

PHNOM PENH WATER SUPPLY AUTHORITY

Framework Agreement No. CKH1273 01P

The Bakheng Water Supply Project – Phase 3

INVITATION FOR BIDS

**The Supply and Delivery of Ductile Iron Pipes and Fittings for
Primary Transmission Mains**

IPC No.: BKG3-02-PTM-A-PPWSA/AFD

Date of Issue: **August 22, 2025**
Name of Country: **Kingdom of Cambodia**
Contract N° and Title: **BKG3-02-PTM-A-PPWSA/AFD, The Supply and Delivery of Ductile Iron Pipes and Fittings for Primary Transmission Mains**
Deadline for Submission of Bids: **October 20, 2025, at 14:30 (Cambodia Standard Time)**

1. The Kingdom of Cambodia has secured financing from the Agence Française de Développement (AFD) towards the cost of the Bakheng Water Supply Project – Phase 3. A portion of this financing will be allocated to eligible payments under Contract No.: BKG3-02-PTM-A-PPWSA/AFD, which covers the supply and delivery of Ductile Iron Pipes and Fittings for Primary Transmission Mains.
2. The Phnom Penh Water Supply Authority (PPWSA) (“the Purchaser”) hereby invites sealed bids from eligible bidders for the supply and delivery of Ductile Iron Pipes and Fittings for Primary Transmission Mains, with the following detailed requirements:

ItemNo.	Description	Unit	Quantity
1	Ductile Iron Pipe - Spigot Socket with Push-on Joint (Standard Joint) including EPDM elastomer gasket.		
1.1	DN 1400 (Pipe length 8.17 m) Class C25, Standard	m	7,083.39
1.2	DN 1400 (Pipe length 8.17 m) Class C25, Standard <u>for raw water use</u>	m	155.23
1.3	DN 1000 (Pipe length 6.96 m) Class C25, Standard	m	2,547.36
1.4	DN 800 (Pipe length 6.95 m) Class C25, Standard	m	583.8
1.5	DN 800 (Pipe length 6.95 m) Class C25, Standard <u>for raw water use</u>	m	1,105.05
1.6	ODN 600 (Pipe length 6 m) Class C30, Standard	m	4,950
2	Ductile Iron Pipe - Spigot Socket with Self Anchored Joint (type indicated below or equivalent) including EPDM elastomer gasket and complete accessories for self anchored joint.		
2.1	DN 1400 (Pipe length 8.09m) Class C25 , Standard UNI Ve + WB	m	809.00
2.2	DN 1400 (Pipe length 8.09m) Class C25 , Standard UNI Ve + WB <u>for raw water use</u>	m	16.18
2.3	DN 1000 (Pipe length 6.88m) Class C30 Standard UNI Ve + WB	m	254.56
2.4	DN 800 (Pipe length 6.89 m) Class C30 Standard UNI Ve + WB	m	392.73
2.5	DN 800 (Pipe length 6.89 m) Class C30 Standard UNI Ve + WB <u>for raw water use</u>	m	378.95
2.6	DN 600 (Pipe length 6 m) Class C30 Standard Vi	m	552.00
2.7	DN 400 (Pipe length 6 m) Class C40 Standard Vi	m	102.00
2.8	DN 300 (Pipe length 6m) Class C40 Standard Vi	m	294.00
2.9	DN 250 (Pipe length 6m) Class C40 Standard Vi	m	102.00
2.10	DN 200 (Pipe length 6m) Class C40 Standard Vi	m	114.00
2.11	DN 150 (Pipe length 6m) Class C40 Standard Vi	m	102.00
2.12	DN 100 (Pipe length 6m) Class C40 Standard Vi	m	102.00
3	Ductile Iron - Double flanged pipe (welded with length ... mm) complete and including gaskets, bolts, nuts and washers for both sides.		

ItemNo.	Description	Unit	Quantity
3.1	DN 600, L=1000 mm	U	3
3.2	DN 300, L=600 mm	U	6
3.3	DN 200, L=250 mm	U	8
3.4	DN 150, L=500 mm	U	1
3.5	DN 100, L=500 mm	U	2
4	Double flange anchoring pipe with puddle flange complete and including gaskets, bolts, nuts and washers (Integral with lengthmm)		
4.1	DN 1400, L=2 m Flange: Integral	U	12
4.2	DN 1000, L=1 m Flange: Integral	U	4
4.3	DN 800, L=1 m Flange: Integral	U	6
4.4	DN 600, L=1 m Flange: Integral	U	12
4.5	DN 400, L=1 m Flange: Integral	U	6
4.6	DN 300, L=600 mm Flange: Integral	U	17
4.7	DN 200, L=500 mm Flange: Integral	U	6
4.8	DN 150, L=600 mm Flange: Integral	U	10
4.9	DN 100, L=600 mm Flange: Integral	U	10
4a	Flanged spigot pipe complete and including gaskets, bolts and nuts (welded with lengthmm)		
4a.1	DN 600, L=600mm, flange: fixed	U	1
4a.2	DN 300, L=600mm, flange: fixed	U	3
4a.3	DN 250, L=600mm, flange: fixed	U	1
4a.4	DN 200, L=500mm, flange: fixed	U	1
4a.5	DN 150, L=500 mm flange: fixed	U	1
5	Flange socket with Self Anchored Joint (indicated type or equivalent) complete and including EPDM elastomer gasket, accessories for self anchored joint and accessories (gasket, bolts, nuts and washers) for flange.		
5.1	DN 1400 Standard UNI Ve; Flange: fixed	U	17
5.2	DN 1000 Standard Ve; Flange: fixed	U	4
5.3	DN 800 Standard Ve; Flange: fixed	U	7
5.4	DN 600 Standard Vi; Flange: fixed	U	14
5.5	DN 400 Standard Vi; Flange: fixed	U	6
5.6	DN 300 Standard Vi; Flange: rotatable	U	38
5.7	DN 250 Standard Vi; Flange: rotatable	U	1
5.8	DN 200 Standard Vi; Flange: rotatable	U	9
5.9	DN 150 Standard Vi; Flange: rotatable	U	10
5.10	DN 100 Standard Vi; Flange: rotatable	U	2
6	Double socket bend with Self Anchored Joint (indicated type or equivalent) complete and including EPDM elastomer gaskets and accessories for self anchored joint		
6.1	DN 1400, 45° Standard UNI Ve	U	16
6.2	DN 1400, 22.5° Standard UNI Ve	U	0
6.3	DN 1000, 45° Standard Ve	U	0
6.4	DN 800, 45° Standard Ve	U	33
6.5	DN 600, 45° Standard Vi	U	6
6.6	DN 600, 22.5° Standard Vi	U	1
6.7	DN 600, 11.5° Standard Vi	U	1
6.8	DN 400, 90° Standard Vi	U	1
6.9	DN 400, 45° Standard Vi	U	4
6.10	DN 300, 90° Standard Vi	U	11
6.11	DN 300, 45° Standard Vi	U	8
6.12	DN 200, 90° Standard Vi	U	4

ItemNo.	Description	Unit	Quantity
6.13	DN 150, 90° Standard Vi	U	10
6.14	DN 100, 90° Standard Vi	U	6
7	All flanged bend complete and including gaskets, bolts, nuts and washers for both sides.		
7.1	DN 300, 90° rotatable flange	U	6
7.2	DN 300, 45° rotatable flange	U	2
7.3	DN 200, 90° rotatable flange	U	6
8	Double socket tee DN 1 with Flanged Branch DN 2, Push-on Joint joint, complete and including EPDM elastomer gaskets for sockets and accessories (gasket, bolts, nuts and washers) for flange.		
8.1	DN 1400/1000; Standard; fixed flange	U	0
8.2	DN 1400/300; Standard; rotatable flange	U	0
8.3	DN 1000/600; Standard; rotatable flange	U	2
8.4	DN 1000/400; Standard; rotatable flange	U	0
8.5	DN 1000/300; Standard; rotatable flange	U	0
8.6	DN 1000/200; Standard; rotatable flange	U	0
8.7	DN 800/150; Standard; rotatable flange	U	2
8.8	DN 600/400; Standard; rotatable flange	U	3
8.9	DN 600/300; Standard; rotatable flange	U	5
8.10	DN 600/250; Standard; rotatable flange	U	2
8.11	DN 600/100; Standard; rotatable flange	U	4
9	Double socket tee DN 1 with Flanged Branch DN 2, Self Anchored Joint (indicated type or equivalent), complete and including EPDM elastomer gaskets for sockets, accessories for self anchored joint and accessories (gasket, bolts, nuts and washers) for flange ISO PN10.		
9.1	DN 1400/1000; Standard UNI Ve; Flange: Fixed	U	4
9.2	DN 1400/600; Standard UNI Ve; Flange: Rotatable	U	0
9.3	DN 1000/1000; Standard Ve; Flange: Fixed	U	0
9.4	DN 1000/600; Standard Ve; Flange: Rotatable	U	0
9.5	DN 1000/200; Standard Ve; Flange: Rotatable	U	0
9.6	DN 800/150; Standard Ve; Flange: Rotatable	U	1
9.7	DN 600/500; Standard Vi; Flange: Rotatable	U	1
9.8	DN 600/400; Standard Vi; Flange: Rotatable	U	3
9.9	DN 600/300; Standard Vi; Flange: Rotatable	U	3
9.10	DN 600/250; Standard Vi; Flange: Rotatable	U	2
9.11	DN 600/100; Standard Vi; Flange: Rotatable	U	3
10	Double socket invert level tee DN 1 Push-on Joint with flanged branch DN 2, complete and including EPDM elastomer gaskets for sockets and accessories (gasket, bolts, nuts and washers) for flange		
10.1	ILT 1400/300; Standard; Flange: Rotatable	U	11
10.2	ILT 1000/200; Standard; Flange: Rotatable	U	2
10.3	ILT 800/200; Standard; Flange: Rotatable	U	1
10.4	ILT 600/150; Standard; Flange: Rotatable	U	4
11	Double socket invert level tee DN 1 with Self Anchored joint (indicated type or equivalent) with flanged branch DN 2, complete and including EPDM elastomer gaskets for sockets, accessories for self anchored joint and accessories (gasket, bolts, nuts and washers) for flange		
11.1	ILT 1400/400; Standard UNI Ve; Flange: Rotatable	U	0
11.2	ILT 1400/300; Standard UNI Ve; Flange: Rotatable	U	5
11.3	ILT 1000/200; Standard Ve; Flange: Rotatable	U	0
11.4	ILT 800/200; Standard Ve; Flange: Rotatable	U	1

ItemNo.	Description	Unit	Quantity
11.5	ILT 600/150; Standard Vi; Flange: Rotatable	U	3
11.6	ILT 600/100; Standard Vi; Flange: Rotatable	U	1
12	All Flange Tee complete and including EPDM elastomer gaskets and accessories (gasket, bolts, nuts and washers) for flange		
12.1	DN 1400/1400; Fixed Flange: branch	U	2
12.2	DN 300/200; Flange: All rotatable	U	6
13	Double flanged tapper (flat type) complete and including gaskets, bolts, nuts for all sides.		
13.1	DN 300/200 Flange: Fixed (excentric)	U	6
13a	Double Socket Concentric Taper DN 1/DN 2 with Self Anchored Joint (indicated type or equivalent), complete and including EPDM elastomer gaskets and accessories for self anchored joint		
13a.1	DN 600/500; Standard Vi	U	1
13a.2	DN 500/400; Standard Vi	U	1
13a.3	DN 400/300; Standard Vi	U	1
13a.4	DN 300/250; Standard Vi	U	1
14	Flange reducer (DN1/DN2) complete, including gasket, bolts, washers and nuts (ISO PN 10)		
14.1	Reducing flange DN1000 and 2 DN 200	U	4
15	Blank flange complete, including gasket, bolts, washers and nuts (ISO PN 10)		
15.1	DN 1400	U	0
15.2	DN 1000	U	2
15.3	DN 800	U	2
15.4	DN 600	U	1
15.5	DN 400	U	2
15.6	DN 300	U	3
15.7	DN 250	U	1
15.8	DN 200	U	2
16	Collar (Express Joint) complete, including EPDM elastomer gaskets, glands, nuts and bolts		
16.1	DN 1400	U	0
16.2	DN 1000	U	0
16.3	DN 800	U	0
16.4	DN 600	U	0
16.5	DN 400	U	0
17	Self-Retained Dismantling Joint complete, including EPDM elastomer and accessories (gaskets, nuts, washers and bolts) for flanges		
17.1	DN 1400 (large stroke type JP or equivalent)	U	7
17.2	DN 1000	U	2
17.3	DN 800	U	3
17.4	DN 600	U	6
17.5	DN 400	U	3
17.6	DN 300	U	2
18	Manhole Frame and Cover, heavy duty according to use and including "PPWSA" marking.		
18.1	Manhole cover (ventilated)	U	25
18.2	Manhole cover (non-ventilated)	U	31

ItemNo.	Description	Unit	Quantity
19	Pack of accessories for Self-Anchored Joint (Std UNI VE, Std VE / Std VI), similar to the self-anchored joint proposed for pipes and fittings.		
19.1	DN 1000 Standard Ve	U	0
19.2	DN 800 Standard Ve	U	0
19.3	DN 600 Standard Vi	U	6
19.4	Gasket Standard DN 1400	U	10
19.5	Gasket Standard DN 1000	U	0
19.6	Gasket Standard DN 800	U	0
19.7	Gasket Standard DN 600	U	0
20	Universal Ve accessories		
20.1	Set 10 of locating clips for installation of the locking ring for universal D.I. pipe DN 1400	U	2
21	Valve box		
21.1	Valve Box (brand PPWSA)-PAVA 19	U	5,000

3. Interested Eligible bidders may obtain further information and inspect the Bidding Documents at the Planning and Foreign Project Management Office within the Planning and Project Department of PPWSA. The office hours are from 8:00 AM to 4:30 PM (Cambodia Standard Time), Monday to Friday. The PPWSA is located at #45, Street 106, Sangkat Srah Chork, Khan Daun Penh, Phnom Penh, Kingdom of Cambodia. For additional inquiries: +855 96 751 1116 or +855 17 543 237.
4. To purchase the bidding documents, in English, bidders shall:
 - (i) A complete set of bidding documents may be purchased by interested bidders upon submitting a written application to the address indicated above. The hard copy of bidding document is available for a non-refundable fee of Two Hundred US Dollars (US\$ 200), payable in cash. If a soft copy is requested in addition to the hard copy, an additional fee of One Hundred US Dollars (US\$ 100) in cash will be charged. If a bidder requests the overseas delivery of the bidding document through a logistics provider, additional costs will be applied before sending it out in this regard.
 - (ii) Phnom Penh Water Supply Authority (PPWSA) will not be liable for any delays in delivery or loss of documents that are sent via mail or courier.
5. Bidders must submit their bid:
 - (iii) To the Phnom Penh Water Supply Authority (PPWSA) **on or before 14:30 (local time) on October 20, 2025.** The submission is made at the Hall Room, located on the 3rd floor of the New Administration Building, PPWSA, #45, Street 106, Sangkat Srah Chork, Khan Daun Penh, Phnom Penh, Kingdom of Cambodia.
 - (iv) Together with a Bid Security in the specified amount of Eight Hundred Forty Thousand US Dollars (US\$ 840,000.00) and a Power of Attorney.
 - (v) Bidders shall not have the option of submitting their Bids electronically.
6. The bids will be opened promptly on the submission date at the address and time indicated in item (iii) of point 5 above, in the presence of bidders' representatives who choose to attend. Late bids will be rejected.
7. Qualification criteria and additional details are outlined in the Bidding Documents.