DEPARTMENT OF WATER AND SANITATION

DWS01 0525 WTE

MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND SITE SUPERVISION FOR THE REFURBISHMENT OF DARLINGTON DAM. ONLY RESPONDENTS WITH CIDB GRADING 8ME OR HIGHER ARE ELIGIBLE TO BID

C2.2 BILL OF QUANTITIES

PRICING SCHEDULE – NON-FIRM PRICES **SBD 3.2**

(PURCHASES)

NOTE: PRICE ADJUSTMENTS WILL BE ALLOWED AT THE PERIODS AND TIMES SPECIFIED IN THE BIDDING DOCUMENTS.

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of Bidder……Bid number……
Closing Time 11:00 …….. Closing date 30 June 2025……..

Initial _____

1. OFFER TO BE VALID FOR 120 DAYS FROM CLOSING DATE OF BID

a.1 Schedule for Manufacturing

Refurbishment of Darlington Dam – Outlet works

Item No. *	Description	Drg. No.	Qty	Nominal Size (NB)	Mass (kg) per item	Total cost per Item	Total cost
1	BREASTPLATE	181913/25 ME	15	1000			
2	SEALING FRAME	181913/25 ME	15	N/A			
3	PIPE	181914/25 ME	30	1000			
4	BOTTOM PIPE	181914/25 ME	5	1000			
5	MIDDLE PIPE	181914/25 ME	5	1000			
6	TOP PIPE	181914/25 ME	5	1000			
7	BLANK FLANGE	181914/25 ME	10	1000			
8	BLANK FLANGE	181914/25 ME	10	50			
9	GUIDE CHANNEL A (AS DRAWN)	181915/25 ME	15	N/A			
10	GUIDE CHANNEL A (OPP. HAND)	181915/25 ME	15	N/A			
11	GUIDE CHANNEL B	181915/25 ME	10	N/A			
12	GUIDE RAIL A	181915/25 ME	10	N/A			
13	GUIDE RAIL B	181915/25 ME	20	N/A			
14	GUIDE RAIL C	181915/25 ME	10	N/A			
						Carried forward (Manufacturing Cost)	

Initial _____

				Brough forward (Manufacturing Cost)			
15	STRAIGHT PIPE (AS DRAWN)	181916/25 ME	2	1000			
16	STRAIGHT PIPE (OPP. HAND)	181916/25 ME	3	1000			
17	24 DEGREE BEND	181916/25 ME	5	1000			
18	SLEEVE VALVE (REFURBISHMENT)		6	1000			
19	DOUBLE OFFSET PIPE	181916/25 ME	5	100			
20	MONORAIL BEAM	181916/25 ME	6	N/A			
21	VESCONITE STRIP c/w SHIMS	181916/25 ME	640	N/A			
22	STUD M16×80 c/w 2 NUTS & 2 WASHERS		240	M16			
23	ANCHOR M20×240 c/w NUT & WASHER		440	M20			
24	ANCHOR M24×300 c/w NUT & WASHER		60	M24			
25	ANCHOR M30×80 c/w NUT & WASHER		240	M30			
26	C'SUNK SCREW M10 × 50		900	M10			
27	STUD M30×750 c/w 2 NUTS & 2 WASHERS		60	M30			
				Carried forward (Manufacturing Cost)			

Initial _____

						Brough forward (Manufacturing Cost)	
28	HEX BOLT: M16×60 c/w NUT & 2 WASHER		280	M16			
29	HEX BOLT: M30 × 160 c/w NUT & 2 WASHER		700	M30			
30	CAISON (REFURBISHMENT)		1	N/A	N/A		
31	CHAIN HOIST (5-TON)		1	N/A	N/A		
32	FINE SCREEN		6	N/A	N/A		
34	MISCELLANEROUS ITEMS (Gaskets, grease, lubricant etc.)		sum	N/A	N/A	N/A	
						TOTAL (Manufacturing Cost)	

Initial _____

a.2 Schedule for Corrosion Protection

Refurbishment of Darlington Dam – Outlet works

Item No. *	Description	Drg. No.	Qty	Nominal Size (NB)	Surface Area (m^2) per item	Total cost per Item	Total cost
1	BREASTPLATE	181913/25 ME	15	1000			
2	SEALING FRAME	181913/25 ME	15	N/A			
3	PIPE	181914/25 ME	30	1000			
4	BOTTOM PIPE	181914/25 ME	5	1000			
5	MIDDLE PIPE	181914/25 ME	5	1000			
6	TOP PIPE	181914/25 ME	5	1000			
7	BLANK FLANGE	181914/25 ME	10	1000			
8	BLANK FLANGE	181914/25 ME	10	50			
9	GUIDE CHANNEL A (AS DRAWN)	181915/25 ME	15	N/A			
10	GUIDE CHANNEL A (OPP. HAND)	181915/25 ME	15	N/A			
11	GUIDE CHANNEL B	181915/25 ME	10	N/A			
12	GUIDE RAIL A	181915/25 ME	10	N/A			
13	GUIDE RAIL B	181915/25 ME	20	N/A			
14	GUIDE RAIL C	181915/25 ME	10	N/A			
15	STRAIGHT PIPE (AS DRAWN)	181916/25 ME	2	1000			
						Carried forward (Corrosion Protection Cost)	

Initial _____

				Brough forward (Corrosion Protection Cost)			
16	STRAIGHT PIPE (OPP. HAND)	181916/25 ME	3	1000			
17	24 DEGREE BEND	181916/25 ME	5	1000			
18	SLEEVE VALVE (REFURBISHMENT)		6	1000			
19	DOUBLE OFFSET PIPE	181916/25 ME	5	100			
20	MONORAIL BEAM	181916/25 ME	6	N/A			
21	CAISON (REFURBISHMENT)		1	N/A	N/A		
22	FINE SCREEN		6	N/A	N/A		
				TOTAL (Corrosion Protection Cost)			

Initial _____

a.3 Schedule for Transport cost (Including Packaging Against Damages)

Refurbishment of Darlington Dam – Outlet works

Item No. *	Description	Drg. No.	Qty	Nominal Size (NB)	Mass (kg) per item	Total cost per Item	Total cost
1	BREASTPLATE	181913/25 ME	15	1000			
2	SEALING FRAME	181913/25 ME	15	N/A			
3	PIPE	181914/25 ME	30	1000			
4	BOTTOM PIPE	181914/25 ME	5	1000			
5	MIDDLE PIPE	181914/25 ME	5	1000			
6	TOP PIPE	181914/25 ME	5	1000			
7	BLANK FLANGE	181914/25 ME	10	1000			
8	BLANK FLANGE	181914/25 ME	10	50			
9	GUIDE CHANNEL A (AS DRAWN)	181915/25 ME	15	N/A			
10	GUIDE CHANNEL A (OPP. HAND)	181915/25 ME	15	N/A			
11	GUIDE CHANNEL B	181915/25 ME	10	N/A			
12	GUIDE RAIL A	181915/25 ME	10	N/A			
13	GUIDE RAIL B	181915/25 ME	20	N/A			
14	GUIDE RAIL C	181915/25 ME	10	N/A			
15	STRAIGHT PIPE (AS DRAWN)	181916/25 ME	2	1000			
						Carried Forward (Transport Cost)	

Initial _____

						Brought Forward (Transport Cost)	
16	STRAIGHT PIPE (OPP. HAND)	181916/25 ME	3	1000			
17	24 DEGREE BEND	181916/25 ME	5	1000			
18	SLEEVE VALVE (REFURBISHMENT)		6	1000			
19	DOUBLE OFFSET PIPE	181916/25 ME	5	100			
20	MONORAIL BEAM	181916/25 ME	6	N/A			
21	CAISON (REFURBISHMENT)		1	N/A	N/A		
22	FINE SCREEN		6	N/A	N/A		
24	MISCELLANEROUS ITEMS (Gaskets, grease, lubricant etc.)						
25	CIVIL MATERIAL						
						TOTAL (Transport)	

Initial _____

Preliminaries and General and Site Work

Refurbishment of Darlington Dam – Outlet works

Item No. *	Description	Qty	unit	Nominal Size (NB)	R/unit	Total cost
a	**Work in Contractors facilities**					
a.1	Total manufacturing cost	1	sum	N/A	N/A	
a.2	Total corrosion protection cost	1	sum	N/A	N/A	
a.3	Total transport cost (Packaging against damages)	1	sum	N/A	N/A	
TOTAL (SECTION A – WORK CONDUCTED IN CONTRACTORS FACILITIES)						
b	**Work on Site**					
b.1	Compliance to Environmental requirements	1	sum	N/A	N/A	
b.2	Compliance to Health and Safety requirements	1	sum	N/A	N/A	
b.3	Site establishment	1	sum	N/A	N/A	
b.4	Site de-establishment	1	sum	N/A	N/A	
b.5	Transport – (Work execution)	1	sum	N/A	N/A	
b.6	Caison Installation	5	off	N/A		
b.7	Breast plate refurbishment & Corrosion protection (old)	15	off	N/A		
b.8	Diving Works	1	sum	N/A	N/A	
b.9	Installation Breastplate (New)	15	off	1000		
Carried forward (Section B – Work on Site)						

Initial _____

				Brought forward (Section B – Work on Site)		
b.10	Sleeve – Installation (Intake level A: ±12 m from FSL & Pipe length of ±12 m) - Include welding to Breastplate - Include field welding & corrosion protection of pipe sections - Include welding & corrosion protection of DN1000 flange - Include grouting	5	off	1000		
b.11	Sleeve – Installation (Intake level B: ±7 m from FSL & Pipe length of ±7 m) - Include welding to Breastplate - Include field welding & corrosion protection of pipe sections - Include welding & corrosion protection of DN1000 flange - Include grouting	5	off	1000		
b.12	Sleeve – Installation (Intake level C: ±3 m from FSL & Pipe length of ±4 m) - Include welding to Breastplate - Include field welding & corrosion protection of pipe sections - Include welding & corrosion protection of DN1000 flange - Include grouting	5	off	1000		
b. 13	Installation of Emergency gate rail (6m)	30	off	N/A		
b. 14	Installation of monorails & 1x 5-TON Chain hoist	6	off	N/A		
b. 15	Installation of Blank flanges	10	off	1000		
b. 16	Installation of 24-degree pipe bend.	5	off	1000		
				Carried forward (Section B – Work on Site)		

Initial _____

				Brought forward (Section B – Work on Site)		
b. 17	Installation of Scour Pipe system	1	off	100	N/A	
b. 18	Installation of Sleeve Valve (Refurbished)	6	off	1000		
b. 19	Installation of Fine Screen	6	off	N/A		
b. 20	Installation of Fine Screen Channel (6m)	30	off	N/A		
				TOTAL (SECTION B – WORK CONDUCTED ON SITE)		
c.	**Dayworks**					
c. 1	Artisan - Welder	200	Hours	N/A		
c. 2	Artisan – Construction Rigger	200	Hours	N/A		
c. 3	Corrosion protection application	100	m^2	N/A		
c. 4	Civil engineer/technologist/technician	200	Hours	N/A		
c.5	Skilled labour	400	Hours	N/A		
c.6	Semi-skilled labour	400	Hours	N/A		
				TOTAL (SECTION C – DAYWORKS)		

Initial _____

SUMMARY OF COST

REFURBISHMENT OF DARLINGTON DAM – OUTLET WORKS

ITEM NO	DESCRIPTION	TOTAL COST
A	TOTAL (Section A – Work Conducted in Contractors Facilities)	
B	TOTAL (Section B – Work Conducted on Site)	
C	TOTAL (Section C – Dayworks)	
D	SUB TOTAL D (Section A + B + C) **(To be used as comparative offer)**	
E	Contingency of R 10,000,000.00 **(To be excluded when determining comparative offer)**	R 10 000 000
F	20% Escalation on SUB TOTAL D **(To be excluded when determining comparative offer)**	
G	SUB TOTAL G (SUB TOTAL D + E + F)	
	CIDB SKILLS DEVELOPMENT	
H	Minimum Contract Skills Development Goal (CSDG) Sum = ME (0.25%) x SUB TOTAL G **(To be excluded when determining comparative offer)**	
I	TOTAL (excl. VAT) (G + H)	
	15% VAT	
	TOTAL (Incl. VAT)	

Initial _____