

**Subproject Delivery Agency:** Natural Resources and Environment Institute (NREI), Ministry of Natural Resources and Environment (MONRE)

**Subproject Title:** Institutional strengthening on air and noise quality monitoring and the improvement of resources efficiency and Transfer appropriate technology for waste management in SMEs

**Subproject ID No:** PICE-LENS2-016

**Procurement Plan**  
(Revise as of March 9, 2018)

- Original Plan: September 15, 2016
- First Revision: January 24, 2017
- Second Revision: March 9, 2018

**I. Goods/works:**

Ref.No.	Contract (Description)	Estimated Cost US\$	Startup date	Procurement Method	Review by Bank (Prior/ Post)	Expected Bids Opening Date	Responsibility	Comments
NREI/G01	Air and Noise Quality Monitoring Equipment	158,441	Mar 2016	NCB	Post	Apr 2017	EPF&SDA	Completed, TNK Service Procurement and Supply Equipment& Material Trading Co., Ltd
NREI/G01.1	Decicator and precision balance with four and six digits	8,559	Jan 2018	Direct contracting	post	Feb 2018	EPF&SDA	
NREI/G02	Noise dispersion software and models	10,000	Jan 2018	Direct contracting	Post	Feb 2018	EPF&SDA	
NREI/G03	Air dispersion software and models	10,000	Jan 2018	Direct contracting	Post	Feb 2018	EPF&SDA	
NREI/G04	Truck for transporting equipment and accessory for field work	45,000	Jan 2017	Shopping	Post	Feb 2017	SDA	Completed, Lao Toyota Service Co., Ltd
NREI/G06	Office IT	10,000	Feb 2017	Shopping	Post	Mar 2017	SDA	Completed, Vientiane Center
NREI/G07	Office furniture	5,500	Feb 2017	Shopping	Post	Mar 2017	SDA	Completed, Vientiane Center
NREI/G08	Office IT	2,000	Feb 2018	Shopping	Post	Mar 2018	SDA	
NREI/G09	Office furniture	1,500	Feb 2018	Shopping	Post	Mar 2018	SDA	

NREI/G10	Air Quality Monitoring Equipment – High volume for PM2.5	50,000	Jan 2018	Shopping	Post		SDA	
<b>Sub total</b>		<b>301,000</b>						

## II. Consultants:

Ref. No.	Budget code	Contract (Description)	Estimated Cost US\$	Startup date	Procurement Method	Review by Bank (Prior/Post)	Expected Bids Opening Date	Responsibility	Comments
NREI/C01	3.2	Project coordinator	45,000	Jan 2018	IC	Post	Feb 2018	SDA	
<del>NREI/C02</del>	<del>3.3</del>	<del>Admin and accountant</del>	<del>18,000</del>	<del>Mar 2017</del>	<del>IC</del>	<del>Post</del>	<del>Apr 2017</del>	<del>SDA</del>	Cancelled
NREI/C03A	1.2.2	Expert for training on procedure and to operate, maintenance air and noise quality monitoring equipment in class	5,000	Jan 2017	IC	Post	Mar 2017	SDA	Completed, Mr. Kanok Suksomsankh
NREI/C03B	1.2.2	Expert for training on procedure and to operate, maintenance air and noise quality monitoring equipment in field	5,000	Oct 2017	IC	Post	Dec 2017	SDA	
NREI/C04A	1.2.5	Expert for training on air modeling	18,000	Jan 2018	IC	Post	Feb 2018	SDA	Completed, Dr. Surat Bualert
NREI/C04B		Expert for training on air modeling		Apr 2018	SSS	Post	May 2018	SDA	
NREI/C05A	2.1.2.1	Experts for training NREI staffs on cleaner production module 1	10,000	Feb 2017	IC	Post	Mar 2017	SDA	Completed, Mr. Thongphet
NREI/C05B	2.1.2.1	Experts for conduct training NREI staffs and stakeholders on CP assessment – module 1 and module 2	10,000	Feb 2017	SSS	Post	Mar 2017	SDA	
NREI/C06		Experts for training NREI staffs on research study on the best available and appropriate technology on waste management and pollution control for SMEs	12,414	Feb 2017	IC	Post	Mar 2017	SDA	Completed, Nawatch
NREI/C07	2.2.2	Expert for identify technologies, disseminate technologies, supporting	9,000	Apr 2018	SSS	Post	May 2018	SDA	

	2.4.2	implementation and pollution control applicable to SMEs of pilot units	30,000						
NREI/C08	2.3.2	Expert for kick-off and awareness raising of SMEs on waste minimization through CP	10,000	Jan 2018	SSS	Post	Feb 2018	SDA	
NREI/C09	2.4.7	International /national experts for developing of standard procedures for water sampling and analysis	10,000	Jan 2018	IC	Post	Feb 2018	SDA	
NREI/C10	2.4.7	International /national experts for developing of standard procedures for Air sampling and analysis		Jan 2018	IC	Post	Feb 2018	SDA	
<b>Sub total</b>			<b>164,414</b>						
<b>Grand total</b>			<b>465,414</b>						