi, Plaxis, KU-Slope, Prokon, spMat, spColumn, MathCad, LPile, FAD (Foundation Analysis & Design), gINT, SAFE2014 and SAP2000.

5. EXTRA-CURRICULAR ACTIVITIES & SEMINAR

Seminar: การประชุมวิชาการวิศวกรรมโยธา ครั้งที่ 16 (NCCE 16th)
Date: May 18th-20th, 2011
Presented Topic: การปรับปรุงคุณภาพแฉก้นเตา โดยใช้เถ้าลอยและสารปูนขาว (Improvement of Bottom Ash by Fly Ash and Lime Powder)

Seminar: สัมนาทางวิชาการและการแสดงนิทรรศการ เรื่อง วิศวกรรมปฐพีและฐานราก'55 (Geotechnical Engineering 2012)
Date: September 26th-27th, 2012

6. OTHERS :

I am a friendly, responsible, and analytical person. I am able to get along with people in all situations. I can work independently and well as part of a team. Be able to work under pressure. I can be both a good follower and good leader also.