

**ADDENDUM NO. 3  
TO  
AGREEMENT FOR FURNISHING EXPERTS  
FOR**

**Detailed Design For DaNang - QuangNgai  
Expressway Development Project**

**between**

***JOINT VENTURE OF NK -NEC- CHODAI-TEC***

**and**

***THANG LOI ENGINEERING CONSULTANTS CO., LTD***

**Date: 27 NOVEMBER, 2012**



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**ADDENDUM NO. 3**

**TO  
AGREEMENT FOR FURNISHING EXPERTS**

**FOR  
Detailed Design For DaNang - QuangNgai Expressway Development Project**

This Addendum No. 3 is made on the 27th day of the month of November, 2012 between Joint Venture of NK – NEC- Chodai-TEC (hereinafter referred to as “JV”) on the one part, and Thang Loi Engineering Consultant Co., Ltd (hereinafter referred to as “the Company”) on the other part, concerning the Agreement dated December 1<sup>st</sup>, 2011 for furnishing experts for Detailed Design for Da Nang - Quang Ngai Expressway Development Project (hereinafter referred to as “the Agreement”); Addendum No.1 dated April 10<sup>th</sup> 2012 and Addendum No.2 dated April 19<sup>th</sup> 2012.

**WITNESSETH:**

WHEREAS, In Appendix 2: POSITION AND ASSIGNMENT PERIOD in the Agreement, the assignment period for some engineers should be updated in order to meet practical requirements in the project office located at Danang city.

WHEREAS, it was mutually agreed in ARTICLE 4: REPLACEMENT OF THE EXPERTS of the Agreement that “Any additional costs that may result from such replacement shall be the sole responsibility of the Company”. In case, The Client would not pay for some positions which is under Thang Loi, appropriate adjustment for payment to Thang Loi shall be made.

WHEREAS, PMU85 disapprove of the mobilization of substitute of Hydraulic Engineer 1, Mr. Hoang Manh Dung; Cost Estimator 3, Ms. Dao Thi Nhu Phuong, because their CV does not meet the requirements for the position, by his letter No.899/PMU85-PP2 dated June 19<sup>th</sup> 2012;

WHEREAS, PMU85 has no-objection to mobilization of replacement candidates for Architect 1, Mr. Nguyen Van Hoa and Training Specialist, Nguyen Xuan Nghia, by his letter No.962/PMU85-PP2 dated June 30<sup>th</sup> 2012.

WHEREAS, PMU85 has no-objection to mobilization of replacement candidates for Communication System Engineer, Mr. Man Thanh Nam by his letter No.1388/PMU85-PP2 dated September 14<sup>th</sup> 2012.

WHEREAS, WB has no-objection on the replacement of: Hydraulic Engineer 1, Mr. Nguyen Minh Luong and Cost Estimator 1, Ms. Van Hong Lien by his letter dated September 19<sup>th</sup> 2012.

WHEREAS, the notice from JV by the Letter No.DQEDD-ThangLoi-75-12 dated August 7<sup>th</sup> 2012 regarding request of urgent mobilization of additional Engineers;

WHEREAS, the notice from JV by the Letter No.DQEDD-ThangLoi-90-12 dated September 20<sup>th</sup> 2012 regarding request of urgent mobilization of Engineers;

AND WHEREAS, the notice from the Company by the Letter No.040/2012/TEC-DQE dated October 18<sup>th</sup>, 2012 regarding to assignment of Engineers for Addendum 3 for the Agreement.

NOW THEREFORE, it is mutually agreed by and between the parties hereto as follows:



No.	Position	Name	Assignment Period
L1	Co-Project Manager	Nguyen Lam Hong	Nov 2011 – Feb 2013 (16 Months)
L2	Highway Engineer 1 (Geometric)	Pham Viet Hung	Nov 2011 – Feb 2013 (16 Months)
L3	Highway Engineer 2 (Road Structure)	Ha Phuoc Thuan	Nov 2011 – Feb 2013 (16 Months)
L6	Bridge/Structural Engineer 2 (Superstructure/Foundation)	Cat Trong Tien	Nov 2011 – Dec 2012 (14 Months)
L11	Highway Engineer 5 (Geometric)	Nguyen Vu Manh	Dec 2011 – Feb 2013 (15 Months)
L12	Highway Engineer 6 (Road Structure)	Huynh Van Quang	Dec 2011 – Feb 2013 (15 Months)
L12-2	Highway Engineer 7	Mai Xuan Ngoc	Aug 2012- Feb 2013 (6.5 months)
L12-3	Highway Engineer 8	Vu Anh Tuan	Aug 2012- Feb 2013 (6.5 months)
L13	Bridge/Structural Engineer 5	Ho Le Thai	Dec 2011 – Feb 2013 (15 Months)
L14	Bridge/Structural Engineer 6	Le Thanh Tung	Dec 2011 – Feb 2013 (15 Months)
L15	Interchange Specialist	Phan Dang Viet Anh	Feb 2012 – June 2012 (4.8 Months)
L19	Soft Ground Treatment Specialist 1	Bui Xuan Hanh	Feb 2012 – Dec 2012 (10.5 Months)
L19-2	Soft Ground Treatment Specialist 2	Nguyen Tran Hai	Oct 2012 – Dec 2012 (2.7 Months)
L20	Drainage Engineer 1	Luong Tien Hung	Feb 2012 – Feb 2013 (12.5 Months)
L20-2	Drainage Engineer 3	Nguyen Xuan Dat	Nov 2012 – Mar 2013 (4 Months)
L20-3	Drainage Engineer 4	Vuong Hong Thang	Dec 2012 – Mar 2013 (4 Months)
L23	Pavement/Material Engineer 1	Tran Trong Nghia	Sep 2012 – Dec 2012 (4 Months)
L25	Senior Surveyor 1	Le Van Thu	Aug 2011 – Dec 2012 (16 Months)
L26	Senior Surveyor 2	Dao Tran Chau	Sep 2011 – Jun 2012 (9 Months)
L30-2	Soil/Geotechnical Engineer 5	Nguyen Anh Ngoc	Aug 2012 - Dec 2012 (4.5 months)
L30-3	Soil/Geotechnical Engineer 6	Dao Quang Huy	Aug 2012 - Dec 2012 (4.5 months)
L30-4	Soil/Geotechnical Engineer 7	Mai Huy Dao	Aug 2012 - Dec 2012 (4.5 months)
L32	Hydraulic Engineer 1	Hoang Manh Dung Nguyen Minh Luong	Feb 2012 – Dec 2012 (10.5 Months)
L33	Hydraulic Engineer 2	Nguyen Duc Duy	Dec 2011 – Dec 2012 (12.5 Months)
L35	Transport Economist	Trinh Duc Thang	Dec 2011 – Apr 2012 (4 Months)
L40	Architect 1	Nguyen Van Hoa	Oct 2012 – Feb 2013 (4 Months)
L43	Communication & ITS Engineer	Man Thanh Nam	Oct 2012 – Dec 2012 (3 Months)
L47	Cost Estimator 1 (Civil Work Packages)	Van Hong Lien	Dec 2012-April 2013 (5 months)
L48	Cost Estimator 2 (Civil Work Packages)	Hoang Thanh Minh	Nov 2012-April 2013 (5 months)
L49	Cost Estimator 3 (Other Packages)	Dao Thi Nhu Phuong	Feb 2012 – Dec 2012 (10 months)
L52	Senior Environmental Specialist	Ngo The Hung	Nov 2011 – July 2012 (8.5 Months)
L53	Environmental Specialist	Pham The Giang	June 2011 – Sep 2012 (4 Months)

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## Appendix 2 COST ESTIMATE

### 1. Remuneration

Remuneration of the Appendix 3: Cost Estimate of the Agreement & Addendum No.1 shall be deleted and replaced in its entirety with the following:

Position	Name	Remuneration						Amount Difference
		Rate (USD/Month)	Add No.1		Add No.3			
			MM	Amount	MM	Amount		
L1	Co-Project Manager	Nguyen Lam Hong	2,000	14	28,000	16	32,000	4,000
L2	Highway Engineer 1 (Geometric)	Pham Viet Hung	1,800	13	23,400	16	28,800	5,400
L3	Highway Engineer 2 (Road Structure)	Ha Phuoc Thuan	1,300	13	16,900	16	20,800	3,900
L6	Bridge/Structural Engineer 2 (Superstructure)	Cat Trong Tien	1,300	13	16,900	14	18,200	1,300
L11	Highway Engineer 5 (Geometric)	Nguyen Vu Manh	1,300	12	15,600	15	19,500	3,900
L12	Highway Engineer 6 (Road Structure)	Huyhn Van Quang	1,300	12	15,600	15	19,500	3,900
L12-2	Highway Engineer 7	Mai Xuan Ngoc	1,300	0	0	6.5	8,450	8,450
L12-3	Highway Engineer 8	Vu Anh Tuan	1,300	0	0	6.5	8,450	8,450
L13	Bridge/Structural Engineer 5	Ho Le Thai	1,300	8	10,400	15	19,500	9,100
L14	Bridge/Structural Engineer 6	Le Thanh Tung	1,300	8	10,400	15	19,500	9,100
L15	Interchange Specialist	Phan Dang Viet Anh	1,600	4	6,400	4.8	7,680	1,280
L17	Tunnel Engineer (Disapproved)	Nguyen Quang Toan	960	1.4	1,344	1.4	1,344	0
	Tunnel Engineer		1,600	2	3,200	0	0	-3,200
L18	Soil/Geotechnical Engineer 1 (Slope)		1,600	3	4,800	0	0	-4,800
L19	Soft Ground Treatment Specialist	Bui Xuan Hanh	1,600	5	8,000	10.5	16,800	8,800
L19-2	Soft Ground Treatment Specialist 2	Nguyen Tran Hai	1,300		0	2.7	3,510	3,510
L20	Drainage Engineer 1	Luong Tien Hung	1,300	7	9,100	12.5	16,250	7,150
L20-2	Drainage Engineer 3	Nguyen Xuan Dat	1,300		0	4	5,200	5,200
L20-3	Drainage Engineer 4	Vuong Hong Thang	1,300		0	4	5,200	5,200
L22	River Engineer		1,600	2	3,200	0	0	-3,200
L23	Pavement/Material Engineer 1	Tran Trong Nghia	1,600	5	8,000	4	6,400	-1,600
L25	Senior Surveyor 1	Le Van Thu	1,700	11	18,700	16.5	28,050	9,350
L26	Senior Surveyor 2	Dao Tran Chau	1,300	8	10,400	9	11,700	1,300
L30-2	Soil/Geotechnical Engineer 5	Nguyen Anh Ngoc	1,300		0	4.5	5,850	5,850
L30-3	Soil/Geotechnical Engineer 6	Dao Quang Huy	1,300		0	4.5	5,850	5,850
L30-4	Soil/Geotechnical Engineer 7	Mai Huy Dao	1,300		0	4.5	5,850	5,850
L32	Hydraulic Engineer 1	Hoang Manh Dung	1,640	6	9,840	7.2	11,808	1,968
	Hydraulic Engineer 2	Hoang Manh Dung/ Nguyen Minh Luong	1,600			3.3	5,280	5,280
L33	Hydraulic Engineer 2	Nguyen Duc Duy	1,300	6	7,800	12.5	16,250	8,450
L35	Transport Economist	Trinh Duc Thang	1,600	4	6,400	4	6,400	0
L40	Architect 1	Nguyen Van Hoa	1,600	4	6,400	4	6,400	0
L43	Communication & ITS Engineer	Man Thanh Nam	1,600	3	4,800	3	4,800	0
L44	Electrical Engineer 1		1,600	5	8,000	0	0	-8,000
L47	Cost Estimator 1 (Civil Work Packages) (Disapproved))	Le Cong Thinh	960	2.7	2,592	2.7	2,592	0
L47	Cost Estimator 1 (Civil Work Packages)	Van Hong Lien	1,600	5	8,000	5	8,000	0
L48	Cost Estimator 2 (Civil Work Packages)	Hoang Thanh Minh	1,300		0	5	6,500	6,500
L49	Cost Estimator 3 (Other Packages)	Dao Thi Nhu Phuong	1,300	9	11,700	10	13,000	1,300
L52	Senior Environmental Specialist	Ngo The Hung	1,700	8	13,600	8.5	14,450	850
L53	Environmental Specialist (Disapproved)	Tran Tuan Anh	960	4	3,840	4	3,840	0
L53	Environmental Specialist	Pham The Giang	1,600	4	6,400	4	6,400	0
L57	Training Specialist	Tran Xuan Nghia	1,600	4	6,400	0	0	-6,400
<b>Sub -Total</b>				<b>206.10</b>	<b>306,116</b>	<b>291.10</b>	<b>420,104</b>	<b>113,988</b>
<b>10% VAT</b>					<b>30,612</b>		<b>42,010</b>	<b>11,399</b>
<b>Total</b>					<b>336,728</b>		<b>462,114</b>	<b>125,387</b>

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## 2. Out of pocket expense.

Out of pocket expense of the Appendix 3 : Cost Estimate of the Agreement & Addendum No.1 shall be deleted and replaced in its entirety with the following:

Position	Name	Perdiem + Accommodation						
		Rate	Add No.1		Add No.3		Amount	
		(USD/Month)	MM	Amount	MM	Amount	Difference	
L1	Co-Project Manager	Nguyen Lam Hong	750	14	10.500	16	12.000	1.500
L2	Highway Engineer 1 (Geometric)	Pham Viet Hung	750	13	9.750	16	12.000	2.250
L3	Highway Engineer 2 (Road Structure)	Ha Phuoc Thuan	750	13	9.750	16	12.000	2.250
L6	Bridge/Structural Engineer 2 (Superstructure)	Cat Trong Tien	750	13	9.750	14	10.500	750
L12-2	Highway Engineer 7	Mai Xuan Ngoc	750		0	6,5	4.875	4.875
L12-3	Highway Engineer 8	Vu Anh Tuan	750		0	6,5	4.875	4.875
L15	Interchange Specialist	Phan Dang Viet Anh	750	4	3.000	4,8	3.600	600
L17	Tunnel Engineer	TBN	750	2	1.500	0	0	-1.500
L18	Soil/Geotechnical Engineer 1 (Slope)	TBN	750	3	2.250	0	0	-2.250
L19	Soft Ground Treatment Specialist	Bui Xuan Hanh	750	5	3.750	10,5	7.875	4.125
L19-2	Soft Ground Treatment Specialist 2	Nguyen Tran Hai	750			2,7	2.025	2.025
L20	Drainage Engineer 1	Luong Tien Hung	750	7	5.250	12,5	9.375	4.125
L20-2	Drainage Engineer 3	Nguyen Xuan Dat	750			4	3.000	3.000
L20-3	Drainage Engineer 4	Vuong Hong Thang	750			4	3.000	3.000
L22	River Engineer	Hoang Giang	750	2	1.500	0	0	-1.500
L23	Pavement/Material Engineer 1	Tran Trong Nghia	750	5	3.750	4	3.000	-750
L25	Senior Surveyor 1	Le Van Thu	750	11	8.250	16,5	12.375	4.125
L26	Senior Surveyor 2	Dao Tran Chau	750	8	6.000	9	6.750	750
L30-2	Soil/Geotechnical Engineer 5	Nguyen Anh Ngoc	750		0	4,5	3.375	3.375
L30-3	Soil/Geotechnical Engineer 6	Dao Quang Huy	750		0	4,5	3.375	3.375
L30-4	Soil/Geotechnical Engineer 7	Mai Huy Dao	750		0	4,5	3.375	3.375
L32	Hydraulic Engineer 1	Hoang Manh Dung/ Nguyen Minh Luong	750	6	4.500	3,3	2.475	-2.025
L33	Hydraulic Engineer 2	Nguyen Duc Duy	750	6	4.500	12,5	9.375	4.875
L35	Transport Economist	Trinh Duc Thang	750	4	3.000	4	3.000	0
L40	Architect 1	Nguyen Van Hoa	750	4	3.000	4	3.000	0
L43	Communication & ITS Engineer	Man Thanh Nam	750	3	2.250	3	2.250	0
L44	Electrical Engineer 1	Cu Thanh Ha	750	5	3.750	0	0	-3.750
L47	Cost Estimator 1 (Civil Work Packages)	Van Hong Lien	750	5	3.750	5	3.750	0
L48	Cost Estimator 2	Hoang Thanh Minh	750		0	5	3.750	3.750
L49	Cost Estimator 3 (Other Packages)	Dao Thi Nhu Phuong	750	9	6.750	10	7.500	750
L52	Senior Environmental Specialist	Ngo The Hung	750	8	6.000	8,5	6.375	375
L53	Environmental Specialist	Pham The Giang	750	4	3.000	4	3.000	0
L57	Training Specialist	Tran Xuan Nghia	750	4	3.000	0	0	-3.000
<b>Sub Total</b>				<b>158,00</b>	<b>118.500</b>	<b>215,80</b>	<b>161.850</b>	<b>43.350</b>
<b>10% VAT</b>					<b>11.850</b>		<b>16.185</b>	<b>4.335</b>
<b>Total</b>					<b>130.350</b>		<b>178.035</b>	<b>47.685</b>

