## Date: 30-November-2022

Name of Country: Kingdom of Cambodia Name of Project: The Bakheng Water Supply Project – Stage 2 IPC N°: BKG2-02-STM-A-PPWSA/AFD

1. The Phnom Penh Water Supply Authority (PPWSA) has received funds

Item	Description	Unit	Quantity
А	DUCTILE IRON PIPES		
A1	Ductile Iron Pipe - Spigot Socket with Push-		standard joint or
A1-1	equivalent) including EPDM elastomer gasket		204.00
A1-1 A1-2	DN 100mm class C40, L=6m DN 150mm class C40, L=6m	m	300.00
A1-3	DN 200mm class C40, L=6m	m	204.00
A1-4	DN 250mm class C40, L=6m	m	624.00
A1-5	DN 300mm class C40, L=6m	m	18,906.00
A1-6	DN 400mm class C30, L=6m	m	9,048.00
A1-7 A1-8	DN 500mm class C30, L=6m DN 600mm class C30, L=6m	m	7,236.00
A1-9	DN 800mm class C30, L=6.95m	m	1,251.00
A2	Ductile Iron Pipe - Spigot Socket with Self-And below or equivalent) including EPDM elaste accessories for self-anchored joint.	chored Join omer gask	nt (type indicated et and complete
A2-1	DN 100mm class C40, L=6m, Std VI	m	204.00
A2-2	DN 150mm class C40, L=6m, Std VI	m	300.00
A2-3	DN 200mm class C40, L=6m, Std VI	m	204.00
A2-4 A2-5	DN 250mm class C40, L=6m, Std VI DN 300mm class C40, L=6m, Std VI	m	234.00 4,728.00
A2-5	DN 400mm class C40, L=6m, Std VI	m	2,262.00
A2-7	DN 500mm class C30, L=6m, Std VE+WB	m	1,812.00
A2-8	DN 600mm class C30, L=6m, Std VE+WB	m	3,330.00
A2-9	DN 800mm class C30, L=6.89m, Std VE+WB	m	316.94
В	DUCTILE IRON FITTINGS		
B1	Ductile Iron - Double flanged pipe (welded wi and including gaskets, bolts, nuts and washers		
B1-1	DN 80mm, L = 500mm	Pcs	100
B1-2	DN 80mm, L = 600mm	Pcs	100
B1-3	DN 80mm, L = 1000mm	Pcs	100
B1-4	DN 100mm, L = 500mm	Pcs	80
B1-5	DN 150mm, L = 500mm	Pcs	85
B1-6	DN 200mm, L = 500mm	Pcs	55
B1-7 B1-8	DN 250mm, L = 500mm DN 300mm, L = 1000mm	Pcs Pcs	<u> </u>
B1-8 B1-9	DN 400mm, $L = 1000mm$	Pcs	30
B1-10	DN 500mm, $L = 1000mm$	Pcs	20
B1-11	DN 600mm, L = 1000mm	Pcs	12
B1-12	DN 800mm, L = 1000mm	Pcs	2
B2	Double flange anchoring pipe with puddle flan gaskets, bolts, nuts and washers (welded with	nge comple length	ete and including nm)
B2-1	DN 80mm, L=600 mm Flange: Integral	Pcs	90
B2-2 B2-3	DN 150mm, L=500 mm Flange: Integral DN 150mm, L=600 mm Flange: Integral	Pcs Pcs	90
B2-3 B2-4	DN 250mm, L=600 mm Flange: Integral	Pcs	30
B2-5	DN 250mm, L=1000 mm Flange: Integral	Pcs	45
B2-6	DN 300mm, L=1000 mm Flange: Integral	Pcs	126
B2-7	DN 400mm, L=1000 mm Flange: Integral	Pcs	60
B2-8	DN 500mm, L=1000 mm Flange: Integral	Pcs	56
B2-9 B2-10	DN 600mm, L=1000 mm Flange: Integral DN 800mm, L=1000 mm Flange: Integral	Pcs	61
		Pcs g gaskets.	10 bolts and nuts
B3	Flanged spigot pipe complete and includin (welded with lengthmm).	g gustets,	bolts and huts
B3-1	DN 100mm, L = 600mm, flange: fixed	Pcs	15
B3-2	DN 150mm, $L = 600$ mm, flange: fixed	Pcs	25
B3-3 B3-4	DN 200mm, L = 500mm, flange: fixed DN 300mm, L = 500mm, flange: fixed	Pcs Pcs	<u> </u>
B3-5	DN 300mm, $L = 1000mm$ , flange: fixed	Pcs	30
B3-6	DN 400mm, $L = 1000mm$ , flange: fixed	Pcs	81
B3-7	DN 500mm, L = 1000mm, flange: fixed	Pcs	20
B3-8	DN 600mm, L = 1000mm, flange: fixed	Pcs	12
В3-9 В4	DN 800mm, L = 1000mm, flange: fixed Flange socket with Self-Anchored Joint equivalent) complete and including EPDM el for self anchored-joint and accessories (gaske	Pcs (type indi astomer ga	l cated below or isket, accessories
	for flange.	,	
			200
B4-1	DN 100mm, Standard Vi; Flange: rotatable	Pcs	200
B4-2	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable	Pcs	214
B4-2 B4-3	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable	Pcs Pcs	214 65
B4-2	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable	Pcs	214
B4-2 B4-3 B4-4	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable	Pcs Pcs Pcs	214 65 146
B4-2 B4-3 B4-4 B4-5	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable	Pcs Pcs Pcs Pcs	214 65 146 198
B4-2 B4-3 B4-4 B4-5 B4-6	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable	Pcs Pcs Pcs Pcs Pcs	214 65 146 198 57
B4-2 B4-3 B4-4 B4-5 B4-6 B4-7	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: fixed DN 800mm, Standard Ve; Flange: fixed DN 800mm, Standard Ve; Flange: fixed Do able Socket Bend with Self Anchored J or equivalent) complete and including EPI	Pcs	214 65 146 198 57 51 34 10 indicated below
B4-2         B4-3         B4-4         B4-5         B4-6         B4-7         B4-8         B4-9	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: fixed Double Socket Bend with Self Anchored Je or equivalent) complete and including EPE accessories for self anchored joint	Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and
B4-2 B4-3 B4-4 B4-5 B4-6 B4-7 B4-8 B4-9 B4-9 B5-1	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: fixed Double Socket Bend with Self Anchored Je or equivalent) complete and including EPL accessories for self anchored joint DN 150mm, 90°, Standard Vi	Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74
B4-2 B4-3 B4-4 B4-5 B4-6 B4-7 B4-8 B4-9 B4-9 B5 B5-1 B5-2	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: fixed Double Socket Bend with Self Anchored Jo or equivalent) complete and including EPL accessories for self anchored joint DN 150mm, 90°, Standard Vi DN 200mm, 90°, Standard Vi	Pcs     Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74 50
B4-2 B4-3 B4-4 B4-5 B4-6 B4-7 B4-8 B4-9 B4-9 B5-1	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 100mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 900mm, Standard Ve; Flange: rotatable DN 900mm, 90°, Standard Vi DN 200mm, 90°, Standard Vi DN 250mm, 90°, Standard Vi	Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74
B4-2 B4-3 B4-4 B4-5 B4-6 B4-7 B4-8 B4-7 B4-8 B4-9 B5-1 B5-1 B5-2 B5-3	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 100mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 900mm, Standard Ve; Flange: rotatable DN 900mm, 90°, Standard Vi DN 200mm, 90°, Standard Vi DN 250mm, 90°, Standard Vi	Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74 50 60
B4-2 B4-3 B4-4 B4-5 B4-6 B4-7 B4-8 B4-9 B5-9 B5-1 B5-2 B5-3 B5-4	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 150mm, 90°, Standard Vi DN 200mm, 90°, Standard Vi DN 250mm, 90°, Standard Vi DN 300mm, 90°, Standard Vi	Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74 50 60 16
B4-2 B4-3 B4-4 B4-5 B4-6 B4-7 B4-8 B4-9 B5-9 B5-1 B5-2 B5-3 B5-4 B5-5	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: fixed Double Socket Bend with Self Anchored J or equivalent) complete and including EPI accessories for self anchored Join DN 150mm, 90°, Standard Vi DN 250mm, 90°, Standard Vi DN 300mm, 90°, Standard Vi DN 300mm, 90°, Standard Vi	Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74 50 60 16 15
B4-2           B4-3           B4-4           B4-5           B4-6           B4-7           B4-8           B4-9           B5           B5-1           B5-2           B5-3           B5-4           B5-5           B5-6	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 900mm, Standard Vi DN 150mm, 90°, Standard Vi DN 200mm, 90°, Standard Vi DN 250mm, 90°, Standard Vi DN 400mm, 90°, Standard Vi DN 400mm, 90°, Standard Vi DN 500mm, 90°, Standard Vi	Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74 50 60 16 15 10
B4-2           B4-3           B4-4           B4-5           B4-6           B4-7           B4-8           B4-9           B5           B5-1           B5-2           B5-3           B5-4           B5-5           B5-6           B5-7           B5-8           B5-9	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: fixed Double Socket Bend with Self Anchored Je or equivalent) complete and including EPL accessories for self anchored joint DN 150mm, 90°, Standard Vi DN 200mm, 90°, Standard Vi DN 300mm, 90°, Standard Vi DN 300mm, 90°, Standard Vi DN 400mm, 90°, Standard Vi DN 500mm, 45°, Standard Vi DN 500mm, 45°, Standard Vi	Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74 50 60 16 15 10 408 10 30
B4-2           B4-3           B4-4           B4-5           B4-6           B4-7           B4-8           B4-9           B5-1           B5-2           B5-3           B5-6           B5-7           B5-8           B5-9           B5-10	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: fixed Double Socket Bend with Self Anchored Jo or equivalent) complete and including EPL accessories for self anchored joint DN 150mm, 90°, Standard Vi DN 200mm, 90°, Standard Vi DN 200mm, 90°, Standard Vi DN 300mm, 90°, Standard Vi DN 500mm, 90°, Standard Vi DN 500mm, 90°, Standard Vi DN 500mm, 90°, Standard Vi DN 500mm, 45°, Standard Vi DN 500mm, 45°, Standard Vi DN 500mm, 45°, Standard Vi DN 500mm, 45°, Standard Ve DN 600mm, 45°, Standard Ve	Pcs       Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74 50 60 16 15 10 408 10 30 56
B4-2           B4-3           B4-4           B4-5           B4-6           B4-7           B4-8           B4-9           B5           B5-1           B5-2           B5-3           B5-4           B5-5           B5-6           B5-7           B5-8           B5-9	DN 100mm, Standard Vi; Flange: rotatable DN 150mm, Standard Vi; Flange: rotatable DN 200mm, Standard Vi; Flange: rotatable DN 250mm, Standard Vi; Flange: rotatable DN 300mm, Standard Vi; Flange: rotatable DN 400mm, Standard Vi; Flange: rotatable DN 500mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 600mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: rotatable DN 800mm, Standard Ve; Flange: fixed Double Socket Bend with Self Anchored Je or equivalent) complete and including EPL accessories for self anchored joint DN 150mm, 90°, Standard Vi DN 200mm, 90°, Standard Vi DN 300mm, 90°, Standard Vi DN 300mm, 90°, Standard Vi DN 500mm, 45°, Standard Vi DN 500mm, 45°, Standard Vi	Pcs	214 65 146 198 57 51 34 10 indicated below ner gaskets and 74 50 60 16 15 10 408 10 30

Interested eligible bidders may obtain further information from and inspect the bidding documents at the office of Planning and Project Department, 3. PPWSA #45. Street 106. Srash Chak, Daun Penh, Phnom Penh, Kingdom of Cambodia. Telephone and Fax: 855-23-427657 at 08H00 to 16H00 from Monday to Friday.

A complete set of bidding documents may be purchased by interested bidders 4. on the submission of a written application to the above and upon payment of a non-refundable fee of US\$100 and the method of payment will be cash, cashier's check or direct deposit to Account No. USD 010-02-88-000001-

## **INVITATION FOR BIDS**

from the Agence Francaise de Development (AFD) towards the cost of The Bakheng Water Supply Project – Stage 2. It is intended that part of the proceeds of these funds will be applied to eligible payments under the contract for The Supply and Delivery of Ductile Iron Pipes and Fittings for Secondary Transmission Main.

DN 800mm, 11.25°, Standard Ve Pcs All flanged bend complete and including gaskets, bolts, nuts for both sides.

DN 600mm, 45° rotatable flange Pcs Double socket tee DN 1 with Push-on Joint with Flanged 2, complete and including EPDM elastomer gaskets for accessories (gasket, bolts, nuts and washers) for flange.

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and washer

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30 Branch DN sockets and

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Double socket invert level tee DN 1 with Self-Anchored Joint (Type indicated below or equivalent), with flanged branch DN 2, complete and including EPDM eastormer gaskets for sockets, accessories for self-anchored joint and accessories (gasket, bolts, nuts and washers) for flange.

Double socket invert level tee DN 1 (Standard joint) 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.

All Socket Tee DN 1 with Socket Branch DN 2, with Self-Anchored Joint type indicated below or equivalent) on all 3 sockets, complete and including EPDM elastomer gaskets and accessories for self-anchored joint.

Double socket tee DN 1 with Self-Anchored Joint (type as indicated below 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.

Descriptio

DN 600mm, 11.25°, Standard Ve

DN 600mm, 22.5°, Standard Ve DN 800mm, 45°, Standard Ve

DN 800mm, 22.5°, Standard Ve

DN 80mm, 90° rotatable flange DN 100mm, 90° rotatable flange

DN 150mm, 90° rotatable flange

DN 400mm, 22.5° rotatable flange

DN 400mm, 11.25° rotatable flange

DN 500mm, 11.25° rotatable flange

DN 250/150mm; Standard; rotatable flange

DN 250/200mm; Standard; rotatable flange

DN 250/250mm; Standard; rotatable flange

DN 300/65mm; Standard; rotatable flange

DN 300/150mm; Standard; rotatable flange

DN 300/200mm; Standard; rotatable flange

DN 300/250mm; Standard; rotatable flange

DN 300/300mm; Standard; rotatable flange

DN 400/100mm; Standard; rotatable flange

DN 400/150mm; Standard; rotatable flange

DN 400/200mm; Standard; rotatable flange

DN 400/250mm; Standard; rotatable flange

DN 400/300mm; Standard; rotatable flange

DN 500/400mm; Standard; rotatable flange

DN 600/400mm; Standard; rotatable flange

DN 600/100mm; Standard; rotatable flange

DN 600/250mm; Standard; rotatable flange

DN 600/300mm; Standard; rotatable flange

DN 800/250mm; Standard; rotatable flange

DN 800/300mm; Standard; rotatable flange

DN 300/65mm; Standard; rotatable flange

DN 300/150mm; Standard; rotatable flange

DN 300/200mm; Standard; rotatable flange

DN 300/250mm; Standard; rotatable flange

DN 400/150mm; Standard Vi; Flange: Rotatable

DN 400/200mm; Standard Vi; Flange: Rotatable

DN 400/250mm; Standard Vi; Flange: Rotatable

DN 400/300mm; Standard Vi; Flange: Rotatable

DN 400/400mm; Standard Vi; Flange: Rotatable

DN 500/100mm; Standard Ve; Flange: Rotatable

DN 500/400mm; Standard Ve; Flange: Rotatable

DN 600/100mm; Standard Ve; Flange: Rotatable

DN 600/250mm; Standard Ve; Flange: Rotatable

DN 600/400mm; Standard Ve; Flange: Rotatable

DN 600/300mm; Standard Ve; Flange: Rotatable

DN 800/150mm; Standard Ve; Flange: Rotatable

DN 800/250mm; Standard Ve; Flange: Rotatable

DN 800/300mm; Standard Ve; Flange; Rotatable

DN 800/400mm; Standard Ve; Flange: Rotatable

DN 400/100mm; Standard VI; Flange: Rotatable

DN 500/100mm; Standard VE; Flange: Rotatable

DN 500/150mm; Standard VE; Flange: Rotatable

DN 600/100mm; Standard VE; Flange: Rotatable

DN 600/150mm; Standard VE; Flange: Rotatable

DN 800/200mm; Standard VE; Flange: Rotatable

DN 400/100mm; Standard ; Flange: Rotatable

DN 500/150mm; Standard ; Flange: Rotatable

DN 600/150mm; Standard ; Flange: Rotatable

(type indicated below or equivalent) EPDM elastomer gaskets and access

DN 250/250mm; Standard Vi

DN 300/300mm; Standard Vi

DN 400/400mm; Standard Vi

DN 600/600mm; Standard Ve

B11-5 DN 800/800mm; Standard Ve

DN 800/200mm; Standard ; Flange: Rotatable Pcs

DN 500mm, 22.5° rotatable flange

Item

B5-14

B5-15

B5-16

B5-17

B5-18

**B6** 

B6-1

B6-2

B6-3

B6-4

B6-5

B6-6

B6-7

B6-8

**B7** 

B7-1

B7-2

B7-3

B7-4

B7-5

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B10-1

B10-2

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B11

B11-1

B11-2

B11-3

B11-4

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The Phnom Penh Water Supply Authority now invites sealed bids from leigible bidders for the procurement of Ductile Iron Pipes and Fittings for Secondary Transmission Main:

All items, including quantity 0, shall be filled

Item	Description	Unit	Quantity
B12	All Flanged Tee DN 1 with flanged branch DN 2 including gaskets, bolts, nuts and washers for all s	(all rotatides.	able), complete and
B12-1	DN 250/150mm	Pcs	20
B12-2	DN 250/200mm	Pcs	25
B12-3 B12-4	DN 300/150mm DN 300/200mm	Pcs Pcs	60 60
B12-4 B12-5	DN 300/250mm	Pcs	35
B12-6	DN 400/100mm	Pcs	5
B12-7	DN 400/200mm	Pcs	5
B12-8	DN 400/400mm	Pcs	18
B12-9 B12-10	DN 500/100mm DN 600/100mm	Pcs Pcs	5
B12-11	DN 800/150mm	Pcs	2
B12-12	DN 800/800mm	Pcs	1
B13	Double Socket Concentric Taper DN1/DN2 (Type indicated below or equivalent), comp elastomer gaskets and accessories for self and	with Se olete and hored joi	lf Anchored Joint including EPDM nt.
B13-1	DN 400/250mm; Standard Vi	Pcs	10
B13-2	DN 400/300mm; Standard Vi	Pcs	15
B13-3 B13-4	DN 500/300mm; Standard Ve DN 500/400mm; Standard Ve	Pcs Pcs	10
B13-4 B13-5	DN 600/500mm; Standard Ve	Pcs	13
B13-6	DN 600/400mm; Standard Ve	Pcs	3
B13-7	DN 600/300mm; Standard Ve	Pcs	1
B13-8	DN 800/600mm; Standard Ve	Pcs	3
B14	Double Flanged Concentric Taper DN1/DN gaskets, bolts, nuts and washers for both sides	2 compl 5. Flange	ete and including all rotatable
B14-1	DN 250/150mm	Pcs	100
B14-2 B14-3	DN 250/200mm	Pcs	85
B14-3 B14-4	DN 300/150mm DN 300/200mm	Pcs Pcs	90
B14-5	DN 400/300mm	Pcs	2
B14-6	DN 600/400mm	Pcs	1
B14-7	DN 600/500mm	Pcs	1
B14-8	DN 800/600mm Collar (Express Joint or equivalent) comp	Pcs	l
B15	elastomer gaskets, glands, bolts and nuts.	iete anu	including El Divi
B15-1	DN 300mm	Pcs	198
B15-2 B15-3	DN 600mm DN 800mm	Pcs Pcs	5
B16	Manhole Frame and Cover, heavy duty acco "PPWSA" marking.		
B16-1	Manhole cover (ventilated)	Pcs	11
B16-1 B16-2	Manhole cover (ventilated) Manhole cover (non-ventilated)	Pcs Pcs	11 24
	Manhole cover (non-ventilated)		
B16-2 B17 B17-1	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and bofts) for flange DN 400mm	Pcs stomer U	24 and accessories 20
B16-2 B17 B17-1 B17-2	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and bofts) for flange DN 400mm DN 500mm	Pcs stomer U U	24 and accessories 20 6
B16-2 B17 B17-1	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and bofts) for flange DN 400mm	Pcs stomer U	24 and accessories 20
B16-2 B17 B17-1 B17-2 B17-3	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and bofts) for flange DN 400mm DN 500mm DN 600mm	Pcs stomer U U U U U	24 and accessories 20 6 10 2
B16-2 B17 B17-1 B17-2 B17-3 B17-4	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and bofts) for flange DN 400mm DN 500mm DN 600mm DN 800mm Blank Flange complete, including gasket, bo	Pcs stomer U U U U U	24 and accessories 20 6 10 2
B16-2 B17-1 B17-1 B17-2 B17-3 B17-4 B18	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and bofts) for flange DN 400mm DN 500mm DN 600mm DN 800mm Blank Flange complete, including gasket, bo PN10)	Pcs stomer U U U U U Its, nuts	24 and accessories 20 6 10 2 and washers (ISO
B16-2 B17-1 B17-1 B17-2 B17-3 B17-4 B18 B18-1	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and bofts) for flange DN 400mm DN 500mm DN 600mm DN 800mm Blank Flange complete, including gasket, bo PN10) DN 80mm	Pcs stomer U U U U U Its, nuts Pcs	24 and accessories 20 6 10 2 and washers (ISO 80
B16-2 B17-1 B17-2 B17-3 B17-3 B17-4 B18-7 B18-1 B18-2 B18-3 B18-4	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and boffs) for flange DN 400mm DN 500mm DN 600mm DN 800mm Blank Flange complete, including gasket, bo PN100 DN 80mm DN 100mm DN 150mm DN 250mm	Pcs stomer U U U U U Its, nuts Pcs Pcs Pcs	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101
B16-2 B17-1 B17-2 B17-3 B17-4 B18-1 B18-1 B18-2 B18-3 B18-4 B18-5	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and bofts) for flange DN 400mm DN 500mm DN 600mm Blank Flange complete, including gasket, bo PN10 DN 80mm DN 100mm DN 150mm DN 150mm DN 250mm	Pcs stomer U U U U U Its, nuts Pcs Pcs Pcs Pcs	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82
B16-2           B17-1           B17-2           B17-3           B17-4           B18           B18-1           B18-2           B18-3           B18-4           B18-5           B18-6	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and boffs) for flange DN 400mm DN 500mm DN 600mm DN 800mm Blank Flange complete, including gasket, bo PN10 DN 80mm DN 100mm DN 150mm DN 250mm DN 300mm DN 300mm	Pcs stomer U U U U U Its, nuts Pcs Pcs Pcs Pcs Pcs Pcs Pcs	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17
B16-2           B17-1           B17-2           B17-3           B17-4           B18           B18-1           B18-2           B18-3           B18-4           B18-5	Manhole cover (non-ventilated) Expansion Joint including EPDM ela (gaskets,nuts,washers and bofts) for flange DN 400mm DN 500mm DN 600mm Blank Flange complete, including gasket, bo PN10 DN 80mm DN 100mm DN 150mm DN 150mm DN 250mm	Pcs stomer U U U U U U Its, nuts Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1
B16-2           B17           B17-1           B17-2           B17-3           B17-4           B18           B18-1           B18-2           B18-3           B18-4           B18-5           B18-6           B18-7	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and boffs) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 150mm         DN 250mm         DN 300mm         DN 300mm	Pcs stomer U U U U U U Its, nuts Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1
B16-2           B17-1           B17-2           B17-3           B17-4           B18           B18-1           B18-2           B18-3           B18-4           B18-5           B18-6           B18-7           B19	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gasketts,nuts,washers and bofts) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 300mm         DN 300mm         Self-Restrained Dismantling Joint, complete elastomer gaskets and nuts, bolts and washers	Pcs stomer U U U U U U U Its, nuts Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pc	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 including EPDM res and tic-rods.
B16-2           B17-1           B17-2           B17-3           B17-4           B18           B18-1           B18-2           B18-3           B18-4           B18-5           B18-6           B18-7           B19           B19-1           B19-2           B19-3	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and bofts) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 300mm         DN 300mm         DN 400mm         DN 50mm         DN 100mm         DN 50mm         DN 100mm         DN 500mm         DN 400mm         DN 800mm         Self-Restrained Dismantling Joint, complete elastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 500mm	Pcs stomer U U U U U U U U U U U U U	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 including EPDM res and tie-rods. 15 23 23
B16-2           B17-1           B17-2           B17-3           B17-4           B18           B18-1           B18-2           B18-3           B18-4           B18-5           B18-6           B18-7           B19           B19-1           B19-2           B19-3           B19-4	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and bofts) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 300mm         DN 300mm         DN 400mm         DN 50mm         DN 50mm         DN 500mm         DN 800mm         DN 600mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 500mm         DN 800mm	Pcs stomer U U U U U U U U U U U U U	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 including EPDM res and tie-rods. 15 23
B16-2           B17-1           B17-2           B17-3           B17-4           B18           B18-1           B18-2           B18-3           B18-4           B18-5           B18-6           B18-7           B19           B19-1           B19-2           B19-3           B19-4           B20	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and boffs) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 150mm         DN 250mm         DN 300mm         DN 300mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 800mm	Pcs stomer U U U U U U U U U U U U U	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 101 82 17 1 1 including EPDM 15 23 23 23 4
B16-2           B17-1           B17-2           B17-3           B17-4           B17-3           B17-4           B18-1           B18-2           B18-3           B18-4           B18-5           B18-6           B18-7           B19-1           B19-2           B19-3           B19-4           B20-1	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and bofts) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 300mm         DN 300mm         DN 400mm         DN 50mm         DN 100mm         DN 500mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 800mm         Walve box         Valve box (brand PPWSA)-PAVA 19	Pcs stomer U U U U U Its, nuts Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pc	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 101 82 17 1 including EPDM seand tie-rods. 15 23 23 4
B16-2 B17-1 B17-2 B17-3 B17-4 B18-3 B18-4 B18-2 B18-3 B18-4 B18-5 B18-6 B18-7 B18-6 B18-7 B19-1 B19-1 B19-2 B19-3 B19-4 B20	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and boffs) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 150mm         DN 250mm         DN 300mm         DN 300mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 800mm	Pcs stomer U U U U U Its, nuts Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pc	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 101 82 17 1 including EPDM seand tie-rods. 15 23 23 4
B16-2 B17-1 B17-2 B17-3 B17-4 B17-3 B17-4 B18- B18-1 B18-2 B18-3 B18-4 B18-5 B18-6 B18-7 B19-1 B19-2 B19-1 B19-2 B19-3 B19-4 B20-1 B20-1 B21-1 B21-1	Manhole cover (non-ventilated)         Expansion Joint including EPDM cla         (gaskets,nuts,washers and boffs) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 300mm         DN 300mm         DN 400mm         DN 50mm         DN 100mm         DN 800mm         DN 800mm         DN 800mm         DN 800mm         DN 800mm         DN 800mm         DN 400mm         DN 500mm         DN 500mm         DN 800mm         Valve box         Valve box         Valve box (brand PPWSA)-PAVA 19         Hot dip galvanized bolts and nuts (PN10) wi         indicated below         16mm, 85/57	Pcs stomer U U U U U U U U U U U U U	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 including EPDM res and tie-rods. 15 23 23 4 4 2,500 ter (mm) and L/X
B16-2 B17-1 B17-2 B17-3 B17-4 B18-3 B18-4 B18-3 B18-4 B18-5 B18-6 B18-7 B18-6 B18-7 B19-1 B19-2 B19-3 B19-4 B20-1 B20-1 B21-1 B21-2	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and boffs) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 300mm         DN 300mm         DN 400mm         DN 100mm         DN 50mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 800mm         Valve box         Valve box         Valve box         Valve Box (brand PPWSA)-PAVA 19         Hot dip galvanized bolts and nuts (PN10) wi         16mm, 85/57         16mm,90/62	Pcs stomer U U U U U U U U U U U U U	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 including EPDM res and tie-rods. 15 23 23 4 4 2,500 ter (mm) and L/X 38 375
B16-2 B17-1 B17-2 B17-3 B17-4 B18-3 B18-4 B18-2 B18-3 B18-4 B18-5 B18-6 B18-7 B18-6 B18-7 B19-1 B19-1 B19-2 B19-3 B19-4 B20-1 B20-1 B21-1 B21-2 B21-3	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and bofts) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 250mm         DN 300mm         DN 800mm         DN 100mm         DN 100mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 800mm         Valve box         Valve box         Valve box         Valve box         Valve box         16mm, 85/57         16mm, 90/62         20mm, 100/72	Pcs stomer U U U U U U U U U U U U U	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 including EPDM res and tie-rods. 15 23 23 4 4 2,500 ter (mm) and L/X 38 375 956
B16-2 B17-1 B17-2 B17-3 B17-4 B18-3 B18-4 B18-2 B18-3 B18-4 B18-5 B18-6 B18-7 B18-6 B18-7 B19-1 B19-1 B19-2 B19-3 B19-4 B20-1 B20-1 B21-1 B21-2 B21-3 B21-4	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and boffs) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 100mm         DN 300mm         DN 400mm         DN 100mm         DN 50mm         DN 800mm         DN 800mm         DN 800mm         DN 800mm         DN 800mm         DN 400mm         DN 500mm         DN 500mm         DN 800mm         Indicated bolts and nuts (PN10) withold indicated below         16mm, 85/57         16mm, 85/57         16mm, 90/62         20mm, 100/72         20mm, 120/83	Pcs stomer U U U U V V V V V V V V V V V V V V S Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 including EPDM res and tic-rods. 15 23 23 4 4 2,500 ter (mm) and L/X 38 375 956 172
B16-2 B17-1 B17-2 B17-3 B17-4 B17-2 B17-3 B17-4 B18- B18-1 B18-2 B18-3 B18-4 B18-5 B18-6 B18-7 B19-1 B19-2 B19-1 B19-2 B19-3 B19-4 B20-1 B20-1 B21-1 B21-2 B21-1 B21-2 B21-3	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and bofts) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 250mm         DN 300mm         DN 800mm         DN 100mm         DN 100mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 800mm         Valve box         Valve box         Valve box         Valve box         Valve box         16mm, 85/57         16mm, 85/57         16mm, 90/62         20mm, 100/72         20mm, 120/83         24mm, 140/103	Pcs stomer U U U U U U U U U U U U U	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 including EPDM res and tie-rods. 15 23 23 4 4 2,500 ter (mm) and L/X 38 375 956
B16-2           B16-2           B17-1           B17-2           B17-3           B17-4           B18           B18-1           B18-2           B18-3           B18-4           B18-5           B18-6           B18-7           B19           B19-1           B19-2           B19-3           B19-4           B20           B21-1           B21-2           B21-3           B21-4           B21-5	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and boffs) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 100mm         DN 300mm         DN 400mm         DN 100mm         DN 50mm         DN 800mm         DN 800mm         DN 800mm         DN 800mm         DN 800mm         DN 400mm         DN 500mm         DN 500mm         DN 800mm         Indicated bolts and nuts (PN10) withold indicated below         16mm, 85/57         16mm, 85/57         16mm, 90/62         20mm, 100/72         20mm, 120/83	Pcs stomer U U U U Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 including EPDM res and tic-rods. 15 23 23 4 2,500 ter (mm) and L/X 38 375 956 172 557
B16-2           B16-2           B17-1           B17-2           B17-3           B17-4           B18           B18-1           B18-2           B18-3           B18-4           B18-5           B18-6           B18-7           B19           B19-1           B19-2           B19-3           B19-4           B20           B21-1           B21-2           B21-4           B21-5           B21-6	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and bofts) for flange         DN 400mm         DN 500mm         DN 600mm         DN 800mm         Blank Flange complete, including gasket, bo         PN10)         DN 80mm         DN 100mm         DN 100mm         DN 250mm         DN 250mm         DN 300mm         DN 800mm         DN 100mm         DN 100mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 800mm         Valve box         Valve box         Valve box         Valve box         Valve box         16mm, 85/57         16mm, 85/57         16mm, 90/62         20mm, 100/72         20mm, 120/83         24mm, 140/103         24mm, 150/110	Pcs stomer U U U U V V V V V V V V V V V V V V V	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 1 including EPDM 82 17 1 1 including EPDM 15 23 23 4 23 4 4 2,500 ter (mm) and L/X 38 375 956 172 557 360
B16-2 B17-1 B17-2 B17-3 B17-4 B17-2 B17-3 B17-4 B18-4 B18-1 B18-2 B18-3 B18-4 B18-5 B18-6 B18-7 B19-2 B19-1 B19-2 B19-3 B19-4 B20-1 B20-1 B20-1 B21-2 B21-3 B21-2 B21-3 B21-4 B21-5 B21-6 B21-7	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and boffs) for flange         DN 400mm         DN 500mm         DN 800mm         Blank Flange complete, including gasket, bop         PN10)         DN 800mm         DN 100mm         DN 100mm         DN 100mm         DN 250mm         DN 300mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 800mm         Valve box         Valve box         Valve box         Valve box         16mm, 85/57         16mm, 90/62         20mm, 100/72         20mm, 120/83         24mm, 140/103         24mm, 150/110         27mm, 170/122	Pcs stomer U U U U Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs Pcs	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 1 including EPDM 82 17 1 1 including EPDM 1 23 23 4 4 2,500 ter (mm) and L/X 38 375 956 172 557 360 48
B16-2 B17-1 B17-2 B17-3 B17-4 B17-2 B17-3 B17-4 B18-4 B18-1 B18-2 B18-3 B18-4 B18-5 B18-6 B18-7 B19-2 B19-1 B19-2 B19-1 B19-2 B19-3 B19-4 B20-1 B21-1 B21-2 B21-3 B21-4 B21-5 B21-6 B21-7 B21-8	Manhole cover (non-ventilated)         Expansion Joint including EPDM ela         (gaskets,nuts,washers and boffs) for flange         DN 400mm         DN 500mm         DN 800mm         Blank Flange complete, including gasket, bop         PN10)         DN 800mm         DN 100mm         DN 100mm         DN 250mm         DN 300mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 800mm         Self-Restrained Dismantling Joint, completelastomer gaskets and nuts, bolts and washers         DN 400mm         DN 500mm         DN 800mm         Valve box         Valve Box (brand PPWSA)-PAVA 19         Hot dip galvanized bolts and nuts (PN10) wiindicated below         16mm, 85/57         16mm, 90/62         20mm, 120/83         24mm, 140/103         24mm, 140/103         24mm, 150/110         27mm, 170/122         30mm, 160/110	Pcs stomer U U U U V V V V V V V V V V V V V V V	24 and accessories 20 6 10 2 and washers (ISO 80 150 85 101 82 17 1 1 including EPDM 82 17 1 1 including EPDM 1 23 23 4 23 23 4 4 2,500 ter (mm) and L/X 38 375 956 172 557 360 48 19

0 at VATTANAC Bank, Phnom Penh. The document will be sent by registered airmail at an additional cost of US\$40, but PPWSA will not be held responsible for late delivery or loss of the documents mailed. The provisions in the Instructions to Bidders and in the General Conditions

of Contract are the provisions of the Agence Française de Développement's Standard Bidding Documents: Procurement of Goods.

Bids must be delivered to the above office on or before 14:30 (local time) on 26-January-2023 and must be accompanied by a bid security in an amount of 300,000 USD (Three Hundred Thousand US Dollars). Bids will be opened in the presence of bidders' representatives who choose to attend at 14:30 (local time) on **26-January-2023 at New Admin Building** (Hall Room in the 3rd Floor) of Phnom Penh Water Supply Authority 445, Street 106, Srash Chak, Daun Penh, Phnom Penh, Kingdom of Cambodia, Telephone: 855-23-427657.

Qualification criteria and Additional details are provided in the Bidding 8. Documents