

## Invitation for Bids

<b>Date:</b>	12 February 2018
<b>Loan No. and Title:</b>	3353-VIE: Second Greater Mekong Subregion (GMS) Corridor Towns Development Project
<b>Contract No. and Title:</b>	Package BG4: Stormwater Improvements
<b>Deadline for Submission of Bids:</b>	21 March 2018, at 08:30 am (local time)

1. The **Government of the Socialist Republic of Vietnam** has received financing from the Asian Development Bank (hereinafter called "ADB") toward the cost of the **Second Greater Mekong Subregion (GMS) Corridor Towns Development Project**. Part of this financing will be used for payments under the contract package named above. Bidding is open to Bidders from eligible source countries of ADB.
2. The **Bac Giang City's People's Committee represented by Bac Giang City's Construction Project Management Unit No.2** ("the Employer") invites sealed bids from eligible Bidders for the **Package BG4: Bac Giang - Stormwater Improvements**.

The scope of works includes dredging and clearance of Van Son canal and the construction of Van Son pumping station and Chau Xuyen 2 pumping station in order to improve the drainage capacity of the city and prevent flooding.

The design scale is as follows:

### 2.1. Construction of focal area:

No.	Specifications	Unit	Chau Xuyen 2 pumping station	Van Son pumping station
<b>I</b>	<b>Pumping station (Dyke sections)</b>		K <sub>12+00</sub> on the left dyke bank of Thuong river	K <sub>16+00</sub> on the left dyke bank of Thuong river
-	Design discharge	m <sup>3</sup> /s	8,89	24,5
-	Numbers of pump assembly	TM	04	09
-	Water level of Suction tank (Water level <sub>max</sub> ; Design water level; Water level <sub>min</sub> )	m	+3,6; +1,1; +0,7	+3,6; +1,1; +0,85
-	Bottom Level of suction tank, aspirating chamber	m	-1,2; -2,55	-1,3; -2,65
-	Water level of discharge tank (Water level <sub>max</sub> ; Design water level).	m	+8,04; +7,24	+7,97; 7,18
-	Bottom Level of discharge tank; Top level of discharge tank wall.	m	+2,80; +8,5	+2,40; +8,50
-	Level of engine base; pumping base	m	+4,80; +1,40	+4,80; +1,55
-	Station size (axb)	m	20,5x8,0	47,4x8,0
-	Top Level of roof	m	+16,32	+16,8
-	Design pump head (including losses)	m	7,3	7,2

No.	Specifications	Unit	Chau Xuyen 2 pumping station	Van Son pumping station
<b>II</b>	<b>Outlet over the dyke</b>			
-	Outlet form		Box outlet ( 02 doors)	Box outlet ( 04 doors)
-	Design discharge	m <sup>3</sup> /s	8,89	24,5
-	Water level in front of outlet Design Water level of discharge tank	m	7,24	7,18
-	Water level outside of river (p=10%)	M	7,14	7,08
-	Aperture outlet B x H	M	2 (2,50 x 3,0)	4(2,50 x3,0)
-	Bottom Level of outlet	M	+ 4,0	+ 4,0
-	Energy dissipation form; Bottom Level (m)		Energy dissipators tank; -0,5	Energy dissipators tank; -0,7
-	Control gate form		Actuator Machine for Penstock	Actuator Machine for Penstock
<b>III</b>	<b>Grating in front of the suction tank</b>			
1	Sewer No.1		02 doors	03 doors
-	Bottom Level of Sewer	m	-0,80	-0,70
-	Aperture of Sewer (BxH)	m	2(3,0x4,8)	3(4,9x4,7)
2	Sewer No.2		01 door	
-	Bottom Level of Sewer	m	-0,50	
-	Aperture of Sewer (BxH)	m	2,0x4,5	
<b>IV</b>	<b>Administrative area</b>			
-	Administrative house (construction area)	m <sup>2</sup>	Level 4 house (01 level), 80m <sup>2</sup>	Level 4 house (01 level), 120m <sup>2</sup>
-	Ancillary works		Kitchen, toilet, gate, fence, courtyard, internal road, drainage ditch	
<b>V</b>	<b>Construction of power</b>			
-	High voltage line		22KV old line	35KV; length 135m
-	Substation			
+	Substation form		Ground substation	Ground substation
+	Number of Transformer (capacity) - voltage level		03 transformer (2x750+1x50) KVA-22/0,4KV	03 transformer (2000+1600+100) KVA-35(22)/0,4KV
<b>VI</b>	<b>Serving construction</b>		River cofferdam along with access road	
-	Top level of dyke	m	+3,0	+4,0
-	Width of top of dyke	m	2,0	4,0

## 2.2. Cannel of Van Son pumping station:

Land cannel (sections of trapezium) 3.892m long

Sections	Length (m)	Flow capacity (m <sup>3</sup> /s)	Coefficients roof	Bottom slope	Bottom width (m)	Water depth (m)	Water Level	
							In the beginning	In the end
K <sub>0+00</sub> ÷K <sub>1+661</sub>	1.661	12,5	1,5	0,0002	8,5	1,88	2,68	2,23
K <sub>1+661</sub> ÷K <sub>C</sub>	2.231	24,5	1,5	0,0002	18,0	1,86	2,21	1,50

3. **National competitive bidding (NCB)** will be conducted in accordance with the ADB's [Single Stage – One Envelope](#) bidding procedure and is open to all eligible Bidders as described in the Bidding Document.
4. Only eligible Bidders with the following key qualifications should participate in this bidding:
  - Participation in at least **one (1) contract** that has been successfully or substantially completed within the last five **(5) years** and that is similar to the proposed works, where the value of the Bidder's participation in each contract exceeds **VND 146,000,000,000 (One hundred and Forty-six billion Vietnam dong)**.
  - Minimum average annual construction turnover of **VND 180,000,000,000 (one hundred and eighty billion Vietnam dong)** calculated as total certified payments received for contracts in progress or completed, within the last **three (3) years**.
  - Financial Resources Requirement for Subject Contract: **VND 22,000,000,000 (Twenty-two billions Vietnam dong)**.

The qualification criteria are more completely described in the Bidding Document.

5. Interested eligible Bidders may obtain further information from the Employer and inspect the Bidding Document starting on 12 February 2018 from 8:30 to 17:00 hours during Mondays to Fridays (except during weekends and holidays) until before 8:30 hours on 21 March 2018 at the address given below:

**Bac Giang City's Construction Project Management Unit No.2**  
No.8, Nghia Long Street, Tran Phu Ward, Bac Giang city, Bac Giang Province  
Tel: +84 240.3824.726  
Email: [pmubq2@gmail.com](mailto:pmubq2@gmail.com)

6. To purchase the Bidding Documents in Vietnamese, eligible Bidders should:
  - Submit an official letter (Direct Submission) to the above-mentioned address (Para 5) requesting the Invitation for Bid documents for **Package BG4: Stormwater Improvements**.
  - Pay a non-refundable fee of VND 2,000,000 by cash.
7. Deliver bids:
  - To the address above (Para 5)
  - **At or before 8:30 am on 21 March 2018.**

All Bids must be accompanied with a Bid Security as specified in the Bidding Documents.

Late bid shall be rejected. Bids will be opened immediately after the bid submission deadline at the above-mentioned address (Para 5) in the presence of Bidders' representatives who wish to attend.

8. The Employer will not be responsible for any cost or expense incurred in the preparation and delivery of bids.