



Assurance Report

Fiscal Year 2023



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Executive summary

Infrastructure Transparency Initiative: CoST was initiated in 2001 by the Department for Internal Development, United Kingdom, under the support of the World Bank. Thailand has implemented CoST program since the fiscal year 2015. There have been many construction initiatives joining the program.



Total construction projects participated in CoST for the fiscal year of 2023 were

1,082

Total CoST projects with data disclosure were

681

Average data disclosure was

89.78%

Mostly, the project owners lacked data disclosure concerning construction progress and management after project completion.

Average price competition was

10.78%

Average bidders

was **3.87** per projects

The construction project with the contract value less than **3** million Baht had the highest average price competition at **32.97** percent and average bidders attended the bidding were **5.50**. The average construction delay of road and bridge sector was **39** days. The construction value between **3-5** million Baht had an average price competition at **25.66** percent and the average bidders attended the bidding were **5.76**, with an average construction delay of 40 days. In addition, the results had shown that the average delays of road and bridge construction projects were 46 days and buildings and museums were 34 days, owing to the delayed start of construction of the contractors.

In 2023, there were projects under the support of the UK Embassy in Thailand via UNDP for CoST Thailand at a provincial level whereby the Anti-Corruption Cooperation Committee had chosen Bangkok, Sakon Nakorn and Supanburi as the pilot provinces. The project's performance had been reported that data disclosure of these 3 provinces was improved from a moderate level (60-80%) to a very high level (over 90%) which was considered a significant improve. The project owners had better understanding of CoST project as details can be seen from the QR Code below.



Details

Assurance Report



Bangkok



Details

Assurance Report



Sakon Nakorn



Details

Assurance Report



Suphan Buri

Recommendations for CoST Thailand of the fiscal year 2023 are as follows:

1

Data disclosure

The project owner should encourage and promote data disclosure from the beginning to completion of the project. The data disclosure rate shall be included as an indicator of the project's success.

2

Competition and delay

The project owner should create monitorings measures and closely monitor the contractor's operation. Besides, the Comptroller General's Department shall evaluate the entrepreneurs' performance or grading by taking into consideration their previous performance as part of the bidding privileges.

3

Project management

a) Some government agencies set unclear criteria for material properties or buildings, the Acceptance Committee cannot accept the project. The project owner should specify clear qualifications criteria or acceptance procedures.

b) In a case where the Acceptance Committee lacks of knowledge and expertise in construction, the project owner should invite external experts to assist the Acceptance Committee.

c) The construction project may cause danger during nighttime as there were no clear signs or measures to protect the lives and assets of the public. Thus, in the TOR, the project owner should stipulate that the contractor must prepare safety plans for the construction area as part of the technical proposals.

Introduction

(Infrastructure Transparency Initiative : CoST)



CoST, is one of the leading global non-profits improving transparency, participation and accountability in infrastructure to deliver quality infrastructure that improves lives and strengthens economies.

Thailand has adopted the CoST principals to develop a comprehensive set of tools that are used to monitor the transparency of public construction projects.

Components of CoST

- 1 Multi-Stakeholders Working
- 2 Disclosure
- 3 Assurance
- 4 Social Accountability

CoST

was initiated in the United Kingdom and at present, there are 19 Members,

Thailand joined the CoST program on September 22, 2014. Five years later, the Anti-Corruption Cooperation Committee approved the implementation of the program under the Government Procurement and Supplies Management Act of 2017, with effect from October 12, 2019.

Colombia

El Salvador

Ethiopia

Ukraine

Guatemala

Honduras

Malawi

Tanzania

Uganda

Panama

kondi-Takoradi in Ghana

Costa Rica

Argentina

Timor-Leste

Mozambique

the State of Jalisco in Mexico

West Lombokin Indonesia

El Salvador

Thailand

Chapter 1

Notification of the Anti-Corruption Cooperation Committee, Re : Infrastructure Transparency Initiative (CoST)

By virtue of Section 17, second paragraph of the Public Procurement and Supplies Administration Act, B.E. 2560 (2017), the Anti-Corruption Cooperation Committee (ACC Committee) hereby issued the notification governing transparency in government construction initiatives, as a means to facilitate public participation in public procurement. Guidelines and methods of implementation shall be as prescribed below:



Criteria

5

A CoST sub-committee is responsible for selecting construction projects for inclusion within the CoST program, subject to the following requirements.

5.1 Construction projects for which procurements will be made, in Electronic Government Procurement System (e-GP), should have the following characteristics:

5.1.1 The highest value of construction projects from central government agencies.

5.1.2 For local administration, it should meet the following criteria:

5.1.2.1 The highest value of construction project from Provincial Administrative Organization.

5.1.2.2 Construction project value from 7 million baht from the municipality.

5.1.2.3 Construction project value higher than 7 million baht from the Subdistrict Administrative Organization.

5.1.2.4 The highest value of construction projects from Special Form of a Local Administrative Organization (i.e., in Bangkok or Pattaya).

5.1.3 Construction project value from 500 million baht from state-owned enterprise.

5.1.4 The highest value of construction projects from other government agencies.

5.2 The construction project will affect the public.

5.3 There is a high degree of certainty that work will commence on the construction project.

5.4 The project may be proposed by the government agency for themselves.

5.5 The CoST sub-committee agrees to include the project in the CoST program.

CoST guidelines

- 1** State agencies should submit details of construction projects for which they are responsible and that meet the qualifying criteria.

Within 15 days of budgets being approved,
- 2** The CoST sub-committee will select projects for inclusion in the CoST scheme and

will then notify the relevant state agencies of their decision.
- 3** State agencies are responsible for the selected construction projects will prepare registration documents for the officers charged with data submission, which will then be passed to the Comptroller General's Office, where accounts and passwords will be set up.

These officers will be responsible for submitting information on 40 data points
- 4** The state agencies are responsible for the project will ensure that all relevant details are entered on the CoST website.
- 5** The Assurance Team will verify the accuracy and completeness of the disclosed data.

Completeness | Accuracy | Status of Work
- 6** Projects will be selected for random on-site inspection based on a

budget | project types | locations
- 7** The Assurance Team or officers from the Provincial Office of the Comptroller General

may make site-visits to secure additional information.
- 8** A public forum will be arranged to allow members of the public and the relevant state agency to exchange ideas and suggestions.
- 9** The Assurance Team will analyze the disclosed data together with any suggestions.

A report from the Assurance will then be presented to the CoST sub-committee.
- 10** The Anti-Corruption Cooperation Committee

will approve the Assurance Report | will publish the Assurance report on the CoST website.

Chapter 2

Overview of CoST Thailand the Fiscal Years 2015-2023

Information as of 20 October 2023

Fiscal years 2015-2019

249 projects with a total budget of 97,531 million baht.

219

Projects were completed

30

projects are ongoing.

Fiscal years 2020

510 projects with a total budget of 66,366 million baht.

459

Projects were completed

51

projects are ongoing.

Fiscal years 2021

648 projects with a total budget of 38,368 million baht.

561

Projects were completed

87

projects are ongoing.

Fiscal years 2022

696 projects with a total budget of 31,612 million baht.

575

Projects were completed

121

projects are ongoing.

Fiscal years 2023

1,082

Value 163,016

Projects

million baht



Roads and bridges

761

Projects

55 Projects 700 Projects
1 Projects 5 Projects

Value 58,159 million baht

Buildings and museums

182

Projects

94 Projects 67 Projects
6 Projects 5 Projects
10 Projects

Value 33,579 million baht

Hospital

1

Projects

1 Projects

Value 43 million baht

Ports

2

Projects

1 Projects
1 Projects

Value 113 million baht

Irrigation works

36

Projects

15 Projects
20 Projects
1 Projects

Value 7,070 million baht

Amenities and public facilities

66

Projects

6 Projects 47 Projects
4 Projects 1 Projects
8 Projects

Value 54,455 million baht

Public utilities

34

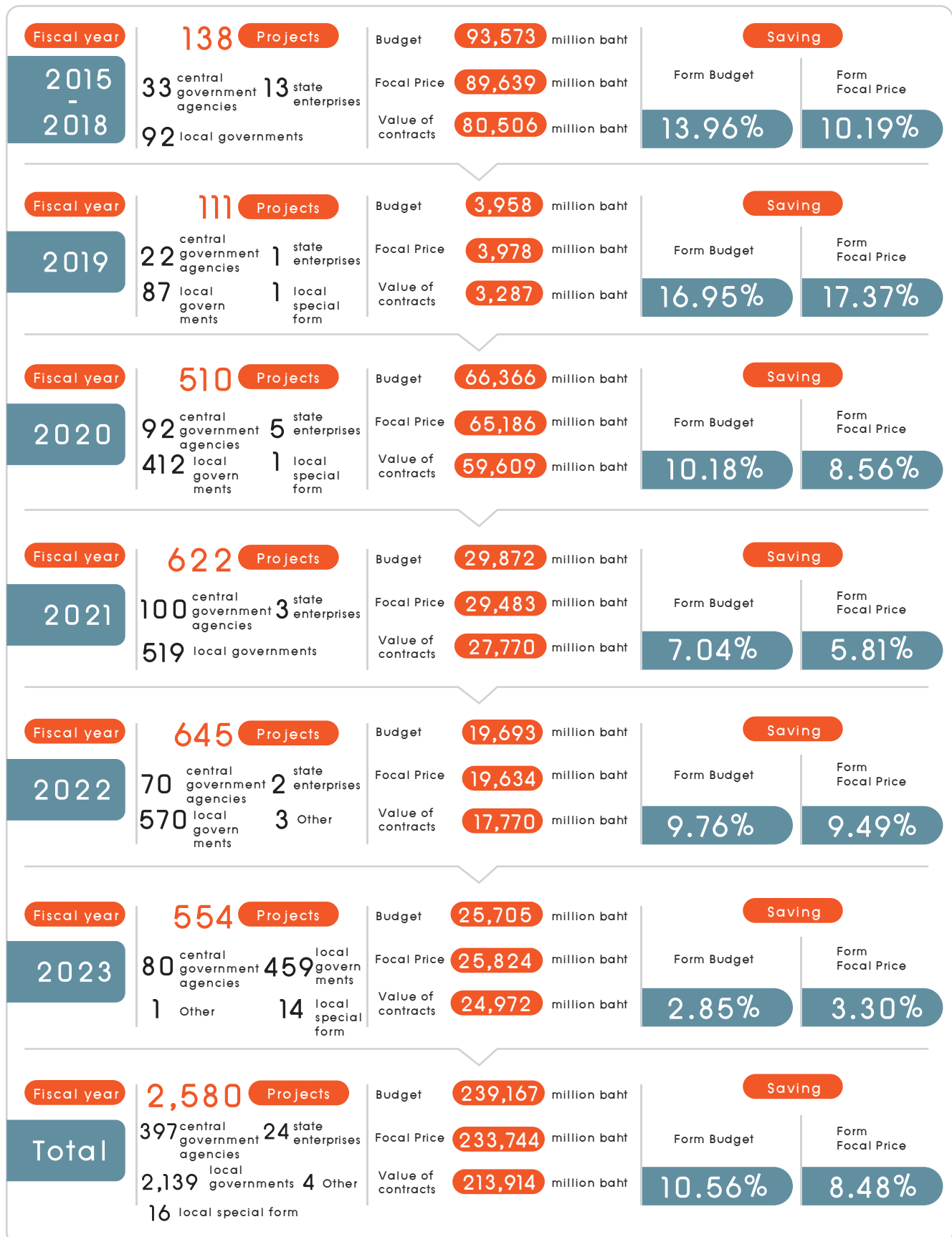
Projects

3 Projects 28 Projects
2 Projects 1 Projects

Value 9,612 million baht

Since the fiscal year 2015 there were a total of 3,185 CoST projects with a total budget of 396,893 million Baht. CoST had determined that the project owners must disclose information via CoST Thailand which is the website under the Comptroller General's Department, at each stage of operation, from the beginning to the end of each project.

There were 2,727 projects selected and disclosed in the CoST system, divided into 2,580 projects that were procured with a combined budget of 239,167 million Baht and with a total contract value of 213,914 million Baht. In addition, the budget was saved about 25,253 million Baht or equivalent to 10.56 percent. The average information disclosure percentage was reported at 88.83 percent.



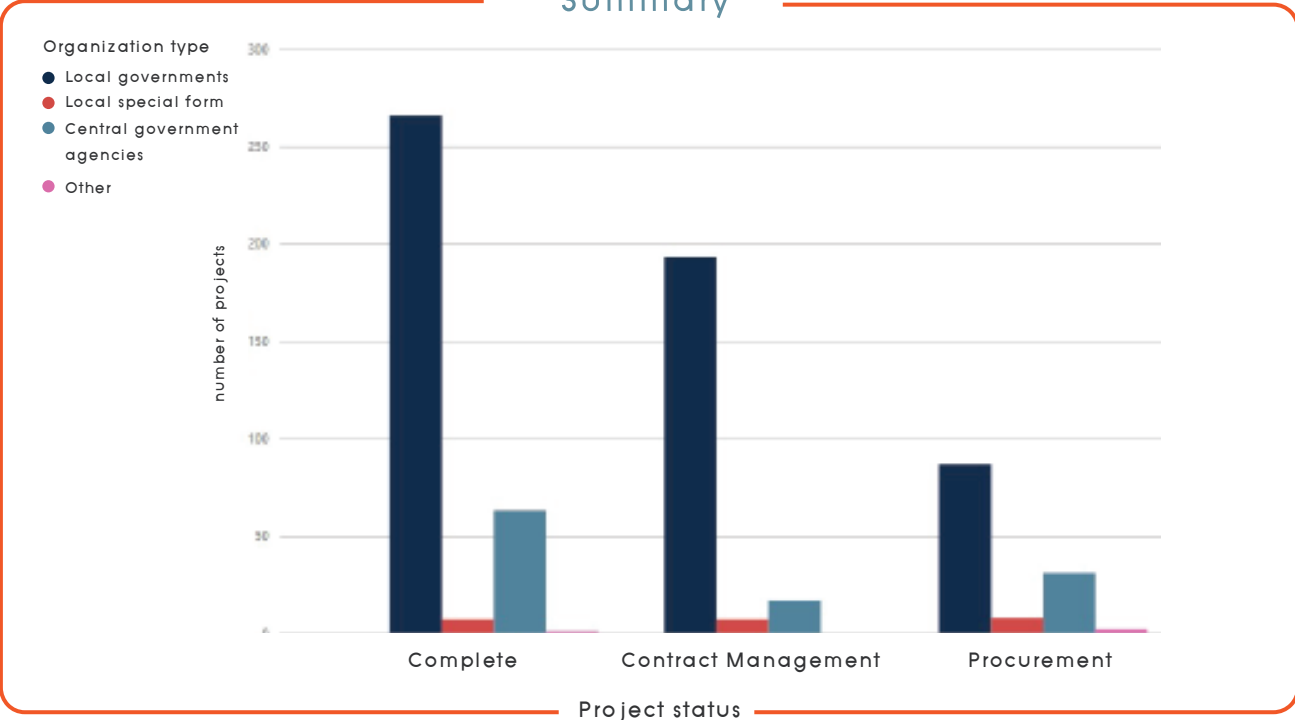
2.1 Average percentage of data disclosure of CoST projects in 2023 was 89.78 percent.

Information as of 20 October 2023

Disclosure of CoST projects by agency type

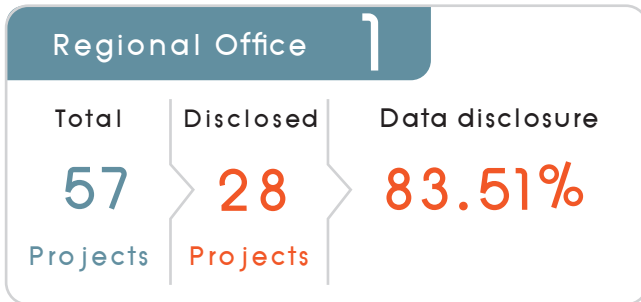
Central government agencies 175 Projects	Disclosed 110 Projects	Data disclosure 85.49%
State enterprises 13 Projects	Disclosed - Projects	Data disclosure -
Provincial Administrative Organization 75 Projects	Disclosed 44 Projects	Data disclosure 90.48%
Municipality 329 Projects	Disclosed 199 Projects	Data disclosure 90.67%
Subdistrict Administrative Organization 459 Projects	Disclosed 303 Projects	Data disclosure 90.32%
Bangkok 25 Projects	Disclosed 22 Projects	Data disclosure 93.65%
Other 6 Projects	Disclosed 3 Projects	Data disclosure 97.62%
Total 1,082 Projects	Disclosed 681 Projects	Data disclosure 89.78%

Summary

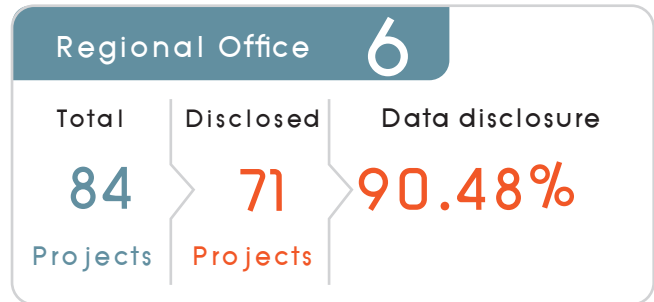


Data disclosure by Area

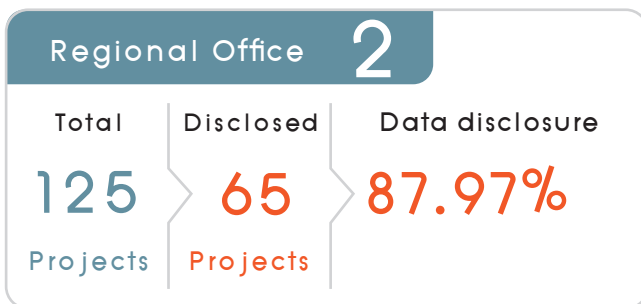
central area



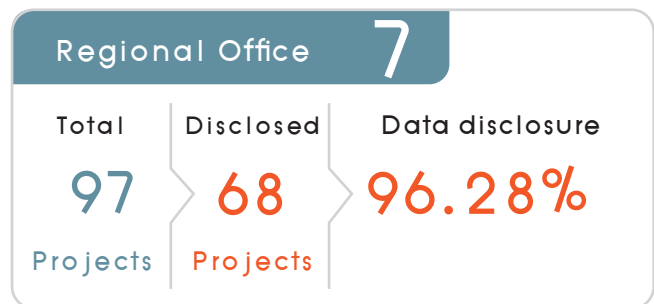
Upper Central Region and the lower North



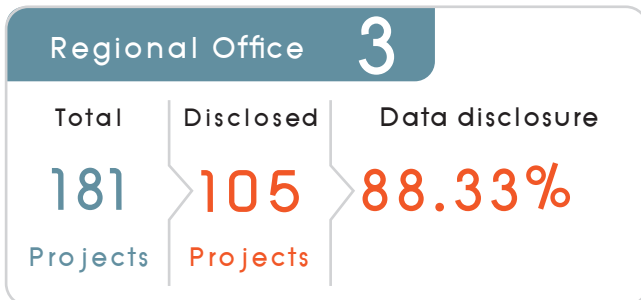
Eastern area



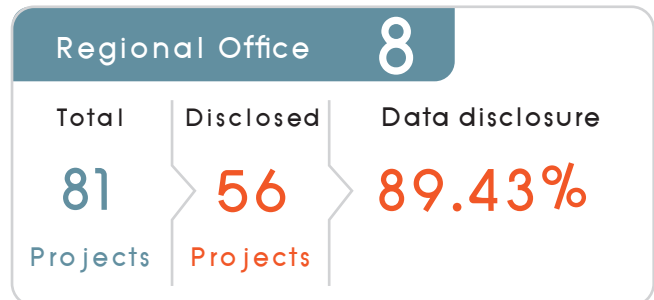
western area



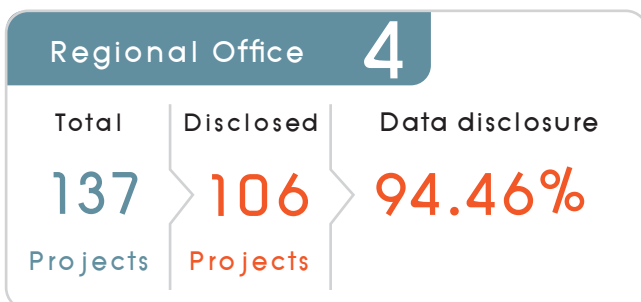
Eastern area lower north



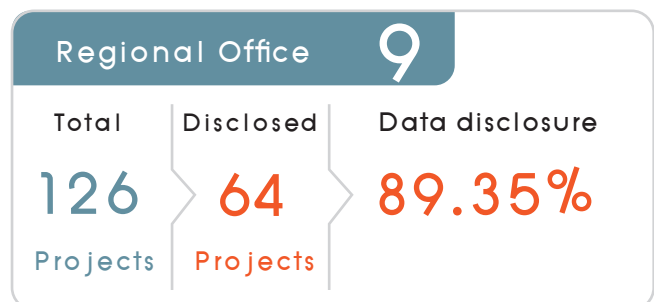
upper southern area



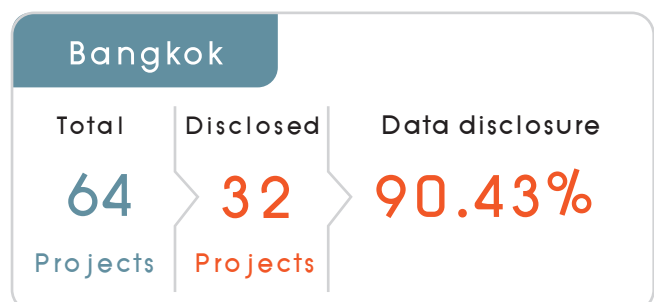
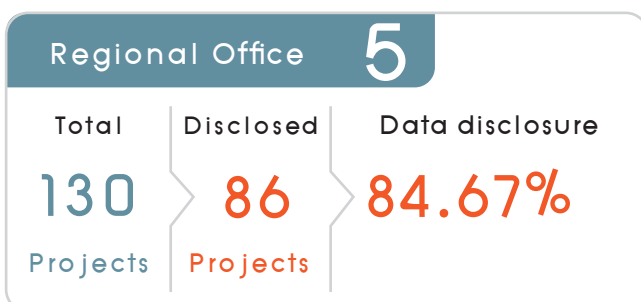
Eastern area upper north



lower southern area



northern area



Data disclosure by project type



Roads and Bridges

510 Projects	Budget 28,608 million baht	Average number of bidders 4.02 per projects	Average Price Competition 11.19%	Data disclosure 90.58%
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Buildings and Museums

100 Projects	Budget 10,870 million baht	Average number of bidders 3.29 per projects	Average Price Competition 8.46%	Data disclosure 88.55%
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Amenities and Public Facilities

32 Projects	Budget 1,453 million baht	Average number of bidders 3.46 per projects	Average Price Competition 12.62%	Data disclosure 86.27%
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Irrigation works

20 Projects	Budget 5,580 million baht	Average number of bidders 3.11 per projects	Average Price Competition 7.10%	Data disclosure 89.44%
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Public Utilities

17 Projects	Budget 195 million baht	Average number of bidders 3.36 per projects	Average Price Competition 12.27%	Data disclosure 85.50%
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Ports

2 Projects	Budget 113 million baht	Average number of bidders 2 per projects	Average Price Competition 6.87%	Data disclosure 83.21%
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CoST Disclosed by Agency

Office of the Prime Minister

2 Projects

Budget **582 million baht**Average bidder **3**Percentage of price competition **-**%Disclosure **100**

Ministry of Defence

3 Projects

Budget **1,542 million baht**Average bidder **3**Percentage of price competition **8.69**%Disclosure **75.98**

Ministry of Finance

7 Projects

Budget **207 million baht**Average bidder **2.71**Percentage of price competition **6.71**%Disclosure **87.01**

Ministry of Tourism and Sports

2 Projects

Budget **77 million baht**Average bidder **5.50**Percentage of price competition **12.83**%Disclosure **96.43**

Ministry of Social Development and Human Security

1 Projects

Budget **9 million baht**Average bidder **2**Percentage of price competition **9.66**%Disclosure **100**

Ministry of Agriculture and Cooperatives

16 Projects

Budget **5,537 million baht**Average bidder **5.33**Percentage of price competition **6.77**%Disclosure **90.22**

Ministry of Transport

37 Projects

Budget **24,859 million baht**Average bidder **3**Percentage of price competition **0.36**%Disclosure **80.80**

Ministry of Natural Resources and Environment

6 Projects

Budget **499 million baht**Average bidder **4**Percentage of price competition **8.34**%Disclosure **95.60**

non-departmental public bodies

2 Projects

Budget **1,556 million baht**Average bidder **2**Percentage of price competition **0.34**%Disclosure **66.91**

Ministry of Energy

1 Projects

Budget **14 million baht**Average bidder **3**Percentage of price competition **3.78**%Disclosure **78.57**

Ministry of the Interior

572 Projects

Budget **9,527 million baht**Average bidder **3.89**Percentage of price competition **11.60**%Disclosure **90.56**

Ministry of Justice

1 Projects

Budget **2 million baht**Average bidder **3**Percentage of price competition **8.70**%Disclosure **90.91**

Ministry of Higher Education, Science, Research and Innovation

19 Projects

Budget **1,126 million baht**Average bidder **3.07**Percentage of price competition **7.30**%Disclosure **88.47**

Ministry of Education

4 Projects

Budget **115 million baht**Average bidder **4**Percentage of price competition **9.50**%Disclosure **90.18**

Ministry of Public Health

6 Projects

Budget **896 million baht**Average bidder **3.17**Percentage of price competition **8.70**%Disclosure **94.64**

Ministry of Culture

1 Projects

Budget **145 million baht**Average bidder **3**Percentage of price competition **1.20**%Disclosure **96.43**

independent entity

1 Projects

Budget **86 million baht**Average bidder **10**Percentage of price competition **16.26**%Disclosure **75**

Data Disclosure by Area

North eastern

187
Projects

Public Utilities	3 Projects	Amenities and Public Facilities	5 Projects
Irrigation works	2 Projects	Roads and Bridges	169 Projects
Buildings and Museums	8 Projects	Ports	- Projects

Northern

134
Projects

Public Utilities	- Projects	Amenities and Public Facilities	3 Projects
Irrigation works	7 Projects	Roads and Bridges	111 Projects
Buildings and Museums	13 Projects	Ports	- Projects

Southern

105
Projects

Public Utilities	5 Projects	Amenities and Public Facilities	4 Projects
Irrigation works	- Projects	Roads and Bridges	90 Projects
Buildings and Museums	5 Projects	Ports	1 Projects

Western

54
Projects

Public Utilities	3 Projects	Amenities and Public Facilities	2 Projects
Irrigation works	- Projects	Roads and Bridges	46 Projects
Buildings and Museums	3 Projects	Ports	- Projects

Eastern

48
Projects

Public Utilities	1 Projects	Amenities and Public Facilities	5 Projects
Irrigation works	- Projects	Roads and Bridges	38 Projects
Buildings and Museums	4 Projects	Ports	- Projects

Central

40
Projects

Public Utilities	3 Projects	Amenities and Public Facilities	11 Projects
Irrigation works	1 Projects	Roads and Bridges	18 Projects
Buildings and Museums	7 Projects	Ports	- Projects

Average data disclosure in 2023
of local administrations were at

90.56%

The chart of data disclosure of each province illustrated that the highest 5 provinces with information disclosure rate and the percentage of their data disclosure rate were higher than average. Such provinces were as follows:

Information as of 20 October 2023

1

Ang Thong

Data disclosure **100%**

2

Sakon Nakhon

Data disclosure **99.87%**

3

Suphan Buri

Data disclosure **99.68%**

4

Uthai Thani

Data disclosure **99.24%**

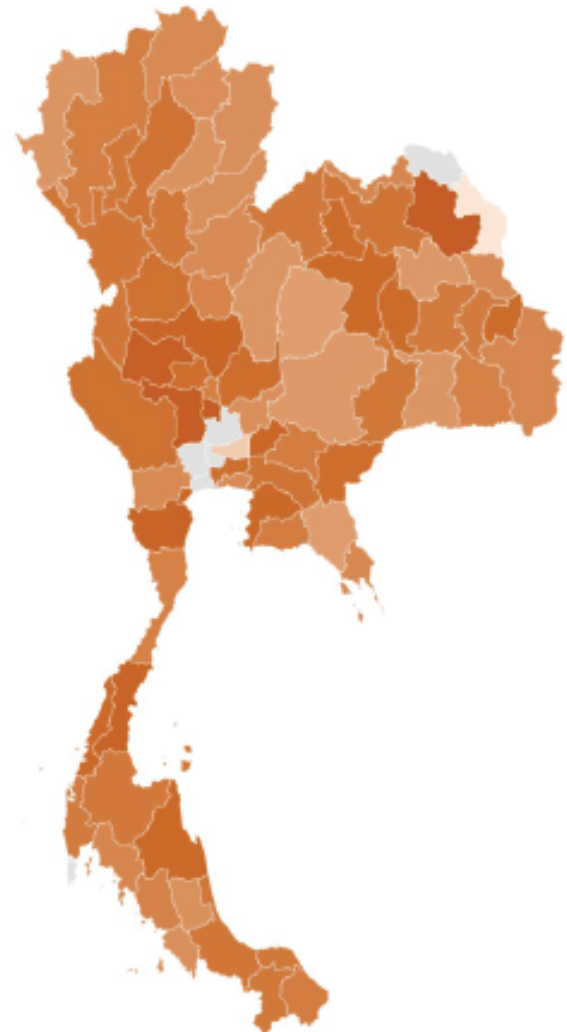
5

Phetchaburi

Data disclosure **97.35%**

% Disclosure

58.82 100.00



In the fiscal year 2023, there were **133** projects of local administrations with data disclosure rate of 100 percent.

4 Provinces with more than **3** projects

1	Sakon Nakhon	>	50 Projects	3	Bangkok	>	6 Projects
2	Suphan Buri	>	29 Projects	4	Surat Thani	>	4 Projects

3 Provinces with **3** projects

1	Nan	2	Samut Prakan	3	Uthai Thani
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12 Provinces with **2** projects

1	Kamphaeng Phet	2	Chachoengsao	3	Tak
4	Buriram	5	Phitsanulok	6	Phetchaburi
7	Roi Et	8	Rayong	9	Lamphun
10	Songkhla	11	Sukhothai	12	Ang Thong

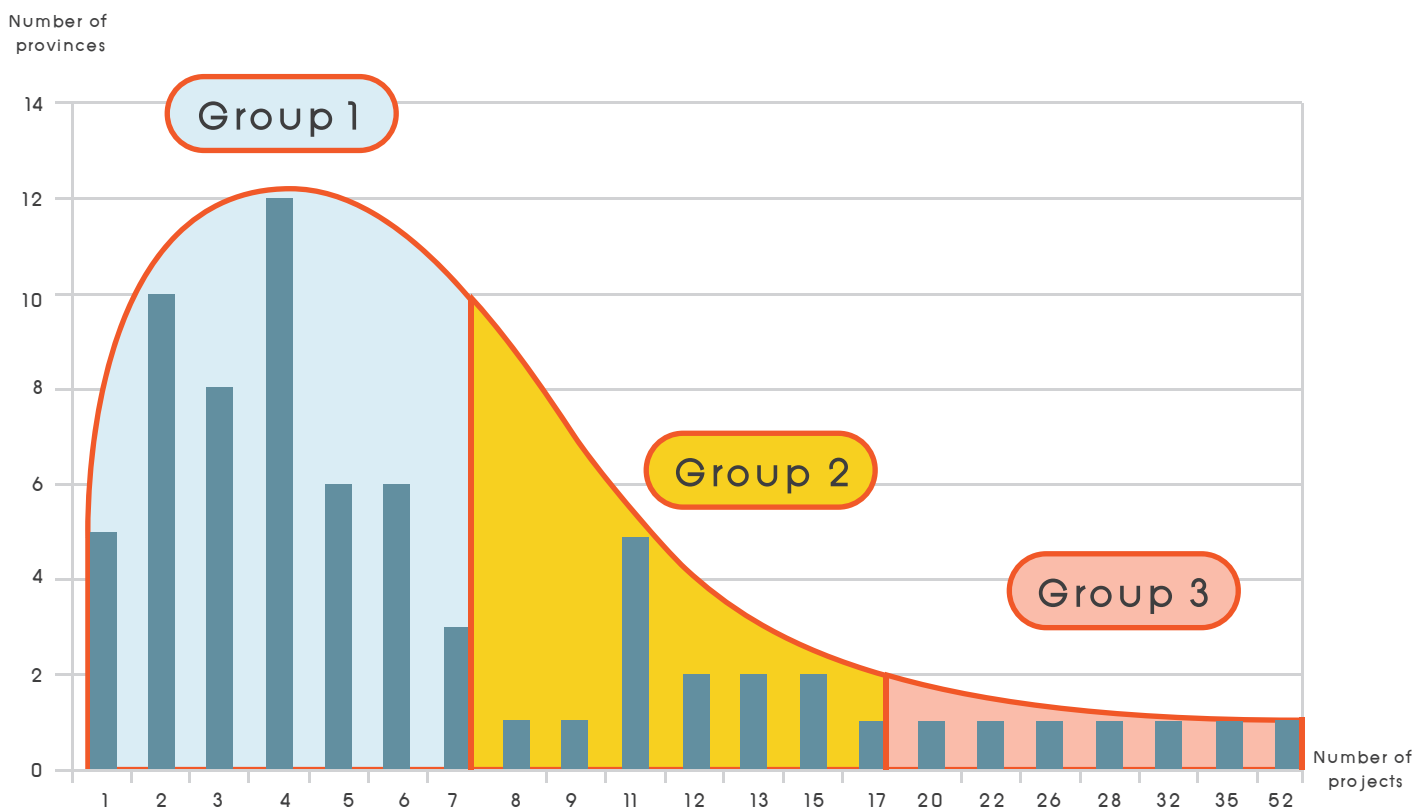
11 Provinces with **1** projects

1	Chonburi	2	Chumphon	3	Chiang Rai
4	Trang	5	Nakhon Si Thammarat	6	Phang Nga
7	Phichit	8	Yasothon	9	Satun
10	Surin	11	Nong Khai		



there were 156 projects with information disclosure rate of 100 percent which consisted of 21 projects at a department level, 133 projects at a local level and 2 projects at other levels.

To ensure more rational ranking of data disclosure, the Assurance Team divided the construction projects at a provincial level into 3 groups where by the provinces with the low number of project were in the same group and those with the high number of project belonged to the same group. This was illustrated the potential of data disclosure as well as being able to build a model of success.



Criteria for consideration

The histogram was made to illustrate the number of projects with information disclosure of each province at a local level. The areas under the histogram were divided into 3 sections equally and each section represented 33.33 percent, making it a total of 100 percent. Besides, data disclosure of each section was ranked to evaluate the efficiency of information disclosure by using information disclosure of each province in the fiscal year of 2023 which can be divided as indicated below:

Group 1 1-7 projects, 50 provinces

1	Ang Thong	Data disclosure 100%	14	Chai Nat	Data disclosure 94.16%	27	Singburi	Data disclosure 89.47%	40	Satun	Data disclosure 83.89%
2	Uthai Thani	Data disclosure 99.24%	15	Sa Kaeo	Data disclosure 93.94%	28	Sisaket	Data disclosure 88.87%	41	Phatthalung	Data disclosure 83.83%
3	Phetchaburi	Data disclosure 97.35%	16	Lop Buri	Data disclosure 93.94%	29	Prachuap Khiri Khan	Data disclosure 88.64%	42	Phrae	Data disclosure 83.00%
4	Chumphon	Data disclosure 97.32%	17	Lampang	Data disclosure 92.33%	30	Phichit	Data disclosure 87.86%	43	Phetchabun	Data disclosure 82.32%
5	Nakhon Sawan	Data disclosure 96.97%	18	Udon Thani	Data disclosure 92.14%	31	Nong Khai	Data disclosure 86.83%	44	Mae Hong Son	Data disclosure 82.14%
6	Samut Songkhram	Data disclosure 96.43%	19	Tak	Data disclosure 91.82%	32	Ubon Ratchathani	Data disclosure 86.68%	45	Kalasin	Data disclosure 81.63%
7	Nakhon Nayok	Data disclosure 96.43%	20	Lamphun	Data disclosure 91.47%	33	Trat	Data disclosure 86.03%	46	Nakhon Ratchasima	Data disclosure 81.18%
8	Chonburi	Data disclosure 95.92%	21	Yala	Data disclosure 91.43%	34	Ratchaburi	Data disclosure 85.71%	47	Chanthaburi	Data disclosure 80.30%
9	Khon Kaen	Data disclosure 95.45%	22	Pattani	Data disclosure 91.21%	35	Samut Prakan	Data disclosure 85.68%	48	Chaiyaphum	Data disclosure 80.23%
10	Ranong	Data disclosure 95.15%	23	Loei	Data disclosure 90.91%	36	Mukdahan	Data disclosure 85.57%	49	Pathum Thani	Data disclosure 66.65%
11	Maha Sarakham	Data disclosure 94.64%	24	Phang Nga	Data disclosure 90.43%	37	Phayao	Data disclosure 84.47%	50	Nakhon Phanom	Data disclosure 58.82%
12	Amnat Charoen	Data disclosure 94.64%	25	Prachinburi	Data disclosure 89.94%	38	Saraburi	Data disclosure 84.17%			
13	Nong Bua Lamphu	Data disclosure 94.64%	26	Chiang Mai	Data disclosure 89.66%	39	Uttaradit	Data disclosure 84.05%			

Group 2 8-20 projects, 15 provinces

1	Nakhon Si Thammarat	Data disclosure 95.49%	5	Songkhla	Data disclosure 91.62%	9	Yasothon	Data disclosure 90.24%	13	Krabi	Data disclosure 87.26%
2	Kanchanaburi	Data disclosure 92.83%	6	Sukhothai	Data disclosure 91.46%	10	Narathiwat	Data disclosure 89.98%	14	Chiang Rai	Data disclosure 85.85%
3	Kamphaeng Phet	Data disclosure 92.81%	7	Surat Thani	Data disclosure 91.05%	11	Rayong	Data disclosure 89.84%	15	Phitsanulok	Data disclosure 85.40%
4	Chachoengsao	Data disclosure 92.15%	8	Roi Et	Data disclosure 90.57%	12	Trang	Data disclosure 88.10%			

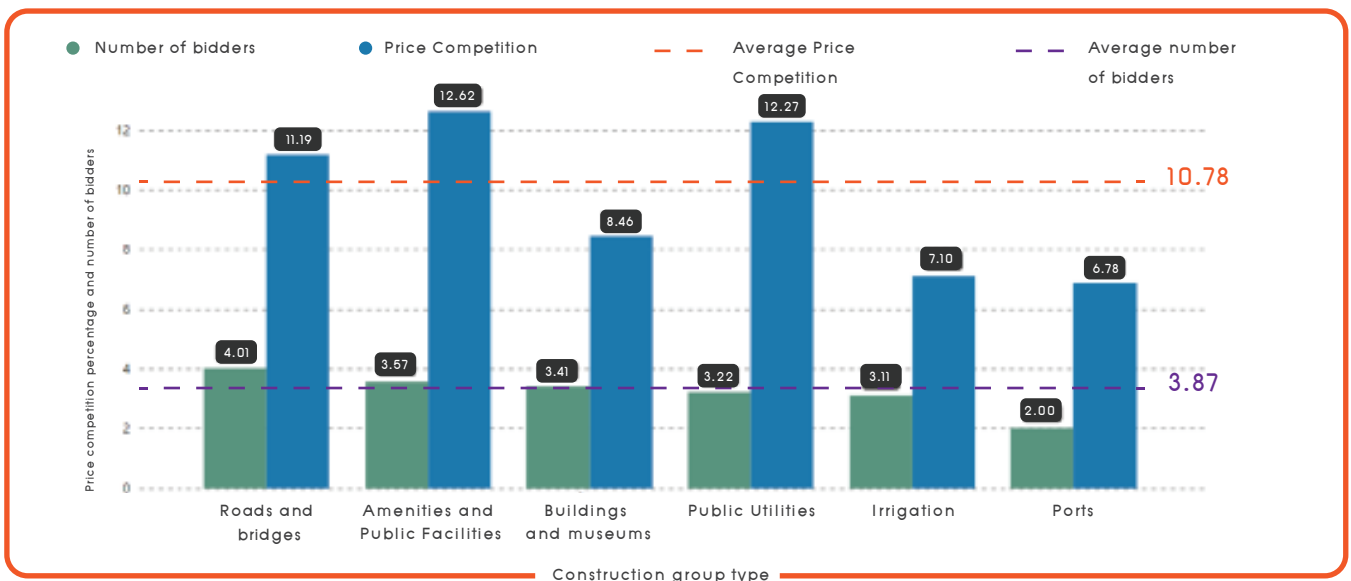
Group 3 over 21 projects, 6 provinces

1	Sakon Nakhon	Data disclosure 99.87%	3	Bangkok	Data disclosure 93.65%	5	Nan	Data disclosure 83.89%
2	Suphanburi	Data disclosure 99.68%	4	Buriram	Data disclosure 91.46%	6	Surin	Data disclosure 82.37%

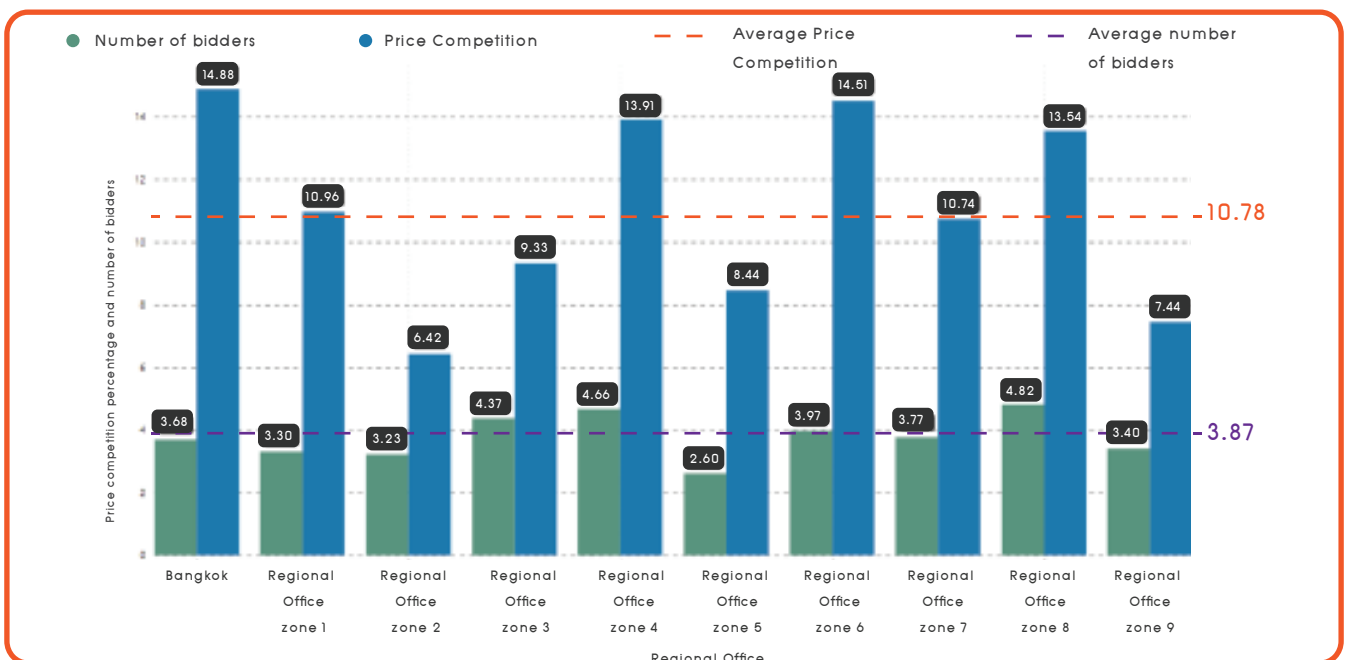
Note : Information as of October 20, 2023, Phra Nakhon Si Ayutthaya, Nonthaburi, Bueng Kan, Nakhon Pathom, Phuket and Samut Sakhon had on project disclosed data on CoST website.

2.2 Project Overview of CoST Thailand

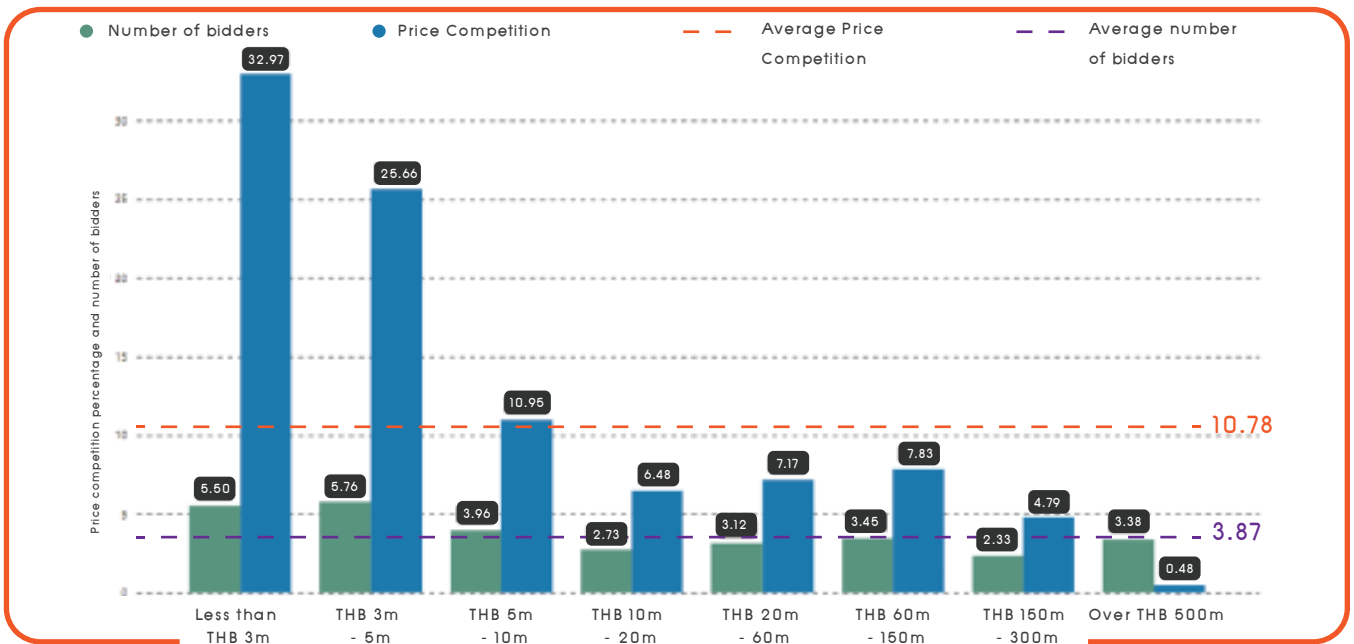
The relation between the average number of bidders and percentage of price competition divided by types of construction work can be concluded that amenities and public facilities and roads and bridges have a percentage of price competition higher than the average (10.78 percent). This year's competition is somewhat higher than in 2022 (7.05 percent). There are approximately 3.87 bidders attending each bid.



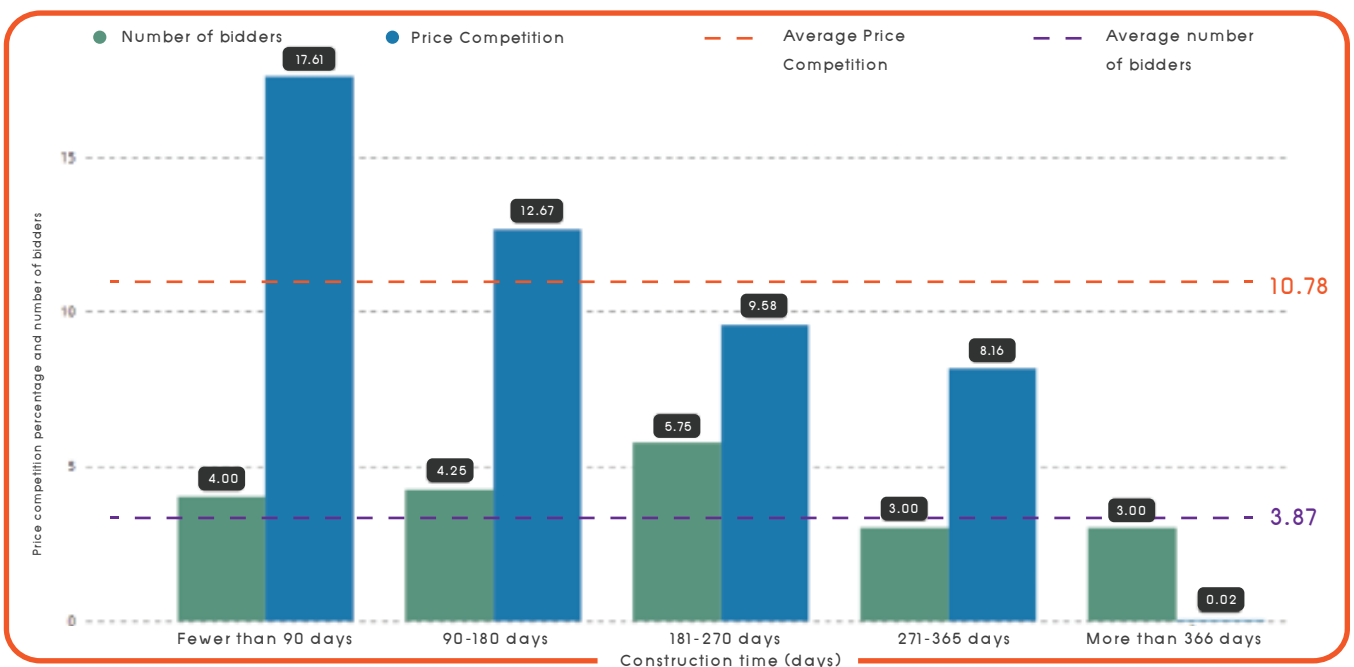
The relation between the average number of bidders attending the bid and the average percentage of price competition divided by areas showed that areas under responsibility of CGD Regional Office Zone 1, 4, 6, 8 and Bangkok Metropolitan reported a relatively high percentage of price competition, compared to other areas.



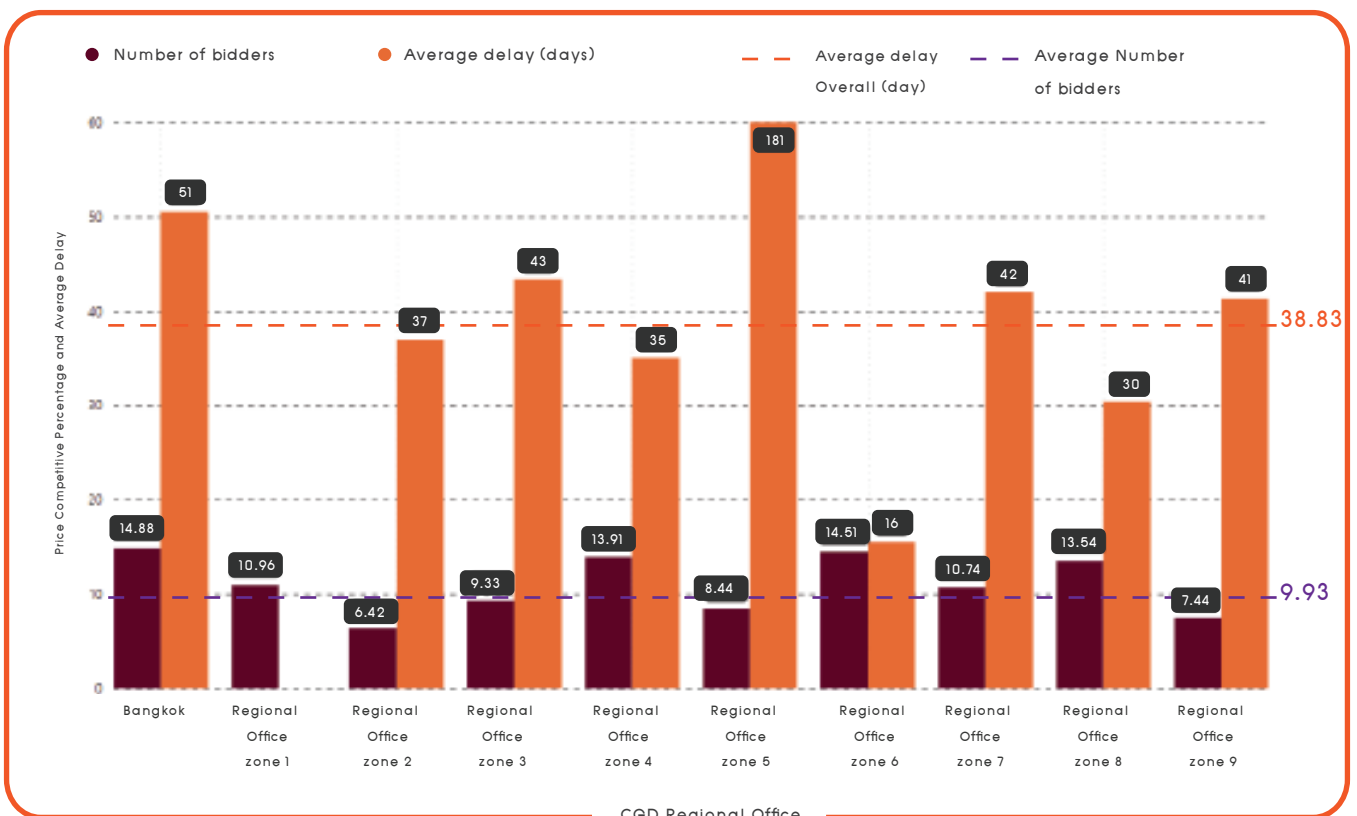
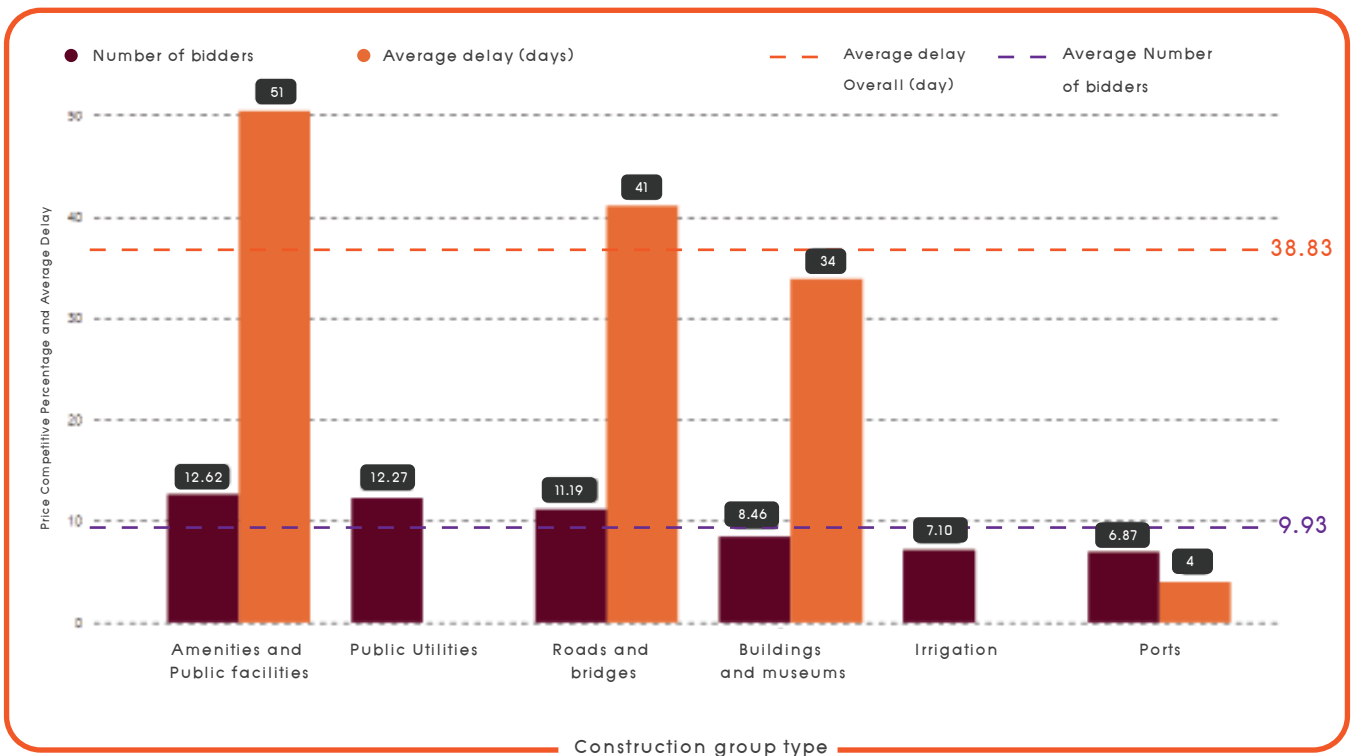
The relation between the number of bidders and the percentage of price competition divided by value of contract had shown that the contract value lower than 3 million Baht had the highest price competition at 32.97 percent with the average bidders attending the bidding was 5.50. The contract value between at 3-5 million Baht which was the budget range under the entrepreneur registration criteria, has established the average price competition was 25.66 percent, and the average number of bidders attending the bidding was 5.76.



As for the relation between an average number of bidders and average price competition, divided by the construction period, the results had shown that the construction period less than 90 days would have high competition. This also reflected that the entrepreneurs were likely to compete in a short-term construction which provide them more liquidity, compared to the construction project of over a 6-month period.



There were 36 time-overrun projects in total, divided by types of construction work. The types of projects with the highest delay (about 51 days) beyond deadline were facilities work. The second most delayed project type were roads and bridges with 41 days delayed beyond the deadline. In terms of area, the CGD Regional Office Zone 5 or the northern region reported the highest rate of project delay of 181 days in total, of which most projects were roads and bridges.



Chapter 3

Results of Assurance Site Visits

For the fiscal year 2022, CoST Thailand MSG select 13 Projects for Assurance site-visit.



Key features of

13 Construction Projects

are similar. For example, data disclosure, both in terms of quantitative and qualitative, is at a good level.



The number of participants



142 participants

69 males

73 females

Projects	1	The construction project of a large ground water system at Baan Daan Makham Tia, Moo 1, Daan Makham Tia subdistrict, Daan Makham Tia Subdistrict Municipality, Kanchanaburi	Project owner: Daan Makham Tia Subdistrict Municipality	Budget : 7.5 million baht	Number of bidder : 8	Price competition : 28.23%	Data Disclosure : 94.29%	Delays : 1 Days
Projects	2	Reinforced concrete road construction project with the drainage system, Sarn Jao route to Baan Mor Nop, Moo 2, Huay Yai subdistrict, Banglamung district, Chonburi,	Project owner: Huay Yai Subdistrict Municipality	Budget : 15 million baht	Number of bidder : 4	Price competition : 0.47%	Data Disclosure : 96.97%	Delays : 43 Days
Projects	3	Asphaltic concrete road surface construction project, Baan Beung Karn route, Moo 4, Nang Kaew Beach subdistrict- Baan Lard Pajjit, Moo 13, Lard Takian subdistrict, Kabinburi district, Prachinburi	Project owner: Prachinburi Provincial Administrative Organization	Budget : 15 million baht	Number of bidder : 3	Price competition : 0.08%	Data Disclosure : 96.97%	Delays : 30 Days
Projects	4	Phuket Provincial Tourism and Sports Office Improvement Project	Project owner: Phuket Provincial Tourism and Sports Office	Budget : 23 million baht	Number of bidder : 5	Price competition : 12.06%	Data Disclosure : 100%	Delays : 1 Days
Projects	5	Drainage tunnel construction project from Bang Bua Canal to the Chao Phraya River	Project owner: Department of Drainage and Sewerage, Bangkok	Budget : 9,600 million baht	Number of bidder : 3	Price competition : 14.01%	Data Disclosure : 100%	Delays : 24 Days
Projects	6	Samran Beach development project by constructing the asphaltic concrete road surface, Nong Wiward route – Koke Rak School, Moo 3,10, Samran Beach district, Trang	Project owner: Samran Beach Subdistrict Administrative Organization	Budget : 8.5 million baht	Number of bidder : 4	Price competition : 2.94%	Data Disclosure : 90.91%	Delays : 43 Days
Projects	7	Four-storey job training building construction project at Sing Buri Technical College	Project owner: Sing Buri Technical College	Budget : 38 million baht	Number of bidder : 6	Price competition : 13.33%	Data Disclosure : 100%	Delays : 25 Days

Projects	8	Reinforced concrete road surface construction project of Daeng Thong Dee Tai road, connecting to 200 years Kosin road
	Project owner: Taparn Hin Municipality	Budget : 7.8 million baht
		Number of bidder : 2
	Price competition : 8.95%	Data Disclosure : 100%
		Delays : On plan
Projects	9	Disaster Prevention and Mitigation Center construction project
	Project owner: Roi Et Municipality	Budget : 15 million baht
		Number of bidder : 3
	Price competition : 0.30%	Data Disclosure : 100%
		Delays : 17 Days
Projects	10	Intensive care patients and inpatients building construction project, Chaiyaphum Hospital, Nai Mueang subdistrict, Mueang Chaiyaphum district, Chaiyaphum
	Project owner: Chaiyaphum Hospital	Budget : 414 million baht
		Number of bidder : 9
	Price competition : 21.12%	Data Disclosure : 100%
		Delays : On plan
Projects	11	Asphaltic concrete pavement repair project, Baan Ta Nao route, Moo 2, Baan Ta Nao, Ta Nao subdistrict, Phupiang district, Nan
	Project owner: Ta Nao Subdistrict Administrative Organization	Budget : 9.9 million baht
		Number of bidder : 2
	Price competition : 2.51%	Data Disclosure : 78.57%
		Delays : 40 Days
Projects	12	Rama 3 – Dao Kanong – Outer Ring Road (west side) Expressway construction project
	Project owner: Expressway Authority of Thailand	Budget : 29 million baht
		Number of bidder : 1
	Price competition : 1.41%	Data Disclosure : 90.91%
		Delays : 1 Days
Projects	13	The improvement project of the isolation room for patients with emerging infectious diseases and patients with severely contagious diseases, Building 7, Bamrasnaradura Infectious Diseases Institute, 2 buildings in total
	Project owner: Department of Disease Control	Budget : 80 million baht
		Number of bidder : 2
	Price competition : 0.16%	Data Disclosure : 96.43%
		Delays : 6 Days

Projects

The construction project of a large ground water system at Baan Daan Makham Tia, Moo 1, Daan Makham Tia subdistrict, Daan Makham Tia Subdistrict Municipality, Kanchanaburi

Project owner : Daan Makham Tia Subdistrict Municipality

Budget

7,500,000.00 baht

Focal price

7,603,539.20 baht

Value of contract

6,063,075.27 baht

Plan

-

Completed

-

Duration

300 Days (From May 17, 2023 until 11 March 2024)

1 Objectives



1. To improve the quality of tap water and ensure its adequacy in response with the public's needs.
2. To improve the quality of life of local people.

2 Detail of the project



The construction project of a large ground water system according to the standards set forth by the Department of Water Resources.

3 Procurement



There were 28 interested document buyers via e-bidding procurement, but only 8 bidders attended the bidding. However, 3 bidders met the qualifications whereas the other 5 bidders did not, since they were unable to submit the "Letter of Guarantee" within the specified deadline.

The winner was **Trakoon Dee On Trading Company Limited**, with the bidding price was 6,113,000.00 Baht lower than focal price for 19.6 percent.

4 Construction status



Under construction period, however at the date randomly inspected, no further operations had been performed and the contract will end on 11 March 2024.

5 Quality



The Division of Public Works of Daan Makham Tia Subdistrict Municipality was responsible for supervising the entire construction as they had experiences in construction management of 2 previous projects. The Department of Public Works and Town & Country Planning Kanchanaburi Office was responsible for the inspection of work quality, construction materials and other tests.

6 Recommendations



- The agency considered whether the delay was pertinent to the criteria of rushing the operation or contract termination or not, according to the guidelines stipulated for the most urgent document dated 1 March 2023 on "Guidelines on rushing the operation as set forth in the contract and the specification of the bidders' qualifications".
- Daan Makham Tia Subdistrict Municipality should manage the project itself and should determine water and service fees, including water system maintenance fees.
- Daan Makham Tia Subdistrict Municipality should set the budget for the upcoming years concerning the efficiency enhancement of water filter system and the elimination of minerals in untreated water.
- Daan Makham Tia Subdistrict Municipality may plan to request for solar cell system from other relevant agencies.



7 Problems and obstacles

Since the contract signing date till July 2023, the contractor did not enter the site and started any operations. The contractor asked to start the construction from October onwards which may cause some construction delays beyond the deadline. Thus, the Subdistrict Municipality must search for suitable solutions to make the contractor realize the importance of the project as well as rush the contractor to start the construction as soon as possible.

8 Public opinions



The public expected to have adequate water supply for consumption in response with their needs as well as preferred clean and good quality water according to the standards set forth by the Ministry of Public Health.

9 Response of the agency



The quality of tap water could not be used for consumption.

10 Summary of public opinions



12 individuals

Male 6

Female 6

with an average age of 51-60

Public outreach prior to the start of the construction

70%

Knowledge of complaints procedures

30%

Extent of public participation in the project

60%

Level of transparency

62%

Project's value for money

52%

Trust and confidence in the quality of construction

62%

Responsiveness of procuring entity to problems

54%

11 Photo



12 Remarks of the construction project



- Since the quality of tap water from the project was not clearly specified; therefore, such tap water could not be used for consumption and was not pertinent to the expectation of the project owner.
- The water level of flowing untreated water source was different between rainy season and drought season; thus, there were some concerns about constructing water pumping system for such untreated water. If the system was installed at a higher ground level to surpass the highest level of water, there would be a problem of water pressure as well. On the other hand, if the system was installed on a lower ground, flood might occur.
- Untreated water from water source flowing through the farming area where sugarcanes and other farm plants were planted might be contaminated with agricultural chemicals. Thus, the project owner should take into consideration tap water manufacturing processes to ensure its consistent quality.

Projects **2** Reinforced concrete road construction project with the drainage system, Sarn Jao route to Baan Mor Nop, Moo 2, Huay Yai subdistrict, Banglamung district, Chonburi.

Project owner : Huay Yai Subdistrict Municipality

Budget

15,463,000.00 baht

Focal price

15,469,217.09 baht

Value of contract

15,397,000.00 baht

Plan

64.57%

Completed

21.32%

Duration

210 Days (From March 28, 2023 until 23 October 2023)

1 Objectives



1. To prevent the public which may be affected by danger from travelling.
2. To facilitate people travelling on this road.
3. To support the expansion of the community.
4. To encourage the government's policy of expanding growth of both cities and rural areas.

2 Detail of the project



To construct a reinforced concrete road with the drainage system and with the surface of 6.0 meters wide, 930 meters long, 0.15 meter thick or equivalent to no less than 5,580 square meters of traffic surface, coupled with u-shaped drainage pipes of 0.50 meter wide, 0.80 meter deep and with a total length of 1,854 meters.

3 Procurement



There were 7 interested document buyers via e-bidding procurement, but only 4 bidders attended the bidding. Two bidders met the qualifications whereas the other two did not.

The winner was P.K. Proactive Company Limited, with the bidding price of 15,397,000.00 Baht, which 72,217.09 Baht lower than the focal price, or equivalent to 0.47 percent.

4 Construction status



Under construction

5 Quality



The Division of Public Works, Huay Yai Subdistrict Municipality was responsible for the entire construction.

6 Recommendations



1. The construction was extremely delayed beyond the established plan. The agency should rush the contractor according to the most urgent document dated 1 March 2023 on "Guidelines on speeding up the operation as stated in the contract and the specification of qualification of the qualified bidders".
2. The Acceptance Committee who was the external parties and selected by the public did not understand the materials acceptance procedures, including technical acceptance procedures. Therefore, the procedures in selecting the Acceptance Committee who was the external parties must take into consideration the individuals with knowledge and expertise.

7 Problems and obstacles



The project was delayed beyond the deadline and the rainy season began which might affect people commuting on this road.

8 Public opinions



The public expected that the project could solve the flood problem as such problem repeatedly occurred every single year.

9 Response of the agency



The agency informed that after the completion of this construction, this would help relieve the flood problem.

10 Summary of public opinions



12 individuals

Male 6

Female 6

with an average age of 41-50

Public outreach prior to the start of the construction

91.67%

Knowledge of complaints procedures

58.33%

Extent of public participation in the project

51.67%

Level of transparency

88.33%

Project's value for money

88.33%

Trust and confidence in the quality of construction

90%

Responsiveness of procuring entity to problems

73.33%

11 Photo



12 Remarks of the construction project



- The project was delayed beyond the established plan as the contractor started the construction work later than the specified date and sometimes did not enter the site during the construction.
- The project owner did not calculate the volume of water in the area, resulting in the inappropriate size of the drainage pipes. In addition, the technical specification did not specify the total strength of the entire construction and the construction plan did not specify the Spec. C.B.R. of the sub-base, including the slope ratio of the drainage pipes. Thus, the Acceptance Committee did not acknowledge which criteria to be employed for judging the specifications.

Projects **3** Asphaltic concrete road surface construction project, Baan Beung Karn route, Moo 4, Nang Kaew Beach subdistrict- Baan Lard Paijit, Moo 13, Lard Takian subdistrict, Kabinburi district, Prachinburi

The project owner : Prachinburi Provincial Administrative Organization

Budget 15,081,000.00 baht	Focal price 15,081,711.53 baht	Value of contract 15,070,000.00 baht
Plan 99%	Completed 69%	Duration 140 Days (From April 4, 2023 until 21 August 2023)

1 Objectives



To ensure that the road would be in good quality people to travel more conveniently and faster.

2 Detail of the project



Asphaltic concrete road construction with 6 meters wide of traffic surface, 0.05 meter thick (no shoulder) from km.0+000 to km.0+990 and with a total distance of 0.990 kilometers according to the drawing of Prachinburi Provincial Administrative Organization.

3 Procurement



There were 23 interested document buyers attending the e-bidding procurement, but only 3 bidders attended the bidding. However, only one bidder met the qualifications whereas the other 2 bidders did not. The winner was **Benjawan Construction and Services Limited Partnership**, with the bidding price of 15,070,000.00 Baht, approximately 11,711.53 Baht lower than the reference price, or equivalent to 0.08 percent.

4 Construction status



Under construction

5 Quality



The Division of Public Works, Prachinburi Provincial Administrative Organization, was responsible for the entire construction since they were the project owners and possessed experiences in many road construction projects. This project employed the standardized road construction plan as stipulated by the Department of Highways. As for the testing of construction materials, work and material quality certification, the Office of Rural Roads 13 (Chacherngsao) would perform the testing.

6 Recommendations



The project had not been submitted and requested for payment term although the progress of construction was reported at 69 percent. Therefore, Prachinburi Provincial Administrative Organization should urge the contractor to submit the finished work in order according to the plan. It would benefit the contractor while also encouraging the economic flow of the country.

7 Problems and obstacles



The construction was relatively delayed beyond the deadline and the upcoming rainy season may affect people commuting on this road and flood may occur.

8 Public opinions



The public preferred to have guardrails and lighting installed.

9 Response of the agency

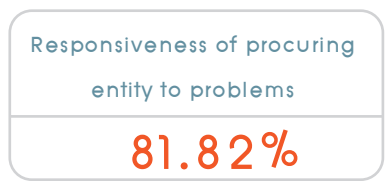
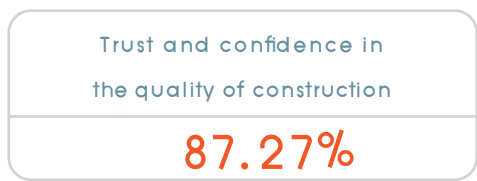
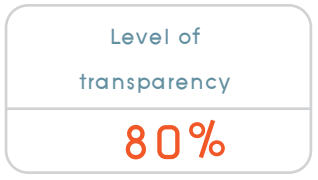
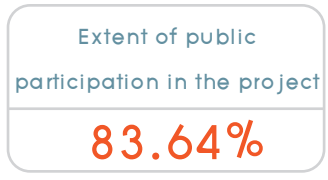
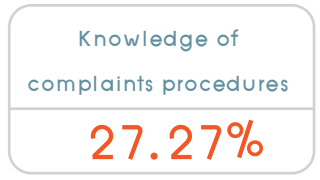
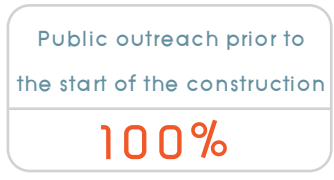


The agency acknowledged the issue for further consideration.

10 Summary of public opinions



11 individuals | Male 4 | Female 7 | with an average age of 51-60



11 Photo



12 Remarks of the construction project



- The construction was delayed which might incur inconvenience for people commuting on this road, including local people and people living nearby.

Projects

4

Phuket Provincial Tourism and Sports Office Improvement Project

Project owner : Phuket Provincial Tourism and Sports Office**Budget**

23,195,400.00 baht

Focal price

23,195,400.00 baht

Value of contract

20,397,000.00 baht

Plan

12%

Completed

15%

Duration300 Days (From March 28, 2023
until 21 January 2024)**1 Objectives**

To improve the architectural structure, system work and Phuket Provincial Tourism and Sports Office building to be safer for usage while ensuring that the building would have the Chino-Portuguese architectural design.

2 Detail of the project

To construct and improve the architectural structure, system work and Phuket Provincial Tourism and Sports Office building.

3 Procurement

Five interested bidders attended the e-bidding procurement, 4 bidders met the qualifications whereas one bidder did not due to lack of the Letter of guarantee.

The winner was Sasivarai Construction Company Limited, with the bidding price of 20,397,000.00 Baht, approximately 2,798,400.00 Baht lower than the reference price, or equivalent to 12.06 percent.

4 Construction status

Under construction

5 Quality

The construction project was supervised and approved by the Department of Public Works and town & country Planning Phuket Office for the design, the private sector was hired to be responsible for the design while Phuket Provincial Public Works and Town & Country Planning was responsible for the design certification.

6 Recommendations

- The agency should appoint a construction control advisor to ensure high-quality and standardized work.
- The Tourism Office and the Guide Office should consult with one another regarding the allocation of usable area so that the contractor could complete the electric wiring process without making additional wirings afterwards.

7 Problems and obstacles

1. Climate condition made the work operated on the rooftop unable to be accomplished according to the established plan.
2. Equipment and electric wires already prepared for installation inside the building were stolen.

8 Public opinions



1. The public were concerned about inadequate toilets.
2. The public preferred that the project owner should build ramps for the disabled.
3. The public were concerned about the most efficient use of the Guide Office, including the service area for the public.

9 Response of the agency



1. Since the toilets of the Sports Complex are inadequate, in a case that the Provincial Administrative Organization could build more toilets, the problem concerning inadequate toilets of the Tourism Office could be minimized.
2. For the building of ramps for the disabled, the agency would consider and find further solutions.
3. The agency would consult with the Guide Office to find the solution in allocating adequate space to respond to the customers' needs.

10 Summary of public opinions



10 individuals

Male 10

Female -

with an average age of 41-50

Public outreach prior to the start of construction

70%

Knowledge of complaints procedures

40%

Extent of public participation in the project

78%

Level of transparency

74%

Project's value for money

76%

Trust and confidence in the quality of construction

74%

Responsiveness of procuring entity to problems

66%

11 Photo



12 Remarks of the construction project



- Climate condition made it unable for the rooftop work to be completed within the specified deadline of each work installment.
- The contractor left some materials being removed from the building wall or floor and this might incur risks to the building structure in that the old building might collapse.
- The ready-made septic tank had a treatment capacity of 4 cubic meters per day. However, the project owner did not calculate the volume of wastewater that the septic tank could support and there might incur potential risks that the treatment system could not treat wastewater according to the established standards.
- The Work Acceptance Committee was the agency's personnel who did not possess knowledge and experience in construction. Besides, the construction supervisor must ask for assistance from other agencies.

Projects **5** Drainage tunnel construction project from Bang Bua Canal to the Chao Phraya River

Project owner : Department of Drainage and Sewerage, Bangkok

Budget 9,600,000,000.00 baht	Focal price 9,574,200,000.00 baht	Value of contract 8,233,300,000.00 baht
Plan 31.43%	Completed 8.92%	Duration 1,800 Days (From September 9, 2021 until 13 August 2026)

1 Objectives

To prevent and solve the flood problems in Bangkok by enhancing the efficiency of the drainage system in Bangkok Metropolitan area such as Don Mueang, Lak Si, Sai Mai, Bang Khen and Chatuchak districts, which encompassed the approximate area of 109 square kilometers.

2 Detail of the project

To construct the pumping station and drainage building with the capacity of 60 cubic meters/second and to build 4 intake structures, coupled with the tunnel of 5.70 meters in diameter and approximate 13.40 kilometers in length.

3 Procurement

There were 9 interested document buyers via e-GP, but only 3 bidders attended the bidding.

The winner was ITD-NWR Joint Ventures, with the bidding price of 8,233,300.00 Baht, approximately 1,340,900.00 Baht lower than the reference price, or equivalent to 14.01 percent.

4 Construction status

Under construction and delayed beyond the plan of about 22.51 percent.

5 Quality

The construction project of Prem Prachakorn Canal water discharge tunnel had specified the construction standards and qualifications of main water pumping machine and other accompanying equipment, automatic garbage collection machine and conveyor system according to the drawing plan set forth by Bangkok Metropolitan. The project's consultant was responsible for supervising the construction to be in line with the established standards and plan as well as monitoring the construction, work quality and testing throughout the entire construction duration.

6 Recommendations

1. During the construction of the intake structures of Prem Prachakorn Canal, Bang Bua Canal section, Wat Lak Si section and the intake structure at Bang Khen Canal section, the intake structure at Rachadapisek road and the pumping station at Soong Canal may have dust from construction, including noise pollution which in turn, may affect people living nearby; thus, the contractor should prepare some preventive measures.
2. The agency should publicize to ensure the public's awareness of the construction as well as prevent any potential problems while informing them with the complaint channels.

7 Problems and obstacles

The contractor could not start the construction of the intake structures in Bang Bua Canal, Wat Lak Si and Bang Khen Canal since people invaded and lived on the land specified as the installed locations of the intake structures.

8 Public opinions



There was an opinion that the agency should make suitable compensation for the local people.

9 Response of the agency



-

10 Summary of public opinions



9 individuals

Male 2

Female 7

with an average age of 51-60

Public outreach prior to the start of construction

100%

Knowledge of complaints procedures

33.33%

Extent of public participation in the project

71.11%

Level of transparency

66.67%

Project's value for money

62.22%

Trust and confidence in the quality of construction

64.44%

Responsiveness of procuring entity to problems

68.89%

11 Photo



12 Remarks of the construction project



- Bang Bua Canal intake structure had some buildings to be moved out of the area. There was a total of 23 intruding buildings, making the contractors unable to enter the construction site.
- Prem Prachakorn Canal intake structure, Wat Lak Si section, had some buildings intruding the construction site and local people refused to move out of the area, making the contractors unable to enter the construction site. There was a total of 19 intruding houses.
- Prem Prachakorn Canal intake structure, Bang Khen Canal section, had some buildings intruding the construction site and local people refused to move out of the area, making the contractors unable to enter the construction site. There was a total of 45 intruding houses.
- Local people living near the construction site at Bang Khen and Bang Bua Canal sections did not cooperate and refused to move out of the area, rendering a direct impact on the project success. At present, the impacts are somewhat severe, and it was forecasted that the construction might be delayed up to 19 months.

Projects **6** Samran Beach development project by constructing the asphaltic concrete road surface,
Nong Wiward route – Koke Rak School, Moo 3,10, Samran Beach district, Trang

Project owner : Samran Beach Subdistrict Administrative Organization

Budget

8,519,000.00 baht

Focal price

8,756,024.11 baht

Value of contract

8,498,500.00 baht

Plan

100%

Completed

100%

Duration

150 Days (From 20 May 2023
Until 16 October 2023)

1 Objectives



1. To construct Nong Wiward – Koke Rak School road, Moo 3,10 to have the specified standards while being stable and robust to ensure safety of lives and assets.
2. To ensure convenience in travelling.
3. To promote and develop route for transportation of agricultural products (rubber, palm oil), including marine products.
4. To support potentially increasing traffic congestion in the future.

2 Detail of the project



To construct the road with 5 meters wide, 1,606 meters long, 0.05 meter thick or with the area no less than 8,025 square meters according to the rural road standards.

3 Procurement



There were 18 interesting document buyers via e-bidding procurement, but only 4 bidders attended the bidding. Two bidders met the qualification whereas the other 2 did not.

The winner was Loh Kijakarn Tang Limited Partnership, with the bidding price of 8,498,500.00 Baht, approximately 257,524.11 Baht lower than the reference price, or equivalent to 2.94 percent.

4 Construction status



The construction has been completed as planned.

5 Quality



This project was tested for the construction materials, works and the quality of materials and the construction works were certified by Srivichai University, Songkhla and Office of the Rural Roads.

6 Recommendations



The agency should install lighting and guardrails for the safety of all people travelling on this road.

7 Problems and obstacles



Most of the construction area were rice fields, so it was covered with water all the time, making the soil soft and might result in soil subsidence in the future.

8 Public opinions



The public preferred more lighting and warning signs.

9 Response of the agency



The agency may install solar cell lighting poles to increase brightness.

10 Summary of public opinions



10 individuals

Male 2

Female 8

with an average age of 51-60

Public outreach prior to the start of the construction

80%

Knowledge of complaints procedures

70%

Extent of public participation in the project

98%

Level of transparency

96%

Project's value for money

96%

Trust and confidence in the quality of construction

94%

Responsiveness of procuring entity to problems

80%

11 Photo



12 Remarks of the construction project



- Some routes of the project area were winding and the construction plan did not indicate any guideposts and guard rails. Therefore, people travelling on this road were concerned about safety issues, particularly during nighttime or under inadequate lighting conditions.

- There was irrelevant information concerning 8 sets of installed traffic lights. The traffic lights installation was indicated in the TOR; however, such traffic lights installation could not be found in the reference price document and around the construction.

- There was irrelevant information concerning the number of drainage pipes installation, with 0.6 meter in diameter. The TOR indicated that there should be 3 installation points of drainage pipes, but the reference price document showed 4 installation points. The project owner explained that the fourth installation point was a result of the public's request which was not specified in the TOR.

Project owner : Sing Buri Technical College

Budget

38,549,000.00 baht

Focal price

38,999,211.93 baht

Value of contract

33,800,000.00 baht

Plan

20%

Completed

10%

Duration

490 Days (From 8 April 2023
until 9 August 2024)

1 Objectives



1. To construct the building to replace the existing building which was dilapidated and may incur danger to the students, including any properties of Sing Buri Technical College.
2. To ensure adequate space to organize teaching and learning activities as well as enhance learning efficiency.

2 Detail of the project



To construct the building of Sing Buri Technical College for students' job training. The building consists of 4 storeys with a total area of 4,000 square meters.

3 Procurement



There were 49 interested document buyers attending the e-bidding procurement, but only 6 bidders attended the bidding and all of these 6 bidders met the qualifications.

The winner was Poom Pruek Construction, with the bidding price of 33,800,000.00 Baht, approximately 5,199,211.93 Baht lower than the reference price, or equivalent to 13.33 percent.

4 Construction status



Under construction. The construction project was 40 days delayed beyond Plan.

5 Quality



The drawing plan used in the construction of the 4-storey job training building of Sing Buri Technical College was the standardized plan according to the standards of buildings and construction works stipulated by Office of the Vocational Education Commission. The College's lecturers also supervised the construction and acted as the Acceptance Committee. Sing Buri's Office of Public Works and Town & Country Planning was responsible for inspecting the work quality.

6 Recommendations



The Working Group of Sing Buri Technical College responsible for this construction project should visit the site to have an understanding, inquire problems and potential impacts arising from the construction as well as inform any news and progresses of the construction to ensure the acknowledgement of people living nearby, to collaboratively find some preventive measures.

7 Problems and obstacles



1. Limited construction area
2. Existing building was removed, causing the delay in construction
3. Teaching and learning were held during the construction.

8 Public opinions



There were some concerns about dirt bouncing into people's living areas, including dust and noise problems.

9 Response of the agency



1. The contractor installed a shading net and watered the area more frequently to prevent dust from getting inside.
2. The contractor collaboratively found the problem solution with people being affected by the loud noise.

10 Summary of public opinions



13 individuals

Male 11

Female 2

with an average age of 15-30

Public outreach prior to the start of construction

61.54%

Knowledge of complaints procedures

69.23%

Extent of public participation in the project

69.23%

Level of transparency

89.23%

Project's value for money

86.15%

Trust and confidence in the quality of construction

84.62%

Responsiveness of procuring entity to problems

76.92%

11 Photo



12 Remarks of the construction project



- Delayed operation since the construction site had limited space and there was only one entrance and exit. The area was relatively low, so it was covered with flood most of the time. The area was also adjacent to the river; thus, there was also a problem of soft soil which directly affected the foundation's strength and became an obstacle to the construction. Besides, there was teaching and learning during construction.
- There was a large amount of soil used to make the foundation, which was left inside the College's area, including material parts removed from the existing building, resulting in fewer usable areas of the College.
- Use of the high crane at the construction site may cause some concerns about public safety, including the safety of the students. However, the contractor must be well-trained in terms of safety use of the machine.
- The building's usable area was being managed and additional durable articles were needed as well as the improvement and allocation of the area inside the new building must be employed to its fullest potential.

Projects **8** Reinforced concrete road surface construction project of Daeng Thong Dee Tai road, connecting to 200 years Kosin road

Project owner : Taparn Hin Municipality

Budget

7,876,000.00 baht

Focal price

7,724,210.81 baht

Value of contract

7,033,000.00 baht

Plan

20%

Completed

10%

Duration

220 Days (From February 22, 2023
Until 29 September 2023)

1 Objectives



1. To ensure convenience for people travelling on this road.
2. To speed up the drainage system.

2 Detail of the project



The improvement of reinforced concrete road surface of Daeng Thong Dee Tai road, connecting to 200 Years Kosin road (near the police booth from Siam Wanich intersection to Chao Mae Pradu Temple intersection), with Portland cement concrete pavement of 0.20 meter thick (use metal grating) and the total area of no less than 9,289 square meters.

3 Procurement



There were 9 interested document bidders attending the e-bidding procurement, but only 2 bidders attended the bidding. However, both bidders met the qualifications and technical criteria.

The winner was Praveen Construction Limited Partnership, with the bidding price of 7,033,000.00 Baht, approximately 693,210.81 Baht lower than the reference price, or equivalent to 8.95 percent.

4 Construction status



Under the construction

5 Quality



The Division of Public Works of Mueang Tapan Hin Municipality was responsible for hiring an engineer with license for professional practice who also supervised the construction. The Department of Public Works and Town & Country Planning Phichit Office was responsible for testing the construction materials, works as well as certifying the material quality and work as stipulated.

6 Recommendations



Curb stone construction was characterized by a concrete work laid along the road curb to prevent rain from getting into people's houses and stores. Nonetheless, this might become an obstacle in getting in and out of their premises since the new curb was higher than the existing surface. Therefore, the Division of Public Works should collaborate and consult with people being affected by this construction. Besides, the entrance and exit should be prepared to make it more convenient and suitable for further use.

7 Problems and obstacles



The improved concrete road surface was higher than the existing surface (both sides) of about 20 centimeters. This might become an obstacle for people during the entrance and exit of their houses and stores.

8 Public opinions



1. The public were concerned that their houses would be lower than the street level and water might get inside their houses.
2. There were some concerns that there would be a problem concerning slopes in getting in and out of their houses after the construction was completed.

9 Response of the agency



1. Mueang Tapan Hin Municipality would solve problems by adjusting pipes during construction.
2. People being affected by slopes in entering and exiting could file complaints to Mueang Tapan Hin Municipality for further action.

10 Summary of public opinions



12 individuals

Male 6

Female 6

with an average age of 61

Public outreach prior to the start of construction

91.67%

Knowledge of complaints procedures

33.33%

Extent of public participation in the project

86.67%

Level of transparency

91.67%

Project's value for money

80%

Trust and confidence in the quality of construction

76.67%

Responsiveness of procuring entity to problems

80%

11 Photo



12 Remarks of the construction project



- The contractor started the construction work late about 3 months while the first work installment could not be delivered before the third work installment, which was the last work installment. This was due to the fact that work details were irrelevant to the disbursement; thus, the contractor could not withdraw money, resulting in delayed construction project beyond deadline.
- The level of the new road surface was higher than the level of people's houses; thus, there may be a risk that water would flow into their houses and many houses' entrances and exits were blocked.
- The road constructed was located on the wastewater collection pipes of the municipality; thus, there might be a risk that these pipes would be broken.
- The construction might affect people's travelling since it was the main road connecting to various areas where they needed to be closed for complete construction. However, there were no warning signs to remind the public of other routes.

Projects 9 Disaster Prevention and Mitigation Center construction project

Project owner : Roi Et Municipality

Budget 15,600,000.00 baht	Focal price 15,605,048.76 baht	Value of contract 15,558,000.00 baht
Plan 28.40%	Completed 11.57%	Duration 360 Days (From March 30, 2023 until 23 March 2024)

1 Objectives

1. To be employed as a resting building for disaster prevention and mitigation officers in preparing themselves for any upcoming disasters.
2. To store official properties such as disaster-related machines, equipment and tools to ensure their prompt operation and usage.
3. To become a communication center for informing any disasters, cooperating and assisting the victims.
4. To be used as a location for the disaster mitigation cooperation center and operation room
5. To be used as a location for Civil Defense Volunteer Center.
6. To be used as an official meeting room which can accommodate up to 100 participants.

2 Detail of the project

To construct the Disaster Prevention and Mitigation Operation Center according to the plan set forth by Roi Et Municipality. The construction project consisted of 1. Resting building 2. Meeting building 3. Water reservoir building 4. Cover way.

3 Procurement

There were 3 bidders attending the e-bidding procurement, but only one bidder met the qualifications whereas the other 2 did not, since one bidder failed to submit guarantee documents to the Committee and the other bidder did not have work certification documents.

The winner was **Dinsosaeng Construction**, with the bidding price of 15,558,000.00 Baht, approximately 47,048 Baht lower than the reference price, or equivalent to 0.30 percent.

4 Construction status

Under construction

5 Quality

The agency appointed their executives as the Acceptance Committee. The Committee members possessed direct expertise in engineering.

6 Recommendations

The work periods were not appropriate as the operations in the Center were constantly going on and there were 30 officers on duty who still needed the existing building, making it unable to be removed. Thus, the contractor could not withdraw work installment payment until the new building would be completely built.

7 Problems and obstacles



1. Lack of construction workers as the construction started during the planting season, resulting in some construction delays.
2. The wages were rather low; therefore, the laborers did not want to do this job.

8 Public opinions



There was an expectation of parking garages or parking buildings, including more equipment or tools for operation.

9 Response of the agency



The agency explained that they would proceed promptly when the budget is granted.

10 Summary of public opinions



9 individuals

Male 5

Female 4

with an average age of 51-60

Public outreach prior to the start of construction

66.67%

Knowledge of complaints procedures

66.67%

Extent of public participation in the project

82.22%

Level of transparency

84.44%

Project's value for money

82.22%

Trust and confidence in the quality of construction

82.22%

Responsiveness of procuring entity to problems

64.44%

11 Photo



12 Remarks of the construction project



- The agency specified that the existing resting building must be completely removed prior to the start of the new building construction. This was considered irrelevant to the operation of the Disaster Prevention and Mitigation Operation Center since the officers constantly performed their duty and they required the resting building when they were on duty. Thus, it was unable to remove the existing building.
- Lack of construction workers since the construction started during the planting season, resulting in a construction delay. Also, the labor wages were relatively low.
- The project specified work periods inconsistent with actual operation. The first work period specified that the existing building must be completely removed, resulting in fewer bidders attending the bidding. However, the project owner adjusted the work periods afterwards, prior to actual contract signing.

Projects **10** Intensive care building construction project, with 300 beds in total. An 8-storey reinforced concrete building Chaiyaphum Hospital, Mueang Chaiyaphum district,

Project owner : Chaiyaphum Hospital

Budget

414,857,400.00 baht

Focal price

404,971,600.00 baht

Value of contract

319,428,988.00 baht

Plan

9.50%

Completed

2.08%

Duration

1,095 Days (From 1 June 2023 until 30 May 2026)

1 Objectives



1. To replace the existing building which was dilapidated and beyond repair as well as to minimize the risks for both customers and officers of Chaiyaphum Hospital.
2. To support and expand medical treatment services for an increasing number of patients.

2 Detail of the project



To construct an 8-storey reinforced concrete building (95.90 meters) with a total usable area of 13,087 square meters. The building was designed by the Design and Construction Division, Department of Health Services Support, Ministry of Public Health.

3 Procurement



There were 12 interested document buyers via e-bidding procurement. There were 9 bidders attending the bidding and all 9 bidders met the qualifications. The winner was Chaiyaphum Sanitary Ware Limited Partnership, with the bidding price of 319,428,988.00 Baht, approximately 85,542,612.00 Baht lower than the reference price, or equivalent to 21.12 percent.

4 Construction status



Under construction

5 Quality



Chaiyaphum's Department of Public Works and Town & Country Planning was assigned as a supervisor and the civil engineer also supervised the construction. The Acceptance Committee and the Hospital Director possess experience in supervising the construction of many hospital buildings.

6 Recommendations



The agency should prepare a daily report and weekly report as well as hold the meetings more frequently to ensure that the construction was proceeded as planned.

7 Problems and obstacles



1. The construction began during the rainy season; therefore, there might be some construction delays.
2. The excavation and removal of existing construction was difficult since the construction area was limited; therefore, excavated soil must be moved out one section at a time.

8 Public opinions



People and customers were concerned about safety issues regarding construction particles.

9 Procuring entity's response



The contractor installed safety equipment at the construction site to prevent potential accidents.

10 Summary of public opinions



8 individuals

Male 0

Female 8

with an average age of 61

Public outreach prior to the start of the construction

12.50%

Knowledge of complaints procedures

25%

Extent of public participation in the project

90%

Level of transparency

97.50%

Project's value for money

97.50%

Trust and confidence in the quality of construction

95%

Responsiveness of procuring entity to problems

92.50%

11 Photo



12 Remarks of the construction project



- The construction works directly impacted people travelling on this road and accidents might occur as the construction site was located near the streets inside the hospital. The trucks carrying construction materials and large machines entered and exited, coupled with noise and dust problems. Nonetheless, the hospital executives consistently reminded and took strict action about this matter.

- The procurement expenditures of durable articles for this building were very expensive since most of them were medical supplies. At present, the hospital's revenues or people's donations are being used to respond to the requirements. Moreover, medical personnel must be ready and able to perform their duty to cover the entire area of the hospital or the size of the hospital that may be expanded.

Projects

11

Asphaltic concrete pavement repair project, Baan Ta Nao route, Moo 2, Baan Ta Nao, Ta Nao subdistrict, Phuphieng district, Nan

Project owner : Ta Nao Subdistrict Administrative Organization

Budget

9,998,000.00 baht

Focal price

10,246,868.02 baht

Value of contract

9,990,000.00 baht

Plan

85.54%

Completed

48.59%

Duration

120 Days (From 20 May 2023
until 16 September 2023)

1 Objectives



To construct the road for travelling.

2 Detail of the project



Asphaltic concrete pavement repair project, Baan Ta Nao route, Moo 2, Baan Ta Nao subdistrict, 4 meters wide, 3,700 meters long, 0.05 meter thick or with an area no less than 14,800 square meters.

3 Procurement



There were 26 interested document buyers via e-bidding procurement, but only 2 bidders attended the bidding. The winner was Sor Tengtrairut (Nan) Company Limited, with the bidding price of 9,990,000 Baht, approximately 256,868.02 Baht lower than the reference price or equivalent to 2.51 percent.

4 Construction status



Under construction

5 Quality



The Acceptance Committee were personnel of the agency and they should be ready to perform their respective duties. Besides, they are knowledgeable in terms of construction.

6 Recommendations



The project owner divided work installments to ensure an efficient use of budget as well as to allocate the budget to the local area, enabling easier monitoring of the project.

7 Problems and obstacles



The rubber stocks and prime coat during rainy season may result in delayed construction beyond the deadline.

8 Public opinions



The contractor did not spray water during the construction and the workers drove too fast, so lots of dust got into people's houses.

9 Response of the agency



The agency informed that the public can immediately file complaints or report any problems to the Subdistrict Administrative Organization.

10 Summary of public opinions



12 individuals | Male 8 | Female 4 | with an average age of 41-50

Public outreach prior to the start of construction

75%

Knowledge of complaints procedures

25%

Extent of public participation in the project

73.33%

Level of transparency

76.67%

Project's value for money

75%

Trust and confidence in the quality of construction

73.33%

Responsiveness of procuring entity to problems

56.67%

11 Photo



12 Remarks of the construction project



- The route connecting the road from the project to other subdistricts was still non-asphaltic road and was only 4 meters wide, making the two-way traffic somewhat difficult. Thus, the public might not use this road for travelling.
- The project was delayed in operation. There was a possibility that the construction would be rushed to meet the contract deadline. This might affect work durability and quality, particularly most of the remaining construction works were asphaltic-concrete road surface, including thermoplastic paint. In addition, the rainy season might render such work with below-standard construction quality.

Projects **12** Rama 3 – Dao Kanong – Outer Ring Road (west side) Expressway construction project

Project owner : Expressway Authority of Thailand

Budget

23,495,998,156.50 baht

Focal price

29,946,362,568.20 baht

Value of contract

27,809,493,313.70 baht

Plan

Contract 1 42.77% Contract 2 78.74%
Contract 3 42.77% Contract 4 100%
Contract 5.1 100% Contract 5.2 -

Completed

Contract 1 42.77% Contract 2 75.70%
Contract 3 43.45% Contract 4 -
Contract 5.1 100% Contract 5.2 -

Duration

Contract 1 1,020 Days Contract 2 1,170 Days
Contract 3 1,020 Days Contract 4 1,170 Days
Contract 5.1 180 Days (Remove the checkpoint)
Contract 5.2 - Days (Storage system)

1 Objectives



1. To be used as a replacement route in case that the Rama 9 bridge must be closed for maintenance.
2. To expand the expressway network to support the travelling between the outer area and the inner area of Bangkok Metropolitan more efficiently.
3. To relieve traffic jam problem on Rama 2 road, Dao Kanong – Outer Ring road section and Chalem Mahanakorn Expressway, Bang Khlo – Dao Kanong section.
4. To become the travelling and transportation route in case of natural disasters.

2 Detail of the project



The starting point of the project was at KM. 13+000 of Rama 2 road. The road was elevated and has 6 traffic lanes, overlaying along the traffic island of Rama 2 road in the north-east side until Dao Kanong. Then, the route would diverge to the right and overlay Chalem Mahanakorn Expressway, cross the Chao Phraya River at Rama 9 Bridge. Next, the route would merge with Srirat Expressway and Chalem Mahanakorn Expressway at Bang Khlo Interchange, where the project ended. The total distance was 18.7 kilometers.

3 Procurement



Contract 1 The winner was UNCC Joint Venture
Contract 2 The winner was CTB Joint Venture
Contract 3 The winner was ITD-VCB Joint Venture
Contract 4 The winner was CH. Karnchang Public Company Limited
Contract 5.1 Loxley Public Company Limited
Contract 5.2 During the process of TOR

4 Construction status



Under construction

5 Quality



The construction project was supervised by a consulting company, coupled with experienced and skillful directors with the construction know-how. The procurement was separated into different contracts whereby the contracts 1-3 were the expressway construction contract which was in the form of joint venture and operated in parts. The project itself was managed separately among various companies under the contract.

6 Recommendations



Since the civil works contract will complete by October 2024 whereas the fifth contract will complete in May 2025; therefore, the agency should rush the bidding process of the fifth contract without further delay as well as urge the system for expressway fees collection to be completed 17 months earlier than the deadline stipulated in the contract to ensure its operation as earliest as possible.

7 Problems and obstacles



1. Adjustment of the operation plan and removal of the utilities systems.
2. The agency should inform the public of the dust level and the public should be notified with the date and time of the agency's inspection.

8 Public opinions



1. The agency should prepare warning signs to minimize potential accidents.
2. The agency should inform the public of the dust level and the public should be notified with the date and time of the agency's inspection.

9 Response of the agency



The project owner watered the construction area 3-4 times a day, except Sundays, to minimize dust problems as well as constantly monitor the dust level. Nonetheless, the contractor would water the area more frequently. In a case that the public wanted to know the laboratory results, they could check the results via Facebook and leaflet. In terms of warning signs, the agency would consider the locations to install these warning signs.

10 Summary of public opinions



12 individuals

Male 8

Female 4

with an average age of 41-50

Public outreach prior to the start of construction

75%

Knowledge of complaints procedures

25%

Extent of public participation in the project

73.33%

Level of transparency

76.67%

Project's value for money

75%

Trust and confidence in the quality of construction

73.33%

Responsiveness of procuring entity to problems

56.67%

11 Photo



12 Remarks of the construction project



- For the first contract, the agency urged the contractor to provide more workers to ensure the construction's progress to be in line with the established plan. Another problem involved the road's physical condition as there were a lot of communication wires on the road island. However, the agency refused to remove the wires, but would adjust the operation plan so that time would not be wasted for such removal.
- For the third contract, the contractor changed the work control using Smart LG sensor with a constant warning sound and mechanically controlled by smart phone with the aim to prevent potential accidents.
- The civil work contract will be completed by October 2024 while the fifth contract will be completed in May 2025. The expressway cannot be used for 8 months although the construction is completed which is considered business and usage losses.

Projects 13

The improvement project of the isolation room for patients with emerging infectious diseases and patients with severely contagious diseases, Building 7

Project owner : Department of Disease Control

Budget

80,629,400.00 baht

Focal price

79,631,000.00 baht

Value of contract

79,500,000.00 baht

Plan

3.75%

Completed

1.2%

Duration

240 Days (From 4 August 2023 until 30 March 2024)

1 Objectives



1. To increase the ability of medical treatment for severely contagious patients to ensure their utmost safety.
2. To elevate and enhance the quality of patient care to ensure their access to medical treatment while minimizing sickness and death rate.
3. To prevent and control contagious diseases from spreading to the communities or to the larger area.
4. To become the Excellence Center.

2 Detail of the project



Two items of building construction improvement: The first item was to improve the isolation room for patients with emerging infectious diseases and patients with severely contagious diseases, Building 7, third floor. The second item was to improve the isolation room for patients with emerging infectious diseases and patients with severely contagious diseases, Building 7, fifth floor (Cohort Ward).

3 Procurement



Procurement by selection method and 2 bidders attended the bidding.

The winner was Natural Green Innovation Company Limited, with the bidding price of 79,500,000.00 Baht, approximately 131,000.00 Baht lower than the reference price, or equivalent to 0.16 percent.

4 Construction status



Under construction

5 Quality



The project owner selected the contractor from the company with expertise and understanding of the system to be built, including experience in the construction of patients wards and maintenance.

6 Recommendations



This construction project requires high budget and should employ e-bidding procurement instead of the selection process to facilitate the competition and the winner should be selected by price performance criteria.

7 Problems and obstacles



The construction improvement plan for the isolation room was complicated and was prepared by the private sector. Thus, the improvement plan must be submitted to the Design and Construction Division, Department of Health Service Support, for repeated inspection and revision.

8 Public opinions



The public wanted the contractor to cease the operation which caused loud noise during 8-9 a.m.

9 Response of the agency



The contractor agreed to continue constructing other items which did not make any loud noises and interfered with the personnel's operation during 8-9 a.m.

10 Summary of public opinions



12 individuals

Male 1

Female 11

with an average age of 51-60

Public outreach prior to the start of construction

91.67%

Knowledge of complaints procedures

91.67%

Extent of public participation in the project

70%

Level of transparency

91.67%

Project's value for money

91.67%

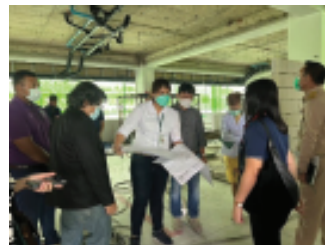
Trust and confidence in the quality of construction

91.67%

Responsiveness of procuring entity to problems

76.67%

11 Photo



12 Remarks of the construction project



The construction improvement plan for the isolation room was complicated and was prepared for the private sector. Therefore, the improvement plan must be submitted to the Design and Construction Division, Department of Health Service Support, for repeated inspection and revision (As Build); for example, the service shaft installed at the same location with the entrance-exit door etc., since the site survey had not been performed during the adjustment of the construction plan and before the bidding procedure.

Summary of public opinions from 13 projects



142 individuals

69 Male

73 Female

Public outreach prior
to the construction

75.82%

Knowledge of
complaints procedures

45.76%

Extent of public
participation in the project

75.94%

Level of
transparency

82.67%

Project's value
for money

81%

Trust and confidence in
the quality of construction

80.66%

Responsiveness of procuring
entity to problems

71.38%

chapter 4

Recommendations

Recommendations for CoST Thailand in the fiscal year of 2023 are as follows:

1 In the fiscal year of 2023, there was a total of 682 CoST projects and these projects had disclosed the information which was accountable to 89.86 percent. Mostly, the information disclosure lacked of information about the construction processes and management plan after project completion. Thus, knowledge must be consistently provided to CoST officers and recommendations should be offered to the agency. The project owner should employ the data disclosure as part of the indicator for the agency's success to ensure its continued development.

2 In terms of price competition, an average price competition was 10.78 percent with approximate 3.87 bidders attended the bidding. When considering based on the budget range according to the criteria of the entrepreneur's registration, it was reported that relatively high competition was at the range prior to the entrepreneur's registration, particularly during the following ranges:

- The contract value less than 3 million Baht had the highest percentage of average price competition at 32.97 percent and there was an average of 5.50 bidders attending the bidding. The construction delay of roads and bridges projects was at an average of 39 days.
- The contract value of 3-5 million Baht, which was the budget range prior to the entrepreneur's ranking reported the average price competition at 25.66 percent and there was an average of 5.76 bidders attending the bidding. The construction delay was at an average of 40 days. When considering in detail, it was reported that the construction delay of roads and bridges projects was 46 days whereas the construction delay of buildings and museums was approximately 34 days owing to the late start of work of the contractor.

3

There were interesting issues in the project management as follows:

- a. Some government agencies set criteria for material properties or buildings that are not clear. Therefore, the Acceptance Committee cannot accept the project. The project owner should specify clear qualifications criteria or acceptance procedures.
- b. In a case where the Acceptance Committee lacked knowledge and experience in construction, the project owner should invite the external expert to join the Committee.
- c. There might be a risk of safety during nighttime since there were no clear safe systems or measures concerning the public's lives and assets. Thus, the project owner should specify the contractor to prepare the safety plan for the construction site which shall be used as technical and as part of the employment contract.



Appendix 1

Proactive Disclosure

CoST lays out guidelines for the disclosure of data (Infrastructure Data Standard : IDS) by Procuring entity. These are required to be updated across the whole project lifecycle, from project identification and project preparation and procurement through to implementation and completion. Details of these 40 datapoints are given below

Project phase	Disclosed data
1. Project Identification (6 Datapoints)	1) Project owner 2) Budget 3) Projects name 4) Project Location 5) Purpose 6) Project description
2. Project Preparation (7 Datapoints)	7) Project Scope (main output) 8) Environment impact 9) Land and settlement impact 10) Contact details 11) Funding sources 12) Project Budget 13) Project budget approval date
3. Procurement (14 Datapoints)	14) Procuring entity 15) Procuring entity contact details 16) (TOR) 17) Procurement process 18) Contract type 19) Contract status 20) Numbers of firms tendering 21) CoST estimate 22) Contract administrative entity 23) Contract title 24) Contract firm(s) 25) Contract price 26) Contract scope of work 27) Contract start date Contract duration
4. Implementation (6 Datapoints)	28) Escalation of contract price 29) Variation to contract price 30) Variation to contract duration 31) Variation to contract scope 32) Reasons for price changes 33) Reasons for duration changes reasons for scope changes
5. Project Completion (7 Datapoints)	34) Project status (current) 35) Completion cost (project) 36) Completion Date (projected) 37) Scope at completion (projected) 38) Reasons for project changes 39) Reference to audit and Evaluation reports 40) Complaint management

Appendix 2

Service area of the CGD Regional Office

Regional Office zone 1

- Chainat
- Pathum Thani
- Phra Nakhon Si Ayutthaya
- Lopburi
- Singburi
- Nonthaburi
- Saraburi
- Ang Thong

Regional Office zone 2

- Chanthaburi
- Chachoengsao
- Chonburi
- Trat
- Nakhon Nayok
- Prachinburi
- Rayong
- Samut Prakan
- Sa Kaeo

Regional Office zone 3

- Chaiyaphum
- Buriram
- Sisaket
- Amnat Charoen
- Ubon Ratchathani
- Nakhon Ratchasima
- Yasothon
- Surin

Regional Office zone 4

- Kalasin
- Nakhon Phanom
- Maha Sarakham
- Mukdahan
- Roi Et
- Sakon Nakhon
- Nong Bua Lamphu
- Udon Thani
- Khon Kaen
- Bueng Kan
- Loei
- Nong Khai

Regional Office zone 5

- Chiang Rai
- Nan
- Phrae
- Lampang
- Chiang Mai
- Phayao
- Mae Hong Son
- Lamphun

Regional Office zone 6

- Kamphaeng Phet
- Nakhon Sawan
- Phitsanulok
- Sukhothai
- Uthai Thani
- Tak
- Phichit
- Phetchabun
- Uttaradit

Regional Office zone 7

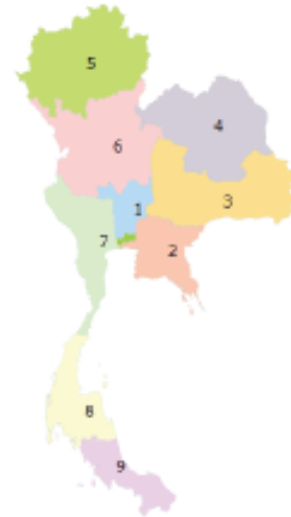
- Kanchanaburi
- Prachuap Khiri Khan
- Phetchaburi
- Samut Songkhram
- Samut Sakhon
- Nakhon Pathom
- Ratchaburi
- Suphanburi

Regional Office zone 8

- Krabi
- Nakhon Si Thammarat
- Phang Nga
- Ranong
- Chumphon
- Phuket
- Surat Thani

Regional Office zone 9

- Trang
- Pattani
- Yala
- Satun
- Narathiwat
- Phatthalung
- Songkhla





Contact details



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<https://costthailand.gprocurement.go.th>



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