

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		SANS 1200A	SCHEDULE 1: GENERAL				
		8.3	SCHEDULED FIXED-CHARGE AND VALUE RELATED ITEMS				
1.01		PS A8.3.1	Contractual Requirements	Sum	1		
		PS A 8.3.2	Establishment of Facilities on the Site:				
		PS A 8.3.2.1	Facilities for Engineer (SANS 1200 AB)				
1.02		PS A 8.3.2.1 (a)	Engineers Office	Sum	1		
1.03		PS A 8.3.2.1 (b)	Communication costs (cellular phone)	Sum	1		
1.04		PS A 8.3.2.1 (c)	Nameboards (2 No.)	Sum	1		
1.05		PS A 8.3.2.1 (d)	Computer facilities complete with printer, modem with 4G connection	Sum	1		
1.06		PS A 8.3.2.1 (e)	Provision of survey equipment	Sum	1		
		PS A 8.3.2.2	Facilities for Contractor				
1.07		PS A 8.3.2.2 (a)	Offices and storage sheds	Sum	1		
1.08		PS A 8.3.2.2 (b)	Workshops	Sum	1		
1.09		PS A 8.3.2.2 (c)	Laboratories	Sum	1		
1.10		PS A 8.3.2.2 (d)	Ablution and latrine facilities	Sum	1		
1.11		PS A 8.3.2.2 (e)	Tools and equipment	Sum	1		
1.12		PS A 8.3.2.2 (f)	Water supplies, electric power and communications	Sum	1		
1.13		PS A 8.3.2.2 (g)	Dealing with water (Sub-clause 5.5)	Sum	1		
1.14		PS A 8.3.2.2 (h)	Access (Sub-clause 5.8)	Sum	1		
1.15		PS A 8.3.2.2. (i)	Plant.	Sum	1		
1.16		PS A 8.3.3	Other fixed-charge obligations	Sum	1		
1.17		PS A 8.3.4	Removal of Site establishment	Sum	1		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
 CONTRACT NUMBER: UGU-07-1734-2026
 SECTION: SCHEDULE 1: GENERAL

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		PSA 8.3.5	OHS Act Obligations:				
1.18		PS A B.8.3.5.1	Contractor's initial obligations in respect of the Occupation Health and Safety Act and Contractual Regulations	Sum	1		
1.19		PS A B.8.3.5.2	Occupational Health and Safety Act	Sum	1		
1.20			iii) Fulfil legislated and/or specified requirements for blasting (incl. submission of plans).	Sum	1		
1.21		PSA 8.3.3.3	Environmental Management Plan Obligations	Sum	1		
		8.4	SCHEDULED TIME-RELATED ITEMS				
1.22		PSA 8.4.1	Contractual Requirements.	Sum	1		
1.23		8.4.2	Operate and maintain facilities on the Site for duration of Construction:	Sum	1		
		PSA 8.4.2.1	Facilities for the Employer's Agent:				
1.24		8.4.2.1. (a)	Engineers Office	Sum	1		
1.25		8.4.2.1. (b)	Provision of name board	Sum	1		
1.26		8.4.2.1. (c)	Provision of cellular phone	Sum	1		
1.27		8.4.2.1. (d)	Provision of survey equipment	Sum	1		
1.28		PSA 8.4.2.2	Facilities for Contractor:				
1.29		8.4.2.2 (a)	Offices and storage sheds	Sum	1		
1.30		8.4.2.2 (b)	Workshops	Sum	1		
1.31		8.4.2.2 (c)	Laboratories	Sum	1		
1.32		8.4.2.2 (d)	Ablution and latrine facilities	Sum	1		
1.33		8.4.2.2 (e)	Tools and equipment	Sum	1		
1.34		PSA 8.4.2.2 (f)	Water supplies, electric power and communications	Sum	1		
1.35		8.4.2.2 (g)	Dealing with water (Sub-clause 5.5)	Sum	1		
TOTAL CARRIED FORWARD							

CONTRACT TITLE:	REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER	UGU-07-1734-2026
SECTION:	SCHEDULE 1: GENERAL

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CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 2: EARTHWORKS (PIPE TRENCHES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE		AMOUNT
2.1		SANS1200 C	SCHEDULE 2: EARTHWORKS (PIPE TRENCHES)					
2.1.1	LI	8.2.1	Clear vegetation and grub	m²	51 710			
2.1.2	LI	8.2.2	Remove large trees and tree stumps of girth up to 1 m	No.	185			
2.1.3		8.2.10	Remove topsoil to a nominal depth of 150mm and stockpile	m²	51 710			
2.1.4		PSC 8.2.11	Take Down and Re-erect Fence	m	470			
2.1.5		PSC 8.2.12	Demarcation Staking	m	150			
2.1.6		PSC 8.2.13	Fencing of Pipeline Servitudes in populated areas	m	600			
2.1.7		PSC 8.2.14	Removal and Re-Erection of Structures	Prov Sum	1	R	600 000.00	R 600 000.00
2.1.8			(i) Overheads, charges and profit on item 2.1.7 above	%	600 000			
		SANS1200 DB	PIPE TRENCHES					
2.2			EXCAVATION					
		8.3.2(a)	Excavate in all materials for trenches, backfill, compact, and dispose of surplus/ unsuitable material, for up to 110 mm dia. pipes for total trench depth:					
2.2.1	LI		a) Exceeding 0,0 m but not exceeding 1,0 m	m	140			
2.2.2			b) Exceeding 1,0 m but not exceeding 2,0 m	m	40			
2.2.3			c) Exceeding 2,0 m but not exceeding 3,0 m	m	20			
TOTAL CARRIED FORWARD								

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 2: EARTHWORKS (PIPE TRENCHES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		8.3.2(a)	Excavate in all materials for trenches, backfill, compact, and dispose of surplus/ unsuitable material, for 160 mm dia. pipes for total trench depth:				
2.2.4	LI		a) Exceeding 0,0 m but not exceeding 1,0 m	m	4 200		
2.2.5			b) Exceeding 1,0 m but not exceeding 2,0 m	m	1 200		
2.2.6			c) Exceeding 2,0 m but not exceeding 3,0 m	m	600		
2.2.7			d) Exceeding 3,0 m but not exceeding 4,0 m	m	50		
		8.3.2(a)	Excavate in all materials for trenches, backfill, compact, and dispose of surplus/ unsuitable material, for 200 mm dia. pipes for total trench depth:				
2.2.8	LI		a) Exceeding 0,0 m but not exceeding 1,0 m	m	1 428		
2.2.9			b) Exceeding 1,0 m but not exceeding 2,0 m	m	408		
2.2.10			c) Exceeding 2,0 m but not exceeding 3,0 m	m	204		
2.2.11			d) Exceeding 3,0 m but not exceeding 4,0 m	m	10		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 2: EARTHWORKS (PIPE TRENCHES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		8.3.2(a)	Excavate in all materials for trenches, backfill, compact, and dispose of surplus/ unsuitable material, for 250 mm dia. pipes for total trench depth:				
2.2.12	LI		a) Exceeding 0,0 m but not exceeding 1,0 m	m	210		
2.2.13			b) Exceeding 1,0 m but not exceeding 2,0 m	m	60		
2.2.14			c) Exceeding 2,0 m but not exceeding 3,0 m	m	30		
2.2.15			d) Exceeding 3,0 m but not exceeding 4,0 m	m	10		
		8.3.2(a)	Excavate in all materials for trenches, backfill, compact, and dispose of surplus/ unsuitable material, for 315 mm dia. pipes for total trench depth:				
2.2.16	LI		a) Exceeding 0,0 m but not exceeding 1,0 m	m	210		
2.2.17			b) Exceeding 1,0 m but not exceeding 2,0 m	m	60		
2.2.18			c) Exceeding 2,0 m but not exceeding 3,0 m	m	30		
2.2.19			d) Exceeding 3,0 m but not exceeding 4,0 m	m	10		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

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SECTION: SCHEDULE 2: EARTHWORKS (PIPE TRENCHES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		8.3.2(a)	Excavate in all materials for trenches, backfill, compact, and dispose of surplus/ unsuitable material, for 355 mm dia. pipes for total trench depth:				
2.2.20	LI		a) Exceeding 0,0 m but not exceeding 1,0 m	m	315		
2.2.21			b) Exceeding 1,0 m but not exceeding 2,0 m	m	90		
2.2.22			c) Exceeding 2,0 m but not exceeding 3,0 m	m	45		
2.2.23			d) Exceeding 3,0 m but not exceeding 4,0 m	m	10		
		8.3.2(a)	Excavate in all materials for trenches, backfill, compact, and dispose of surplus/ unsuitable material, for 450 mm dia. pipes for total trench depth:				
2.2.24	LI		a) Exceeding 0,0 m but not exceeding 1,0 m	m	140		
2.2.25			b) Exceeding 1,0 m but not exceeding 2,0 m	m	40		
2.2.26			c) Exceeding 2,0 m but not exceeding 3,0 m	m	20		
2.2.27			d) Exceeding 3,0 m but not exceeding 4,0 m	m	10		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

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SECTION: SCHEDULE 2: EARTHWORKS (PIPE TRENCHES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
2.3		8.3.2(b)	Extra-over items 2.2.1-2.2.27 included for:				
2.3.1			1) Intermediate excavation	m³	3 296		
2.3.2			2) Hard rock excavation by Hand (Pneumatic)	m³	165		
2.3.3			3) Hard rock excavation (Controlled Blasting)	m³	7 416		
2.3.4			4) Boulder excavation Class A	m³	824		
2.3.5			5) Boulder excavation Class B	m³	824		
2.3.6		8.3.2(c)	6) Excavate and dispose of unsuitable material from trench bottom (Provisional)	m³	824		
2.3.7			7) Hand excavation and backfill only where ordered by the Engineer	m³	1 000		
2.3.8			8) Backfill stabilised with 5% cement where directed by the Engineer	m³	165		
2.4		8.3.3	EXCAVATION ANCILLARIES				
		8.3.3.1	Make-up deficiency in backfill material				
2.4.1		8.3.3.1(a)	i) From other necessary excavations on site	m³	1 285		
2.4.2		8.3.3.1(a)	ii) From Borrow Pits	m³	9 640		
2.4.3		8.3.3.1(a)	iii) From Commercial Sources	m³	1 928		
2.4.4		8.3.3.3	ii) Compaction in road reserves to 90% Mod Aashto as instructed by Employer's Agent	m³	1 170		
2.5		8.3.4	Shoring of trenches				
2.5.1			Opposite existing pipe service where instructed by Employer's Agent in the following depth Categories)				
2.5.2			a) Exceeding 0,0m but not exceeding 2,0 m.	m	960		
2.5.3			b) Exceeding 2,0m but not exceeding 3,0 m.	m	480		
2.5.4			c) Exceeding 3,0m but not exceeding 4,0 m.	m	1		
2.5.5			d) Exceeding 4,0m but not exceeding 5,0 m.	m	1		
2.5.6			e) Exceeding 5,0m but not exceeding 6,0 m.	m	1		
2.5.7			f) Exceeding 6,0m but not exceeding 7,0 m.	m	1		
2.5.8			g) Exceeding 7,0m but not exceeding 8,0 m.	m	1		
TOTAL CARRIED FORWARD							

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SECTION: SCHEDULE 2: EARTHWORKS (PIPE TRENCHES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
2.6		8.3.5	EXISTING SERVICES THAT INTERSECT OR AJOIN A PIPE TRENCH				
		8.3.5(a)	Services that intersect a trench as listed by SANS				
2.6.1	LI		1) Electrical cable	No.	190		
2.6.2			2) Telecommunication cable	No.	190		
2.6.3			3) Sewer mains	No.	190		
2.6.4			4) Stormwater pipes	No.	190		
2.6.5			5) Water pipes	No.	190		
2.6.6			6) Gas pipes	No.	5		
2.6.7			7) Other	No.	190		
		8.3.5(b)	Services that adjoin a trenches listed by SANS				
2.6.8	LI		1) Electrical cable	m	600		
2.6.9	LI		2) Telecommunication cable	m	600		
2.6.10	LI		3) Sewer mains	m	600		
2.6.11	LI		4) Stormwater pipes	m	600		
2.6.12	LI		5) Water pipes	m	600		
2.6.13	LI		6) Gas pipes	m	10		
2.6.14	LI		7) Other	m	600		
2.7			FINISHING:				
2.7.1		8.3.6.1	Reinstate road surfaces complete with all courses.	m	90		
TOTAL CARRIED FORWARD							

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CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 2: EARTHWORKS (PIPE TRENCHES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
2.7.2			a) Asphalt of thickness up to 20mm in parking areas and sidewalks	m ²	90		
2.7.3			b) Asphalt of thickness exceeding 20mm up to 40mm in roadway	m ²	90		
2.7.4		PSDB8.3.8	i) Cut, remove and disposing of existing asphalt (unlimited freehaul)	m ³	9		
2.7.5		PSDB8.3.9	ii) Cut, remove and disposing of existing concrete (unlimited freehaul)	m ³	9		
2.7.6		PSDB8.3.10	Extra-over item 2.7.1 to 2.7.5 for excavate by hand in soft material with hand tools, as instructed by the Engineer	m ³	9		
2.7.7		PSDB8.3.11	Extra-over items 2.7.1 to 2.7.5 for stabilising backfill with cement (CEM II 32.5) and compaction to 93% MOD AASHTO	m ³	9		
2.8		8.3.12	Reinstate paving blocks, (where applicable) for driveways, walkways etc.				
2.8.1			a) Block paving (60mm)	m ²	50		
2.8.2			b) Interlocking block paving (80mm)	m ²	50		
		PSDB8.3.14	Extra over item 2.8.1 to 2.8.2 for supplying new paving blocks, to match existing, only where original paving blocks were broken (as instructed by Engineer)				
2.8.3			a) Block paving (60mm)	m ²	50		
2.8.4			b) Interlocking block paving (80mm)	m ²	50		
2.8.4.1			Saw cutting of existing slab, with breaking and disposal of concrete	m	50		
2.8.5		PSDB8.3.15	Reinstate concrete slab, with necessary jointing, up to 150mm thick, Concrete Class 25/19	m ²	50		
2.8.6		PSDB8.3.18(a)	Reinstate existing brick walls complete with brick-force as required	m ²	50		
2.8.7		PSDB8.3.18(b)	Reinstate existing Palisade fencing and support posts	m	50		
2.8.8		PSDB8.3.18(c)	Reinstate existing wire fencing	m	50		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
 CONTRACT NUMBER UGU-07-1734-2026
 SECTION: SCHEDULE 3: BEDDING (PIPES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SANS 1200LB	SCHEDULE 3: BEDDING (PIPES)				
3.1			BEDDING FOR SUBSURFACE DRAIN PIPES				
		8.2.1	Provision of Bedding from trench excavation within 0,5 km including screening				
3.1.1			Selected granular material	m³	18		
3.1.2			Selected fill material	m³	460		
		8.2.2.2	From borrow pits (Provisional)				
3.1.3			1) Selected granular material	m³	18		
3.1.4			2) Selected fill material	m³	153		
		PSLB 8.2.2	Supply only of bedding by importation:				
			From commercial sources:				
3.1.5			1) Selected granular material	m³	3 535		
3.1.6			2) Selected fill material	m³	921		
		PSLB 8.2.6	Drainage Layer				
3.1.7			a) Stone Filling	m³	48		
3.1.8			b) Dump rock	m³	240		
3.1.9			c) Geofabric filter material (Bidim Grade A4 or similar)	m²	1 640		
3.1.10	7.1.11	8.2.4	Encasing of pipes (all Diameters) in Concrete (20Mpa)	m³	55		
3.1.11	7.1.11	8.2.5	Overhaul of Material for Bedding Cradle and Selected Fill Blanket	m³.km	3 245		
TOTAL CARRIED FORWARD TO SUMMARY							

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CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 4: SEWERS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SANS1200 LD	SCHEDULE 4: SEWERS				
		8.2	SCHEDULED ITEM				
		8.2.1	Supply , Lay, Joint, Bed, backfill on flexible bedding Pipes Complete with couplings and Test pipeline				
4.1			a) Pipes: Class 34 Solid wall or 400kPa uPVC, SANS 791/1601/21138-1/21138-2/21138-3				
4.1.1			i) 110mm dia.	m	200		
4.1.2			ii) 160mm dia.	m	6 000		
4.1.3			iii) 200mm dia.	m	2 040		
4.1.4			iv) 250mm dia.	m	300		
4.1.5			v) 315mm dia.	m	450		
4.1.6			vi) 355 mm dia.	m	450		
4.2			b) Pipes: 75D Concrete pipes, SANS 791/1601/21138- 1/21138-2/21138-3				
4.2.1			i) 450mm dia.	m	200		
4.2.2			ii) 525mm dia.	m	110		
4.3			MANHOLES				
			Supply and Install Manholes complete with Channels, cover & frame for depths including excvaton over and up to:				
4.3.1			a) 0m to 2.0m	No	75		
4.3.2			b) 2.0m to 3.0m	No	81		
4.3.3			c) 3.0m to 4.0m	No	19		
4.3.4			d) 4.0m to 5.0m	No	9		
4.3.5			e) 5.0m to 6.0m	No	4		
TOTAL CARRIED FORWARD							

CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 4: SEWERS

			TOTAL CARRIED FORWARD TO SUMMARY
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SECTION: SCHEDULE 5: GABIONS AND PITCHING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SANS 1200 DK	SCHEDULE 5: GABIONS AND PITCHING				
5.1		8.2.1	Surface preparation for bedding of gabions				
5.1.1			a) Cavities filled with approved excavated material	m³	1500		
5.1.2			b) Cavities filled with grade 15 concrete	m³	100		
5.2		8.2.2	Gabions				
			Supply, place, fill with stones, lacing and bracing gabions boxes or mattresses, the rate should include the supply of stones:				
			(Double twist hexagonal wire mesh to SANS 1580:2005) Mesh Type 80 with 2,7/3,7mm Class A Galvanized and uPVC coated wire				
5.2.1			a) Gabion mattresses: 2m x 1m x 0.6m	m³	1950		
5.2.2			b) Gabion boxes: 1m x 1m x 1m	m³	812		
5.3		8.2.4	Supply and install Geotextile membrane:				
5.3.1			a) AG150 - Minimum Energy Absorption - 4,0kN/m	m²	4062		
5.4		8.2.5	Pitching				
5.4.1			a) Medium pitching - plain	m²	140		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 6: PIPE JACKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SABS 1200LG	SCHEDULE 6: PIPE JACKING				
6.1		8.2.1	Jacking establishment:				
6.1.1			Fixed charges	Sum	1		
6.1.2			Time-related charges for jacking operations up to 400m in length	Sum	1		
6.2		8.2.4	Excavation for jacking - excavate for pipes at jacking face, including removal and disposal of material within 0,5 km of working area in:				
6.2.1			a) Soft cohesive soil	m ³	38		
6.2.2			b) Non-cohesive soil	m ³	76		
6.2.3			c) Hard pickable soil	m ³	38		
6.2.4			d) Cobbles and boulders larger than 150 mm but not larger than 0,10 m ³	m ³	114		
6.2.5			e) Very hard material occurring in bulk requiring extraordinary techniques for breaking, or boulders larger than 0,01 m ³ , or both	m ³	610		
6.2.6			f) A mixture of two or more of (a) to (e) above	m ³	38		
6.2.7			Overhaul in excess of 0,5 km for disposal of surplus excavation	m ³ .km	7624		
6.3		8.2.2	Supply of 100D Concrete Jacking Pipe larger than installed pipe road crossings.				
6.3.1			i) for 110 mm diameter	m	1		
6.3.2			ii) for 160 mm diameter	m	1		
6.3.3			iii) for 200 mm diameter	m	1		
6.3.4			iv) for 250 mm diameter	m	1		
6.3.5			v) for 315 mm diameter	m	1		
6.3.6			vi) for 355 mm diameter	m	1		
6.3.7			vii) for 450 mm diameter	m	18		
6.3.8			viii) for 600 mm diameter	m	36		
6.3.9			ix) for 900 mm diameter	m	306		
TOTAL CARRIED FORWARD							

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SECTION: SCHEDULE 6: PIPE JACKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
6.4		8.2.3	Jacking of 100D Concrete Jacking Pipe into final position				
6.4.1			i) for 110 mm diameter	m	1		
6.4.2			ii) for 160 mm diameter	m	1		
6.4.3			iii) for 200 mm diameter	m	1		
6.4.4			iv) for 250 mm diameter	m	1		
6.4.5			v) for 315 mm diameter	m	1		
6.4.6			vi) for 355 mm diameter	m	1		
6.4.7			vii) for 450 mm diameter	m	18		
6.4.8			viii) for 600 mm diameter	m	36		
6.4.9			ix) for 900 mm diameter	m	306		
6.5		8.2.9	Stabilization of unstable areas where ordered:				
6.5.1			a) Provision and establishment of equipment on site, and removal on completion of operation	Sum	1		
6.5.2			b) Operation of equipment	day	40		
6.6		8.2.9	Grouting of voids where ordered:				
6.6.1			a) Provision and establishment of equipment on site, and removal on completion of operation	Sum	1		
6.6.2			b) Operation of equipment	day	40		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 7: SEWER HOUSEHOLD CONNECTIONS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE		AMOUNT	
7.1			SCHEDULE 7: SEWER HOUSEHOLD CONNECTIONS						
		SANS1200 DC	EARTHWORKS (Pipe Trenches)						
7.1.1	LI	8.2.1	Clear vegetation and grub	m²	76 538				
7.1.2	LI	8.2.2	Remove large trees and tree stumps of girth up to 1 m	No.	185				
7.1.3		8.2.10	Remove topsoil to a nominal depth of 150mm and stockpile	m²	76 538				
7.1.4		PSC 8.2.11	Take Down and Re-erect Fence	m	3 750				
7.1.5		PSC 8.2.12	Demarcation Staking	m	150				
7.1.6		PSC 8.2.13	Fencing of Pipeline Servitudes in populated areas	m	1				
7.1.7		PSC 8.2.14	Removal and Re-Erection of Structures	Prov Sum	1	R	3 000 000.00	R	3 000 000.00
7.1.8			(i) Overheads, charges and profit on item 2.1.7 above	%	3 000 000				
		SANS1200 DB	PIPE TRENCHES						
7.2			EXCAVATION						
		8.3.2(a)	Excavate in all materials for trenches, backfill, compact, and dispose of surplus/ unsuitable material, for up to 110 mm dia. pipes for total trench depth:						
7.2.1	LI		a) Exceeding 0,0 m but not exceeding 1,0 m	m	11 375				
7.2.2			b) Exceeding 1,0 m but not exceeding 2,0 m	m	3 250				
7.2.3			c) Exceeding 2,0 m but not exceeding 3,0 m	m	125				
TOTAL CARRIED FORWARD									

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 7: SEWER HOUSEHOLD CONNECTIONS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
7.3		8.3.2(b)	Extra-over items 2.2.1-2.2.27 included for:				
7.3.1			1) Intermediate excavation	m³	5 460		
7.3.2			2) Hard rock excavation by Hand (Pneumatic)	m³	8 190		
7.3.3			3) Hard rock excavation (Controlled Blasting)	m³	364		
7.3.4			4) Boulder excavation Class A	m³	455		
7.3.5			5) Boulder excavation Class B	m³	455		
7.3.6		8.3.2(c)	6) Excavate and dispose of unsuitable material from trench bottom (Provisional)	m³	910		
7.3.7			7) Hand excavation and backfill only where ordered by the Engineer	m³	1 000		
7.3.8			8) Backfill stabilised with 5% cement where directed by the Engineer	m³	165		
7.4		8.3.3	EXCAVATION ANCILLARIES				
		8.3.3.1	Make-up deficiency in backfill material				
7.4.1		8.3.3.1(a)	i) From other necessary excavations on site	m³	1 374		
7.4.2		8.3.3.1(a)	ii) From Borrow Pits	m³	9 619		
7.4.3		8.3.3.1(a)	iii) From Commercial Sources	m³	1 374		
7.4.4		8.3.3.3	ii) Compaction in road reserves to 90% Mod Aashto as instructed by Employer's Agent	m³	1 170		
7.5		8.3.4	Shoring of trenches				
7.5.1			Opposite existing pipe service where instructed by Employer's Agent in the following depth Categories)				
7.5.2			a) Exceeding 0,0m but not exceeding 2,0 m.	m	1 625		
7.5.3			b) Exceeding 2,0m but not exceeding 3,0 m.	m	813		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 7: SEWER HOUSEHOLD CONNECTIONS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
7.6		8.3.5	EXISTING SERVICES THAT INTERSECT OR AJJOIN A PIPE TRENCH				
		8.3.5(a)	Services that intersect a trench as listed by SANS				
7.6.1	LI		1) Electrical cable	No.	250		
7.6.2			2) Telecommunication cable	No.	250		
7.6.3			3) Sewer mains	No.	250		
7.6.4			4) Stormwater pipes	No.	250		
7.6.5			5) Water pipes	No.	250		
7.6.6			6) Gas pipes	No.	25		
7.6.7			7) Other	No.	20		
		8.3.5(b)	Services that adjoin a trenches listed by SANS				
7.6.8	LI		1) Electrical cable	m	900		
7.6.9	LI		2) Telecommunication cable	m	900		
7.6.10	LI		3) Sewer mains	m	900		
7.6.11	LI		4) Stormwater pipes	m	450		
7.6.12	LI		5) Water pipes	m	900		
7.6.13	LI		6) Gas pipes	m	50		
7.6.14	LI		7) Other	m	40		
7.7			FINISHING:				
7.7.1		8.3.6.1	Reinstate road surfaces complete with all courses.	m	1250		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 7: SEWER HOUSEHOLD CONNECTIONS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
7.7.2			a) Asphalt of thickness up to 20mm in parking areas and sidewalks	m²	75		
7.7.3			b) Asphalt of thickness exceeding 20mm up to 40mm in roadway	m²	90		
7.7.4		PSDB8.3.8	i) Cut, remove and disposing of existing asphalt (unlimited freehaul)	m³	12		
7.7.5		PSDB8.3.9	ii) Cut, remove and disposing of existing concrete (unlimited freehaul)	m³	6		
7.7.6		PSDB8.3.10	Extra-over item 2.7.1 to 2.7.5 for excavate by hand in soft material with hand tools, as instructed by the Engineer	m³	500		
7.7.7		PSDB8.3.11	Extra-over items 2.7.1 to 2.7.5 for stabilising backfill with cement (CEM II 32.5) and compaction to 93% MOD AASHTO	m³	500		
7.8		8.3.12	Reinstate paving blocks, (where applicable) for driveways, walkways etc.				
7.8.1			a) Block paving (60mm)	m²	600		
7.8.2			b) Interlocking block paving (80mm)	m²	600		
		PSDB8.3.14	Extra over item 2.8.1 to 2.8.2 for supplying new paving blocks, to match existing, only where original paving blocks were broken (as instructed by Engineer)				
7.8.3			a) Block paving (60mm)	m²	500		
7.8.4			b) Interlocking block paving (80mm)	m²	500		
7.8.4.1			Saw cutting of existing slab, with breaking and disposal of concrete	m	5000		
7.8.5		PSDB8.3.15	Reinstate concrete slab, with necessary jointing, up to 150mm thick, Concrete Class 25/19	m²	250		
7.8.6		PSDB8.3.18(a)	Reinstate existing brick walls complete with brick-force as required	m²	500		
7.8.7		PSDB8.3.18(b)	Reinstate existing Palisade fencing and support posts	m	500		
7.8.8		PSDB8.3.18(c)	Reinstate existing wire fencing	m	500		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 7: SEWER HOUSEHOLD CONNECTIONS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		SANS 1200LB	BEDDING (PIPES)				
7.9			BEDDING FOR SUBSURFACE DRAIN PIPES				
		8.2.1	Provision of Bedding from trench excavation within 0,5 km including screening				
7.9.1			Selected granular material	m³	458		
7.9.2			Selected fill material	m³	692		
		8.2.2.2	From borrow pits (Provisional)				
7.9.3			1) Selected granular material	m³	686		
7.9.4			2) Selected fill material	m³	231		
		PSLB 8.2.2	Supply only of bedding by importation:				
			From commercial sources:				
7.9.5			1) Selected granular material	m³	3 432		
7.9.6			2) Selected fill material	m³	1 385		
		PSLB 8.2.6	Drainage Layer				
7.9.7			a) Stone Filling	m³	21		
7.9.8			b) Dump rock	m³	1		
7.9.9			c) Geofabric filter material (Bidim Grade A4 or similar)	m²	205		
7.9.10	7.1.11	8.2.4	Encasing of pipes (all Diameters) in Concrete (20Mpa)	m³	25		
7.9.11	7.1.11	8.2.5	Overhaul of Material for Bedding Cradle and Selected Fill Blanket	m³.km	10 500		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 7: SEWER HOUSEHOLD CONNECTIONS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
7.10		SANS1200 LD	SEWERS				
		8.2	SCHEDULED ITEM				
		8.2.1	Supply , Lay, Joint, Bed, backfill on flexible bedding Pipes Complete with couplings and Test pipeline				
			a) Pipes: Class 34 Solid wall or 400kPa uPVC, SANS 791/1601/21138-1/21138-2/21138-3				
7.10.1			i) 110mm dia.	m	16 250		
		8.2.6	ERF CONNECTIONS				
			Supply, bed, lay, joint, and test new property connection including all fittings related to the erf connections:				
7.10.2			a) 110mm dia. uPVC Class 34 Solid wall(10m)	No	250		
7.10.3		8.2.7	Encasing of pipes in concrete (20Mpa concrete)	m³	100		
		8.2.8	Anchor blocks				
7.10.4		PSL 8	Provide concrete anchor blocks of any size	m³	100		
7.10.5		8.2.10	Permanent Plug Stoppers	No	100		
		8.2.6	Erf Connections Direct as per Dwg. No.				
7.10.6			Inspection Eyes	No.	250		
7.10.7			Inspection Chambers	No.	120		
7.10.8			a) Connecting Sewer: Direct Connection	No.	50		
7.10.9			b) Connecting Sewer: Sloping Connection 1m	No.	50		
7.10.10			c) Connecting Sewer: Sloping Connection 2m	No.	25		
7.10.11			d) Connecting Sewer: Sloping Connection 3m	No.	25		
7.10.12			e) Connecting Sewer: Sloping Connection 4m	No.	25		
7.10.13			f) Connecting Sewer: Sloping Connection 5m	No.	25		
7.10.14			g) Connecting Sewer: Sloping Connection 6m	No.	25		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 8: AREATION BASIN

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 8: AREATION BASIN				
8.1			General and Concrete repairs on existing tank				
8.1.1			Remove all existing handrail baseplates and bolts from concrete	No	12		
8.1.2			Expose concrete surface by sandblasting or cleaning with high pressure water jet	m2	2032		
8.1.3			Level corroded concrete floor /wall area with Pro-Struct 513 levelling mortar or Sika equivalent	m2	2032		
8.1.4			Desludging of tank. Removal using Honey sucker or pump. Including safe disposal	m3	2842		
8.1.5			Removal of heavy grit/sediment from tank	m3	1894		
8.1.6			Sum for complete removal of areation pipework	Sum	1		
8.1.7			Construct stainless steel canopy over existing areation pipes	m	94		
8.1.8			Mentis handrail, ball type MT 90 complete installed. Stainless steel 316L SS SCH 10	m	110		
8.1.9			Grid floor, bearer 25 x 4.5 mm light duty, 450 mm wide, galvanized & banded over canals	m2	10		
8.1.10			Mentis stair threads, 900 x 245 mm, 6 per stair	No	2		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 8: AREATION BASIN

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		8.2.5	PIPE FITTINGS Steel				
			Copon coated = Cc; Galvanised = gs; oef=one end flanged; bef = both ends flanged; pf=puddle flange pipework 316L SS, class Sch 10. Flanges SABS 1123 table 1000/3				
8.2			a) 90°				
8.2.1			200 mm dia bef	No	6		
8.3			TEE PIECE (Flanged 1000/3)				
8.3.1			a) 200mm x 200mm	No	2		
8.3.2			a) 500mm x 500mm	No	2		
8.4			200 mm dia (mm)				
8.4.1			a) L=3000, bef	No	12		
8.4.2			b) L=295, bef	No	8		
8.4.3			c) L = 6000 bef	No	12		
8.5			500 mm dia (mm)				
8.5.1			a) L=5000, oef	No	4		
8.5.2			b) L=1000, oef	No	2		
8.6			150 mm dia (mm)				
8.6.1			a) L=1000, oef	No	2		
			75mm uPVC class 9 with holes drilled for aeartor dome installation	m	720		
8.7			200 mm Ø NB, Supply and install fittings below including all fixures				
8.7.1			a) RSV Gate valve class 10	No	6		
8.7.2			b) Flange adapter VJ or Simlair	No	6		
8.7.3			Supply and install 8m long stem and spindle valve wheel	No	6		
8.7.4			Supply and install Stainless steel ladder and protective cage H=8m	No	2		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 8: AREATION BASIN

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
8.8			250 mm dia (mm)				
8.8.1			a) L=3000, bef	No	12		
8.8.2			b) L=295, bef	No	8		
8.8.3			c) L = 6000 bef	No	8		
8.9			Supply and install disc fine bubble diffuser with high grade EPDM membrane with integrated backflow preventer, support dish and halter or screw on ring with air inlet threaded (female). Airflow rate ± 3 m³/h to 5 m³/h with daily peak flow = 4.5 m³/h	No	660		
8.10			Supply & install pipe saddle (clamp/bolted) with socket sealing ring agianst header pipe (EPDM rubber or PVC)	no	660		
8.11			Drill airhole into pipe with patented method not to drop drilling material into pipe	no	660		
8.12			Drill airhole into pipe with patented method not to drop drilling material into pipe	no	660		
8.13			Test and commission	sum	1		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 9: UPPER INLET

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 9: UPPER INLET				
9.1			General and Concrete repairs on existing inlet canal				
9.1.1			Remove all existing handrail baseplates and bolts from concrete	No	24		
9.1.2			Expose concrete surface by sandblasting or cleaning with high pressure water jet	m2	430		
9.1.3			Level corroded concrete floor /wall area with Pro-Struct 513 levelling mortar or Sika equivalent	m2	430		
9.1.4			Desludging of tank. Removal using Honey sucker or pump. Including safe disposal	m3	135		
9.1.5			Mentis handrail, ball type MT 90 complete installed. Stainless steel 316L SS SCH 10	m	90		
9.1.6			Grid floor, bearer 25 x 4.5 mm light duty, 450 mm wide, galvanized & banded over canals	m2	30		
9.1.7			Mentis stair threads, 900 x 245 mm, 6 per stair	No	2		
9.1.8			Supply, deliver, install, and commission a , wall-mounted Rising Spindle Sluice Gate (Penstock) suitable for wastewater treatment applications. Including frame and other fixtures. W=600mm, H=1500mm. Gate height= 800mm(including freeboard)	No	12		
9.1.9			Demolish existing rising mainhole and dispose of all material	No	2		
TOTAL CARRIED FORWARD							

CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 9: UPPER INLET

TOTAL CARRIED FORWARD

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 9: UPPER INLET

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
9.6			Mechanical equipment				
9.6.1			600 mm Wide SS 304L drip tray for screenings	no	1		
9.6.2			410 mm x 600 mm 304L SS U-frame and 400 mm x 600 mm 304L SS handstop with handle to replace existing	no	4		
9.7			Flow measuring equipment				
9.7.1			a) Open canal Ultrasonic liquid level detector & 304L SS frame for mounting over the canal	no	1		
9.7.2			b) Flow meter transmitter with data logger with connection to MCC & PC in Admin control room	no	1		
9.7.3			c) 304L SS canopy mounted on top of frame over Ultrasonic liquid level detector	no	1		
9.7.4			Electric motor driven mechanical screen complete with frame, cover plates, chain, sprockets, shute etc. - 304L SS	no	1		
9.7.5			Electrical motor driven centreless screw conveyor with U-canal, cover plates & washwater spray bar - 304 L SS	no	1		
9.7.6			3CR12 - A-frame conveyor support carriers	no	2		
9.7.7			Electrical motor driven screenings screw compactor, venturi, U-canal, cover plates, washwater spray bar & outlet shute - 304 L SS	no	1		
9.7.8			300 ℓ Trolley bin for screenings - 3CR12	no	1		
9.7.9			Sluice gate mm Ø Gate valve with electrical actuator	No	5		
TOTAL CARRIED FORWARD TO SUMMARY							

SECTION: SCHEDULE 10: LOWER INLET

TOTAL CARRIED FORWARD TO SUMMARY

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 11: MEDIUM PRESSURE PIPELINES

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SABS 1200 L	SCHEDULE 11: MEDIUM PRESSURE PIPELINES				
11.1			Supply, handle, lay and bed and test uPVC pipes to SABS 966-1, on class C bedding and test				
11.1.1			a) 160 mm dia class 16	m	835		
11.1.2			b) 200 mm dia class 16	m	250		
11.1.3			c) 250 mm dia class 16	m	120		
11.1.4			d) 315 mm dia class 16	m	80		
			PIPE FITTINGS uPVC				
			Extra over 5.1 & 5.2 for supplying, laying and bedding of fittings and couplings complete				
11.2			uPVC Class 16 bends				
11.2.1			a)(i) 160 mm dia x 90°	No	6		
11.2.2			a)(ii) 160 mm dia x 45°	No	6		
11.2.3			a)(iii) 160 mm dia x 22½°	No	6		
11.2.4			a)(iv) 160 mm dia x 11¼°	No	6		
11.2.5			b)(i) 200 mm dia x 90°	No	6		
11.2.6			b)(ii) 200 mm dia x 45°	No	6		
11.2.7			b)(iii) 200 mm dia x 22½°	No	6		
11.2.8			b)(iv) 200 mm dia x 11¼°	No	6		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 11: MEDIUM PRESSURE PIPELINES

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
11.2.9			c)(i) 250 mm dia x 90°	No	6		
11.2.10			c)(ii) 250 mm dia x 45°	No	6		
11.2.11			c)(iii) 250 mm dia x 22½°	No	6		
11.2.12			c)(iv) 250 mm dia x 11¼°	No	6		
11.2.13			d)(i) 315 mm dia x 90°	No	6		
11.2.14			d)(ii) 315 mm dia x 45°	No	6		
11.2.15			d)(iii) 315 mm dia x 22½°	No	6		
11.2.16			d)(iv) 315 mm dia x 11¼°	No	6		
			PIPE FITTINGS CI				
11.3			CI TEES to fit uPVC				
11.3.1			150 x 150 mm (DL 04)	No	4		
11.4			FLANGE ADAPTORS TO uPVC PIPES				
11.4.1			160 mm dia	No	6		
11.5			Supply and Install Manholes complete with Channels, cover & frame for depths including excvaton over and up to:				
11.5.1			i) 0m to 2.0m	No	10		
11.5.2			ii) 2.0m to 3.0m	No	3		
TOTAL CARRIED FORWARD TO SUMMARY							

SECTION: SCHEDULE 12: EARTHWORKS (PIPE TRENCHES)

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 12: EARTHWORKS (PIPE TRENCHES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		8.3.1 (c)	Extra-over items 12.2.1 to 12.2.4 included for:				
12.2.5			a) Intermediate excavation	m³	541		
12.2.6			b) Hard rock excavation	m³	271		
12.2.7			c) Boulder excavation Class A	m³	90		
12.2.8			d) Boulder excavation Class B	m³	90		
12.2.9		8.3.1.1	Excavate and dispose of unsuitable material from trench bottom (Provisional)	m³	135		
12.2.10			Hand excavation and backfill only where ordered by the Engineer	m³	10		
12.2.11			Backfill stabilised with 5% cement where directed by the Engineer	m³	35		
12.3		PS DB 8.3.3	EXCAVATION ANCILLARIES				
		PS DB 8.3.3.1	Make-up deficiency in backfill material				
12.3.1		8.3.3.1(a)	From other necessary excavations on site	m³	1 020		
12.3.2		8.3.3.3	Compaction in road reserves to 90% Mod Aashto as instructed by Employer's Agent	m³	50		
		8.3.4	Shoring of trenches				
12.3.3			Opposite existing pipe service where instructed by Employer's Agent in the following depth categories:				
12.3.4			a) Exceeding 0,0m but not exceeding 2,0 m.	m	55		
TOTAL CARRIED FORWARD TO SUMMARY							

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CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 13: BEDDING (PIPES)

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SANS 1200LB	SCHEDULE 13: BEDDING (PIPES)				
			BEDDING FOR SUBSURFACE DRAIN PIPES				
13.1		8.2.1	Provision of Bedding from trench excavation within 0,5 km including screening				
13.1.1	LI		Selected granular material	m³	17		
13.1.2	LI		Selected fill material	m³	18		
13.2		8.2.2.2	From borrow pits (Provisional)				
13.2.1			a) Selected granular material	m³	49		
13.2.2			b) Selected fill material	m³	13		
		PSLB 8.2.2	Supply only of bedding by importation:				
13.3			From commercial sources:				
13.3.1			Selected granular material complying with SANS 1083	m³	29		
13.3.2			Selected fill material	m³	8		
		PSLB 8.2.6	Drainage Layer				
13.3.3			a) Stone Filling	m³	10		
13.3.4			b) Dump rock	m³	15		
13.3.5			c) Geofabric filter material (Bidim Grade A4 or similar)	m²	150		
13.3.6	7.1.11	8.2.4	Encasing of pipes (all Diameters) in Concrete (20Mpa)	m³	5		
13.3.7	7.1.11	8.2.5	Overhaul of Material for Bedding Cradle and Selected Fill Blanket	m³.km	350		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
 CONTRACT NUMBER: UGU-07-1734-2026
 SECTION: SCHEDULE 14: SECONDARY SEDIMENTATION TANKS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 14: SECONDARY SEDIMENTATION TANKS				
		SANS 1200D	EARTHWORKS				
14.1			BULK EXCAVATION				
		8.3.2	Excavate in all material and transport to crusher or spoil. Contractor to crush & grade rock material at crusher site for re-use				
14.1.1			1) To form terraces	m³	730		
14.1.2			2) For structures below terrace level	m³	1365		
14.2			Restricted excavation				
14.2.1			1) For foundations	m³	2210		
14.2.2			2) For pipes coming from under structures, up to 3 m deep and 1 m wide	m³	200		
14.2.3			3) For outlet canal	m³	350		
14.2.4			4) For column footings	m³	300		
14.3			Extra over for excavating in:				
14.3.1			Intermediate material	m³	1377		
14.3.2			Hard material using chemical rock breaking or pecker to prevent damage to existing structures	m³	1071		
14.3.3			Hard material using controlled blasting	m³	918		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 14: SECONDARY SEDIMENTATION TANKS

TOTAL BROUGHT FORWARD							
14.4			Import material for backfilling in over break areas				
14.4.1			Import G5 material for backfill	m³	1330		
14.4.2			Backfill & compact in layers with G5 material	m³	780		
14.4.3			Mix G5 material with 5% cement and backfill & compact in layers	m³	335		
14.4.4			Cement for soilcrete where indicated by employers agent	t	56		
14.5			Import material for foundation bedding layers				
14.5.1			75mm No-fines concrete layer beneath tank floor panels (including placing and compaction)	m³	38		
14.5.2			500mm Upper stabilized G7 sub-base layer compacted to 95% MOD AASHTO	m³	250		
14.5.3			500mm Lower stabilized G7 sub-base layer compacted to 93% MOD AASHTO	m³	250		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
 CONTRACT NUMBER: UGU-07-1734-2026
 SECTION: SCHEDULE 14: SECONDARY SEDIMENTATION TANKS

TOTAL BROUGHT FORWARD							
		SANS 1200DB	EARTHWORKS (Pipe trenches)				
		SANS 1200 DB	EXCAVATION PIPE TRENCHES (Pipes connecting units)				
		PSDB 8.3.2 (a)	Excavate in all materials for trenches, backfill, compact and dispose of surplus or unsuitable material				
14.6			0.9 m Deep for 110 & 160 mm Ø sleeve pipes to the following trench widths				
14.6.1			1) 600 mm	m	200		
14.6.2			2) 900 mm	m	100		
14.7			For 300 mm PVC pipes, 900 mm trench width to the following depths				
14.7.1			1) 1.0 to 1.5 m	m	200		
14.7.2			Z - lock concrete stormwater pipes				
14.7.3			450 mm Ø pipes - trench 1000 mm wide				
14.7.4			1) 1 to 2 m deep	m	200		
14.7.5			2) >2 to 3 m deep	m	100		
14.7.6			600 mm Ø pipes - trench 1200 mm wide				
14.7.7			1) 1 to 2 m deep	m	200		
14.7.8			2) >2 to 3 m deep	m	45		
14.8.1			Preparation of ground surfaces (fine grading and stone removal), supply and application of a hydroseed slurry comprising an approved indigenous seed mix, wood fiber mulch, fertilizer, and tackifier by specialized mechanical means, including all watering, weeding, and maintenance until 80% vegetation cover is established.	m2	600		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 15: CONCRETE STRUCTURAL

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SANS 1200G	SCHEDULE 15: CONCRETE STRUCTURAL				
15.1			Rough formwork Vertical				
15.1.1			a) Side of foundations outside 400 mm wide	m²	143		
15.1.2			b) Walls	m²	835		
		8.2.5	Rough formwork to narrow widths ≤ 300 mm				
15.1.3			a) Edges, risers, walkways & walls	m²	18		
15.2		8.2.2	Smooth formwork				
			a) Horizontal				
15.2.1			1) Walkway slabs, slabs & landings	m²	221		
15.2.2			2) Beam above weir openings	m²	3.6		
15.2.3			3) Inlet canals in tanks	m²	19		
15.2.4			4) Down pipe boxes	m²	2		
15.2.5			5) Concrete Pier	m²	43		
		8.2.2	b) Vertical				
15.2.6			1) Walls	m²	612		
15.2.7			2) Inside & outside of canals (wider than 300 mm)	m²	177		
15.2.8			3) Inside & outside of down pipe boxes	m²	0		
15.2.9			4) Inside & outside of inlet boxes	m²	39		
15.2.10			5) Columns	m²	115		
15.2.11			6) Concrete Pier	m²	52		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

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SECTION: SCHEDULE 15: CONCRETE STRUCTURAL

TOTAL BROUGHT FORWARD							
		8.2.2	c) Sloping				
15.2.12			1) Stairs	m²	23		
15.2.13			2) Internal face of sludge cone	m²	23		
		8.2.5	Smooth formwork to narrow widths (≤ 300 mm)				
15.2.14			1) Edges, risers, etc. not > 300 mm	m²	2		
15.2.15			2) Edges of walkways 150 mm wide	m²	37		
15.2.16			3) Side of stairs	m²	2.6		
15.2.17			4) 150 x 150 mm x 750 mm long mm chamfers at overflow weirs	no	160		
			d) Smooth formwork to rebates & chamfers				
15.2.18			1) 30 x 30 mm chamfers	m	149		
		8.2.6	Boxed out holes up to 300 mm deep (inside recess for key bonding)				
15.2.19			1) Square, up to 0.5 m² area	no	2		
15.2.20			2) Square, up to 1.0 m² area	no	2		
15.3		8.3	REINFORCEMENT				
		8.3.1	Steel bars				
			a) Mild steel				
15.3.1			All diameters	t	18.5		
			b) High tensile steel bars				
15.3.2			All diameters	t	111		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

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SECTION: SCHEDULE 15: CONCRETE STRUCTURAL

TOTAL BROUGHT FORWARD							
15.4		8.4	STRENGTH CONCRETE				
		8.4.2	a) 15/19 Mpa				
15.4.1			1) In blinding layer, 75 mm thick	m³	88		
15.4.2			2) In encasing of pipes under structures	m³	145		
15.4.3			3) In filling of over break in rock under structures	m³	110		
		8.4.3	b) 20/13 Mpa				
15.4.4			1) Benching 800 mm to 50 mm - steel float	m³	4.8		
15.4.5			2) Benching 250 mm to 50 mm - steel float	m³	16		
15.4.6			3) Benching 500 mm to 200 mm - steel float	m³	4.8		
		8.4.3	c) 35/19 Mpa				
15.4.7			1) In foundations	m³	232		
15.4.8			2) In floor slabs	m³	122		
15.4.9			3) In walls	m³	374		
15.4.10			4) In inlet boxes & canals	m³	39		
15.4.11			5) In walkways	m³	17.2		
15.4.12			6) In stairs	m³	5		
15.4.13			7) In inclined at sludge cones	m³	11		
15.4.14			8) In sludge draw off box	m³	8		
15.4.15			9) In sludge cone	m³	180		
15.4.16			10) In weirs	m³	52		
15.4.17			11) In concrete pads	m³	18		
15.4.18			12) In central concrete pier	m³	87		
15.4.19			13) In columns	m³	16		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

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SECTION: SCHEDULE 15: CONCRETE STRUCTURAL

TOTAL BROUGHT FORWARD							
		8.4.4	d) Cement-Sand Screed				
15.4.20			50mm thick cement-sand screed to tank floors	m ²	744		
15.5			SURFACE FINISHES				
		8.4.4	Unformed surface finish				
			a) Wood float				
15.5.1			1) Walkways	m ²	188		
15.5.2			2) Stair landings	m ²	18		
15.5.3			3) Floors	m ²	743		
		8.4.4	b) Steel float finish				
15.5.4			1) Screed	m ²	743		
15.5.5			2) Top of walls	m ²	81		
15.5.6			3) Canal bottom & benching	m ²	11		
15.5.7			4) Overflow Weir Benching	m ²	121		
15.5.8			5) Top of concrete pads	m ²	92		
15.6			GROUTING IN OF PIPES (With non shrink grout to form a watertight joint with applied bedding grout)				
			a) 300 mm wall				
15.6.1			1) 650 x 650 mm for 500 Ø pipe with puddle flange	no	12		
15.6.2			2) Supply and cast in 150mm clay pipe at scum draw off box	m	40		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

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SECTION: SCHEDULE 15: CONCRETE STRUCTURAL

TOTAL BROUGHT FORWARD							
15.7			CASTING IN OF PIPE SECTIONS				
15.7.1			1) 500 Ø At Sludge Draw Off Box	no	2		
15.7.2			2) 100 Ø Drainage Pipes under Floor Panels	no	2		
15.7.3			3) 150 Ø At inlet box	no	2		
15.7.4			4) Supply and cast in 50mm uPVC drainage pipes in concrete pads beneath tank floor	m	140		
15.7.5			5) Supply and cast in 150mm vitro external drain pipe with hep sleeves	m	40		
15.8			CASTING IN OF U-PROFILE WEIR & HANDSTOP FRAMES IN RECTANGULAR OPENINGS				
15.8.1			1) 500 mm wide x 800 mm deep	no	2		
15.8.2			2) 500 mm wide x 550 mm deep	no	4		
15.8.3			3) 700 mm wide x 750 mm deep	no	10		
15.9			FORMING PERMANENT VOIDS IN WALLS & FLOORS				
			a) 200 mm thick concrete				
15.9.1			1) 75 mm Ø in wall (uPVC pipe shuttering)	no	32		
15.9.2			2) 100 x 100 mm in wall	no	108		
15.9.3			3) 350 x 350 mm in bottom of inlet canals	no	16		
			b) 300 mm thick concrete				
15.9.4			1) 750 mm wide x 150 mm deep at overflow weir	no	48		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 15: CONCRETE STRUCTURAL

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CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 16: SST STRUCTURAL STEELWORK

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SANS 1200 HA	SCHEDULE 16: SST STRUCTURAL STEELWORK				
16.1		PSHA-5.2.10	Supply and deliver to site tubular handrails with type B90 stanchions with anchor bolts & nuts (stanchion spacing=1.8 m), hot dipped galvanized to SANS 763	m	80		
16.1.1			90° Corners (2 pipes each)	no	28		
16.1.2			Closures	no	16		
16.1.3			Self closing half gate	no	8		
16.1.4			Install complete handrail on site including drilling and grouting in of anchor bolts (± 110 stanchions)	m	80		
16.1.5			Priming all rails & stanchions with a "Galvo Grip" primer	m²	118		
16.1.6			Painting all rails with 2 coats of Plascon enamel (yellow) paint	m²	90		
16.1.7			Painting all stanchions with 2 coats of Plascon enamel (black) paint	m²	28		
16.1.8			Supply & install stainless steel railings, complete with cage and anchor bolts (± 3.5 m long) to Drawing 14-100(A)-DTL-004	no	8		
16.2			HANDSTOPS, WEIRS, V-NOTCH & REGTANGULAR WEIRS AND BUILT IN FRAMES				
16.2.1			Supply and install type A Stainless steel weir plate -	no	108		
16.2.2			Supply and install type B stainless steel weir plate -	no	108		
16.2.3			Supply & built in stainless steel U channel frame	no	4		
16.2.4			Supply and slide in type A aluminium U plate weir	no	4		
16.2.5			Supply and install stainless steel U channel for handstops	no	4		
16.2.6			Supply and install aluminium handstops	no	4		
16.2.7			Supply and build in galvanized mild steel step irons in tank wall, spaced at 300 mm centres.	no	20		
16.3			VALVES AND HYDRAULIC FITTINGS				
16.3.1			Supply and install 300mm diameter circular relief flap in floor panels	no	8		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

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SECTION: SCHEDULE 16: SST STRUCTURAL STEELWORK

TOTAL BROUGHT FORWARD							
16.4			EQUIPMENT at SEDIMENTATION TANKS				
16.4.1			Complete rotating half bridge with walkway, vertical tubes for scraper blades, scraper blades with rubber scraping blade edge, scum plate etc. (304L SS)	no	2		
16.4.2			Centre support mounting with bearing (304L SS)	no	2		
16.4.3			Electrical drive motor assembly with gearbox & drive wheel	no	2		
16.4.4			Centre stilling chamber with support mountings & bottom support (304L SS)	no	2		
16.4.5			Scum draw off collection bin with lever trigger arm for valve opening. Valve build into bin with pipe outlet to the bottom & through side wall of tank below lauder (304L SS)	no	2		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 17: SST MEDIUM PRESSURE PIPE LINES

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SANS 1200 L	SCHEDULE 17: SST MEDIUM PRESSURE PIPE LINES				
		8.2.1	Steel pipes to SANS 719, Grade B, t = 4.5 mm, epoxy coated inside & outside, outside also wrapped with bitumen fibre glass coating				
			BEF = both ends flanged				
			OEF = one end flanged				
			PF = puddle flange				
			PE = plain ended				
17.1			a) Pipes & pipe specials, Flanges 1000/3 SANS 1123				
			• 500 mm NB				
17.1.1			PS-R13: L = 6000 mm OEF	no	2		
17.1.2			PS-R14: L = 600 mm OEF, PF 150 mm from PE	no	7		
17.2			Stainless steel pipes & fittings, ASTM A312, PSW_304L, wall thickness t, to Sch10S (100 mm Ø, t = 3.05 mm, 150 mm Ø, t = 3.4 mm etc)				
			for abbreviations - see top C				
			• 150 mm NB				
17.2.1			PS3.1, PS4.15: 45° Elbow, long radius, welded to 2565 mm pipe, OEF, & 300 mm pipe, PF 185 mm from PE	no	2		
17.2.2			PS3.2, PS4.16: 45° Elbow, long radius, OEF, welded to 2500 mm pipe, OEF	no	4		
17.2.3			PS3.3, PS3.3A, PS4.17, PS4.17A: L = 4515 BEF	no	8		
17.2.4			PS3.10, PS3.11, PS4.6, PS4.7: 45° Elbow, long radius welded to 665 mm pipe, OEF, & 300 mm pipe, PF 185 mm from PE	no	8		
17.2.5			PS3.12, PS4.8: Y junction 150 x 200 mm	no	4		
17.2.6			PS5.6: 90° Elbow (short radius) OEF welded to pipe L = 1800 mm with PF 100 mm from PE	no	2		
17.2.7			PS5.7: L = 1465 BEF	no	2		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 17: SST MEDIUM PRESSURE PIPE LINES

TOTAL BROUGHT FORWARD						
			• 300 mm NB			
17.2.8			PS3.13, PS4.9: 300 x 200 mm Concentric reducer, 200 EF, welded to L = 6710 mm pipe, OEF	no	2	
17.3			Scum Drying beds -HDPE LINER			
17.3.1			1.5 mm HDPE liner in sludge drying beds	m²	190	
17.3.2			Welding of joints for HDPE liner	m	32	
17.3.3			13 mm Washed concrete stone (drying beds)	m³	38	
17.3.4			6.7 mm Washed concrete stone (drying beds)	m³	19	
17.3.5			Fine sand (0.5 mm) (drying beds)	m³	57	
17.3.6			Coarse sand (1.6 mm) (drying beds)	m³	28	
17.4			PRECAST ELEMENTS			
17.4.1			750 mm dia Plumber shaft MH section rings 250 mm	No	8	
17.4.2			1m dia Concrete manhole sections for draught tubes	m	8	
17.5			Sludge outlet pipe work tank - SS 304L Sch 40, flanges SABS 1123 Table 1000/3			
17.5.1			a) S0 1 - Pipe L = 1200, OEF, PF 150 mm FPE	No	2	
17.5.2			b) S0 2 - Pipe L = 5000, BEF	No	2	
17.5.3			c) S0 3 - 88° Bend BEF	No	2	
17.5.4			d) S0 4 - Pipe L = 2700, BEF	No	2	
17.5.5			e) S0 5 - Equal T AEF	No	2	
17.5.6			f) S0 6 - 150 mm x 50 mm reducer BEF	No	2	
17.5.7			g) S0 7 - Pipe L = 500, OEF, with PF 125 mm FPE	No	2	
17.5.8			50 mm Ø NB			
17.5.9			S0 8 - Pipe L = 1300, OEF	No	2	
17.5.10			Sum for pipework at maturation canal	Prov Sum	1	R 100 000.00
17.5.11			Allowance on above item 17.5.10	%	100000	
TOTAL CARRIED FORWARD TO SUMMARY						

SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

TOTAL CARRIED FORWARD

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		C3.1	DRAINS				
		C3.1.1	Excavation for open drains:				
18.3		C3.1.1.1	Excavating all material situated within the following depth ranges below the surface level using conventional methods:				
18.3.1			(a) 0 m to 1,5 m	m³	100		
18.3.2		C3.1.1.2	Extra over sub-item C3.1.1.1 for excavation in hard and boulder material, irrespective of depth	m³	10		
18.4		C3.1.4	Excavation and disposal of material for subsoil drainage systems:				
		C3.1.4.1	Excavating in all material situated within the following depth ranges below the surface:				
18.4.1			(a) 1,5 m to 2,0 m	m³	15		
18.4.2		C3.1.4.4	Extra over sub-item C3.1.4.1 for excavation in hard and boulder material, irrespective of depth	m³	5		
18.5		C3.1.5	Impermeable backfilling to subsoil drainage systems				
18.5.1		C3.1.5.2	G5 material obtained from commercial sources	m³	10		
18.5.2		C3.1.5.3	Extra over items C3.1.5.2 for stabilisation with 4,0 % CEM II (32,5) cement	m³	10		
18.6		C3.1.7	Natural permeable material in subsoil drainage systems (approved crushed stone):				
18.6.1		C3.1.7.2	Crushed stone obtained from commercial sources (13,5mm)	m³	14		
		C3.1.8	Natural permeable material in subsoil drainage systems (approved natural sand):				
18.6.2		C3.1.8.2	Natural sand from commercial sources	m³	25		
18.7		C3.1.9	Pipes in subsoil drainage systems:				
18.7.1		C3.1.9.1	U-PVC pipes and fittings, normal duty, complete with couplings (100mm dia. slotted)	m	50		
18.7.2		C3.1.10	Geotextiles (Type Kaytech U14 or similar approved)	m²	130		
18.7.3		C3.1.11	Repairing or replacing existing drainage systems	Prov Sum	1	R 15 000.00	R 15 000.00
18.7.4		C3.1.11.1	Handling cost, profit and all other charges in respect of item C3.1.15	%	15000		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
18.8		C3.2	CULVERTS				
		C3.2.1	Excavation for culvert structures:				
		C3.2.1.1	Excavating in all material situated within the following depth ranges below the surface level:				
18.8.1			(a) 0 m to 1,5 m	m³	10		
18.8.2			(b) Exceeding 1,5 m and up to 3,0 m	m³	120		
18.8.3		C3.2.1.4	Extra over sub-item C3.2.1.1 for excavation in hard or boulder material, irrespective of depth	m³	20		
18.9		C3.2.2	Backfilling:				
18.9.1		C3.2.2.1	Using the excavated material	m³	70		
		C3.2.2.2	Using imported selected material:				
18.9.2			(a) From sources on site (G7 or Better)	m³	50		
18.9.3			(b) From commercial sources (G5)	m³	50		
		C3.2.3	Concrete pipe culverts:				
18.9.4		C3.2.3.3	(i) On Class C bedding (300mm Dia, Spigot and Socket, 75D)	m	1		
18.9.5			(ii) On Class C bedding (600mm Dia, Spigot and Socket, 75D)	m	100		
18.9.6			(iii) On Class C bedding (750mm Dia, Spigot and Socket, 75D)	m	0		
18.9.7			(iv) On Class C bedding (900mm Dia, Spigot and Socket, 75D)	m	1		
18.9.8		C3.2.4	(v) Prefabricated concrete inlets and outlets to culverts(0-2M)	No	0		
18.9.9			(vi) Prefabricated concrete inlets and outlets to culverts	No	12		
18.9.10			(vii) Prefabricated concrete inlets and outlets to culverts	No	15		
18.9.11			(viii) Prefabricated concrete inlets and outlets to culverts	No	8		
		C3.2.5	Dog Bone Channel				
18.9.12		C3.2.5.1	Supply and install precast Dog Bone channel 600 x 400, inclusive of Dog Bone covers.	m	5		
TOTAL CARRIED FORWARD							

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SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		C3.3	CONCRETE KERBING AND CHANNELING, ASPHALT BERMS, CHUTES, DOWNPIPES, AS WELL AS CONCRETE, STONE PITCHED AND GABION LININGS FOR OPEN DRAINS				
18.10		C3.3.1	Concrete kerbing:				
		C3.3.1.1	Prefabricated kerbing (Fig 6 mountable kerbs only)				
18.10.1			(a) Fig 6 barrier kerbs only	m	1100		
		C3.3.2	Concrete kerbing-channeling combination:				
		C3.3.2.1	Prefabricated kerbing-channeling (Fig 6 mountable kerb with 300mm concrete channel as per drawing)				
18.10.2			(a) Fig 6 barrier kerb with 300mm concrete channel as per drawing	m	0		
		C3.3.3	Extra over items C3.3.1 and C3.3.2 for concrete kerbing or concrete kerbing and channeling on curves				
18.10.3		C3.3.3.1	On curves of radii more than or equal to 5,0 m but less than 20 m	m	100		
18.10.4		C3.3.3.2	On curves of radii more than or equal to 1,0 m but less than 5,0 m	m	100		
18.10.5		C3.3.8	Linings for open drains				
18.10.6		C3.3.8.1	Cast in situ concrete lining (25Mpa Concrete V-Drain)	m³	708		
18.10.7		C3.3.15	Energy dissipaters in outlet structures				
18.10.8		C3.3.15.1	Precast concrete blocks in outlet structures	No	8		
18.10.9		C3.3.9	Formwork to cast in situ concrete lining for open drains (Class F2 surface finish)				
18.10.10		C3.3.9.1	To sides with formwork on the internal face only	m2	270		
18.10.11		C3.3.9.3	To ends of slabs	m2	10		
18.10.12		C3.3.12	Reinforcement				
18.10.13		C3.3.12.3	Welded steel fabric Ref 193	kg	1100		
18.10.14		C3.3.15	Energy dissipaters in outlet structures				
18.10.15		C3.3.15.1	Precast concrete blocks in outlet structures	No	4		
18.10.16		C3.3.16	Parking Lot disable concrete ramp including concrete block for retaining wall	Sum	1		
18.10.17		C3.3.17	Parking Lot concrete staircase	Sum	1		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

TOTAL CARRIED FORWARD

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SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
18.12		C4.2	CUT MATERIALS				
		C4.2.4	Excavating of materials in box cuts, material obtained from				
18.12.1		C4.2.4.1	Soft excavation	m³	1200		
18.12.2		C4.2.4.2	Boulder excavation class A	m³	250		
18.12.3		C4.2.4.4	Hard excavation (other than by blasting)	m³	100		
18.12.4		C4.2.4.5	Hard excavation (by blasting)	m³	100		
18.13		C4.4	COMMERCIAL MATERIALS				
		C4.4.2	Commercial material identified by the contractor from commercial, private or other non-commercial suppliers				
18.13.1			(a) Lower selected subgrade layer (G9 Imported - 150mm thk) compacted to 95 % of MDD	m³	880		
18.13.2			(b) Upper selected subgrade layer (G7 Imported - 150mm thk) compacted to 95 % of MDD	m³	840		
18.13.3			(c) Gravel Sub-Base course layer (chemically stabilised C4), (C4 from G5 Imported - 150mm thk) compacted to 95 % of MDD - Parking layer	m³	860		
18.13.4			(d) Gravel base layer (chemically stabilised C3), (C3 from G5 Imported - 150mm thk) compacted to 97 % of MDD	m³	710		
18.14		C4.4.2.5	Fill Material in Earthworks				
18.14.1			(a) Normal or coarse fill	m³	5		
18.14.2			(b) Rock Fill	m³	500		
18.14.3			(c) Sand	m³	300		
18.15		C5.1	ROADBED				
18.15.1		C5.1.1	Roadbed construction and compaction				
18.15.2		C5.1.1.1	Compaction of in-situ material to 90 % of MDD (150mm thk)	m³	830		
TOTAL CARRIED FORWARD							

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SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
18.16		C5.2	FILL				
		C5.2.2	Fill construction				
		C5.2.2.1	Normal fill material in compacted layer thicknesses of 200 mm and less:				
18.16.1			(a) Compacted to 93 % of MDD	m³	860		
18.16.2			(b) Roller-pass compaction	m³	1560		
		C5.2.2.4	Rock fill material all as per Clause A5.2.7.6				
18.16.3			(a) Rock Fill	m³	30		
18.17		C5.3	ROAD PAVEMENT LAYERS				
18.17.1		C5.3.1	Compiling and implementing M&U plans for the construction of all the pavement layers	No	1		
		C5.3.2	Construction of pavement layers				
		C5.3.2.1	Construction of layers using conventional construction methods:				
18.17.2			(a) Lower selected subgrade layer (G9 Imported - 150mm thk) compacted to 95 % of MDD	m³	880		
18.17.3			(b) Upper selected subgrade layer (G7 Imported - 150mm thk) compacted to 95 % of MDD	m³	840		
18.17.4			(c) Gravel Sub-Base course layer (G5 Natural Gravel or better - 150mm) compacted to 95 % of MDD	m³	870		
18.17.5			(d) Gravel base layer (chemically stabilised C3), (C3 from G5 Imported - 150mm thk) compacted to 97 % of MDD	m³	710		
TOTAL CARRIED FORWARD							

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SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
18.18		C5.4	STABILIZATION				
		C5.4.2	Chemical stabilisation				
18.18.1		C5.4.2.1	(a) Chemical stabilisation (150mm thk) of pavement layers (base)	m³	860		
18.18.2		C5.4.2.2	(b) Chemical stabilisation (150mm thk) of pavement layers (base) using labour enhanced methods of construction (in restricted areas)	m³	30		
		C5.4.5	Cementitious stabilisation agents for pavement layers				
		C5.4.5.1	Addition of cementitious stabilisation agents for pavement layers				
18.18.3			(a)(i) Cement (for Upper subbase)	t	58		
18.18.4		C5.4.10	Provision and application of water for curing	kl	115		
18.18.5		C5.4.11	Curing by covering with the subsequent layer	m²	5570		
18.18.6		C5.4.14	Trial section for a chemically stabilised layer	m³	100		
18.19		C13.3	STEEL REINFORCEMENT				
		C13.3.1	Reinforcement for:				
			(a) Concrete Road Section Slab:				
18.19.1			(b) Ref 245 Mesh Wire	kg	1070		
TOTAL CARRIED FORWARD							

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ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
18.20		C13.4	CONCRETE				
		C13.4.1	Cast in situ concrete				
		C13.4.1.1	Strength concrete:				
			(a) Class 15/9 in:				
18.20.1			(i) Blinding layers (75mm nominal thickness)	m³	355		
			(b) Class 30/19in:				
18.20.2			(i) Road Sections	m³	800		
18.20.3			(ii) Side walk - Parking area	m³	11		
18.21		C13.7	JOINTS				
		C13.7.2	Filled joints:				
18.21.1		C13.7.2.1	(a) 10mm thick Flexcell - Bitumen impregnated expansion joint filler in culvert floor slab	m²	20		
18.22		C11.1	PITCHING, STONEWORK, CAST IN SITU CONCRETE FOR PROTECTION AGAINST EROSION				
		C11.1.2	Stone pitching				
18.22.1		C11.1.2.3	Grouted stone pitching on a concrete bed	m²	20		
18.22.2		C11.1.6	Concrete Edge Beam (25Mpa)	m³	1		
TOTAL CARRIED FORWARD							

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SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
18.23		C11.2	NON-STRUCTURAL GABIONS				
		C11.2.1	Foundation trench excavation:				
		C11.2.1.1	Excavating all material situated within the following depth ranges below the surface level				
18.23.1			(a) 0 m to 1,5 m	m³	5		
18.23.2		C11.2.2	Surface preparation for bedding the gabion boxes and mattresses	m²	5		
		C11.2.3	Gabion boxes and mattresses:				
18.23.3		C11.2.3.1	(i) Galvanized gabion boxes, Length 1m, Width 2m, Depth 1m and nominal diameter of mesh wire 2.7mm, mesh size 80mm x 100mm	m³	5		
18.23.4			(ii) Galvanized gabion boxes, Length 2.0m, Width 2m, Depth 1m and nominal diameter of mesh wire 2.7mm, mesh size 80mm x 100mm.	m³	5		
18.23.5		C11.2.3.3	(iii) Galvanized gabion mattresses, Length 2m, Width 1m, Depth 0.23mm, mesh size 80 x 100mm nominal diameter of mesh size 2,2mm, and 1m diaphragm spacing.	m³	4		
18.23.6		C11.2.4	Geotextile (kaytech grade A4 or similar).	m²	15		
18.24		C11.4	ROAD RESTRAINT SYSTEMS				
		C11.4.1	Complete galvanized system compliant to SANS 1350:				
18.24.1		C11.4.1.1	(a) On timber posts (Drawing reference SD1101)	m	95		
18.24.2		C11.4.1.2	(b) End treatments where single guardrail sections are specified (Drawing reference SD1102)	No	4		
		C11.4.4	Extra over for horizontally curved guard rails				
18.24.3		C11.4.4.1	Extra over C11.4.1 for horizontally curved guard rails factory bent to a radius of less than 45 m	m	164		
		C11.4.5	Additional guardrail posts for 3,81 m systems:				
18.24.4		C11.4.5.1	Timber	No	5		
		C11.4.6	Reflective plates				
18.24.5		C11.4.6.1	Steel plates	No	16		
TOTAL CARRIED FORWARD							

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SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
18.25		C11.5	FENCING				
		C11.5.3	Moving existing fences and gates:				
18.25.1			(a) Security fences	m	20		
18.25.2		C11.5.3.2	Gates	No	1		
18.26		C11.6	ROAD SIGNS				
		C11.6.1	Road signboards with painted or coloured semi-matt background. Symbols, lettering and borders in semi- matt black or in Class I retro-reflective material, where the sign board is constructed from:				
		C11.6.1.3	Prepainted galvanized steel plate:				
18.26.1			(a) Area exceeding 0,5 m2 but not 2,0 m2	m²	5		
18.26.2			(b) Area exceeding 2,0 m2 but not 10 m2	m²	0		
		C11.6.1.7	Regulatory signs, permanent				
18.26.3			(a) 600 mm diameter (aluminium sheet)	No	1		
		C11.6.1.9	Warning signs, permanent				
18.26.4			(a) 600mm size (aluminium sheet)	No	20		
		C11.6.2	Extra over on item C11.6.1 for using:				
		C11.6.2.1	Background of retro-reflective material:				
18.26.5			(a) Class I	m²	5		
		C11.6.2.2	Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material:				
18.26.6			(b) Class III	m²	5		
		C11.6.3	Road sign supports (overhead road sign structures excluded):				
18.26.7		C11.6.3.2	Timber (150mm diameter)	m	50		
		C11.6.8	Danger plates at culverts/structures				
18.26.8		C11.6.8.1	Size 150 x 600 mm (timber post and reflective material)	No	0		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

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SECTION: SCHEDULE 18: ACCESS ROAD AND PARKING

TOTAL CARRIED FORWARD	
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TOTAL CARRIED FORWARD TO SUMMARY	
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CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 19: CONCRETE

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		SANS1200 GA	SCHEDULE 19: CONCRETE				
19.1		PSG8.1.1	FORMWORK				
		8.2.1	Rough:				
19.1.1			a) Vertical plane walls	m²	150		
		8.2.2	Smooth:				
19.1.2			a) Vertical to wall and roof	m²	250		
19.1.3			b) Roof support shattering	m²	69		
19.1.4			c) Smooth formwork to walls supporting pipes	m²	50		
19.1.5			d) Smooth formwork for pump plinths and floor slab	m²	2		
19.1.6			e) Smooth formwork for drains	m²	50		
19.1.7			f) Narrow widths (up to 300 mm wide):	m²	408		
19.2		PSG8.1.2.2 & 8.1.2.3	REINFORCEMENT				
		8.3.1	Mild steel bars:				
19.2.1			a) R 10	t	0.1		
		8.3.2	High-tensile steel bars:				
19.2.2			a) Y10	t	7.6		
19.2.3			b) Y12	t	30		
19.2.4			c) Y16	t	30		
19.2.5			d) Y20	t	8		
		8.3.2	High-tensile welded mesh of:				
19.2.6			a) Ref 193	m²	163		
19.2.7			b) Ref 245	m²	163		
19.2.8			c) Ref 395	m²	82		
TOTAL CARRIED FORWARD							

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SECTION: SCHEDULE 19: CONCRETE

TOTAL BROUGHT FORWARD							
19.3		8.4 & PSG8.1.3	CONCRETE				
19.3.1		8.4.2	Strength concrete, Class 15/19 concrete, blinding layer 75mm thick	m²	4.2		
		8.4.3	Strength concrete				
			a) Class 20/19 for:				
19.3.2			i) Aprons and drains	m³	30		
19.3.3			ii) Blinding	m³	10		
			b) Class 25/19 for:				
19.3.4			i) Surface Slabs	m³	82		
19.3.5			ii) Roof slab	m³	12		
19.3.6			iii) Foundation footings	m³	300		
19.3.7			iv) Foundation	m³	6		
			c) Class 30/19 for:				
19.3.8			i) Walls	m³	44		
19.3.9			ii) Floor slab	m³	3		
19.3.10			iii) Beams	m³	301		
			d) Class 35/19 for:				
19.3.11			i) Slabs	m³	5		
		PSG8.4.4	Unformed surface finishes:				
		8.4.4 (a)	a) Wood-floated finish				
19.3.12			i) Footings and foundation	m²	281		
		8.4.4 (b)	b) Steel-floated finish				
19.3.13			i) Floor	m²	10		
19.3.14			ii) Beams	m²	300		
19.3.15			iii) Roof	m²	10		
TOTAL CARRIED FORWARD							

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SECTION: SCHEDULE 19: CONCRETE

TOTAL BROUGHT FORWARD						
			Steel float finish to concrete pump bases.	m ²	30	
19.3.16			a) Steel float finish to concrete channel.	m	78	
19.3.17			b) Power float finish to pump house floor slab	m ²	56	
19.3.18			c) Steel float to wall narrow widths	m	32	
19.3.19			d) Wood float to concrete apron and verandah area	m ²	150	
19.3.20			e) Wood float to concrete roof slab	m ²	112	
19.3.21			f) Wood float finish to concrete piers	m ²	20	
19.4		PSG8.5	JOINTS			
19.4.1			a) Two parts grey polysulphide sealant in floor/plinth joint 10mm x 10mm including 13mm bituminous impregnated softboard up to 200mm deep	m	23	
19.4.2		PSG8.12	b) Construction joint to include 10mm thick jointex with 10x 10mm tear off strip and 10 x 10mm approved sealant with polyethelene bond break backing tape, along concrete apron & verandah.	m	156	
19.4.3			c) Saw cut joint 3mm x 35mm cleaned out with compressed air and filled with backing chord & 6mm x6mm polysulphide sealer	m	80	
19.4.4			d) Slip joint between wall and roof slab, two layers tempered hardboard smooth faces together and graphite greased	m	374	
		PSG8.9	Casting items in concrete:			
19.4.5			a) Up to 300 mm nominal bore in up to 300 mm thick concrete	No	18	
19.4.6			b) Over 300 mm up to 600 mm nominal bore in up to 300 mm thick concrete	No	2	
TOTAL CARRIED FORWARD						

SECTION: SCHEDULE 19: CONCRETE

TOTAL BROUGHT FORWARD						
19.5			GROUTING			
			a) Grouting in of pipes in walls and floors			
19.5.1			i) 300 mm x 300 mm openings	No	8	
19.5.2			ii) 400 mm x 400 mm openings	No	6	
19.5.3			iii) 500 mm x 500 mm openings	No	6	
			b) Grouting in of holding down bolts			
19.5.4			i) Pumpstation	No	20	
19.5.5			Allowance for concrete works as instructed by engineer	Prov Sum	1	R 350 000.00
19.5.6			Handling cost and profit in respect of sub-item 19.5.5 above.	%	R 350 000.00	
TOTAL CARRIED FORWARD TO SUMMARY						

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CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 20: SUPERSTRUCTURE

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		PA	SCHEDULE 20: SUPERSTRUCTURE				
20.1			BRICKWORK				
20.1.1		PA - 4.1	Brickwall, 330 mm thick cavity wall, clay facebrick in class 1 mortar "Corobrick Fire Light Satin" or similar approved (include hot dipped galvanised wall ties)	m²	504		
20.1.2			One brickwall in NFX bricks	m²	40		
20.1.3			150mm wide brick reinforcement built in horizontally every third course	m	481		
20.1.4			Brick on edge header course over door and window openings	m	28		
		PA - 4.1.2	Air bricks				
20.1.5			230 x 152 clay vermin proof built in	No	16		
20.1.6			233 mm x 175 plastic air vent built in	No	16		
20.1.7			Pre-cast concrete lintels above doors and windows built in 330 wide x 100mm thick x 2100 mm long	No	16		
20.1.8			Fibre cement window sills 150 x 10 mm to in side face of windows.	m	21		
20.2		PA - 4.17	WATERPROOFING				
20.2.1		PA4.4	One layer of 375 micron damp proof course 330mm wide in walls	m	55		
20.2.2			250 micron USB Green Water proof sheeting under surface beds	m²	30		
20.2.3			to smooth concrete as per manufacture's specifications (Include for hot applied slate granules-to act as mineral self	m²	56		
20.2.4			Supply and install water stop bar at kickers as per drawing	m	50		
20.3		PB 12	METALWORK				
20.3.1			D.V. steel door frame and double transformer steel door, 2040W x 3065 H fully louvred Type M, complete with suitable 3 lever lockset built into walls with galvanised vermin proof mesh on the inside (as shown on drawings)	No	3		
20.3.2			Extra over 6.6.1 for purpose made opening 300 x 150mm to permit removal of pumps by use of gantry, including locking device as shown on the drawings	No	3		
20.3.3			Supply and build in Industrial windows type BLU, 2100 x 600mm with pressed steel louvres and galvanised vermin proof mesh on the inside	No	10		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 20: SUPERSTRUCTURE

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CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 21: RETURN ACTIVATED SLUDGE PUMPSTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 21: RETURN ACTIVATED SLUDGE PUMPSTATION				
		PSHA3	STRUCTURAL STEELWORK				
21.1		SANS 1200 HA	STEELWORK (Sundry Items)				
21.1.1			Mentis handrail, ball type MT 90 complete installed	m	18		
21.1.2			Mentis stair threads, 900 x 245 mm, 6 per stair	No	2		
21.1.3			Cast iron manhole covers & frames				
21.1.4			a) 450 x 600	No	6		
21.1.5			b) 600 x 900	No	2		
21.1.6			c) Grid floor, bearer 25 x 4.5 mm light duty, 450 mm wide, galvanized & banded over canals	m	45		
21.2			STEEL TANK REFURBISHMENT				
21.2.1			Allowance for removal of a debris from tank and general cleaning	Sum	1		
21.2.2			High-pressure water jetting (5000+ PSI) of internal and external surfaces	m²	200		
21.2.3			Sand blast and recoat with preimer and two compound epoxy paint.	m²	200		
21.2.4			Stainless steel SCH304 support beams, width = 100mm	m	13		
21.2.5			Allowance for removal existing pipework, pumps, etc and transportation to HGDM storages	Sum	1		
21.2.6			Internal lining with potable-grade or heavy-duty bitumen/epoxy coating	m²	200		
21.2.7			Supply and install pipe support as per detail	No	4		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 21: RETURN ACTIVATED SLUDGE PUMPSTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
		8.2.5	PIPE FITTINGS Stainless Steel				
			Copon coated = Cc; Galvanised = gs; oef=one end flanged; bef = both ends flanged; pf=puddle flange pipework 304L SS, class Sch 10. Flanges SABS 1123 table 1000/3				
21.3			SHORT RADUIS BENDS (Flanged 1000/3)				
			a) 90°				
21.3.1			150 mm dia bef	No	14		
			b) 45°				
21.3.2			150 mm dia bef	No	2		
			c) TEE PIECE WITH LATERAL OF ANGLE = 60°				
21.3.3			150 x 150mm	No	2		
21.4			REDUCER				
21.4.1			a) 150mm x 50mm Eccentric Reducer	No	6		
21.4.2			b) 150mm x 50mm Concentric Reducer	No	6		
			150 mm dia straight pipe				
21.4.3			a) L=300, bef with BSP slot, Pf	No	6		
21.4.4			b) L=300, oef	No	6		
21.4.5			c) L=1500, bef	No	6		
21.4.6			d) L=1950, bef,Pf with BSP slot, Pf	No	6		
21.4.7			e) L=300, oef	No	6		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 21: RETURN ACTIVATED SLUDGE PUMPSTATION

	TOTAL CARRIED FORWARD	
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SECTION: SCHEDULE 21: RETURN ACTIVATED SLUDGE PUMPSTATION

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CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 22: BUILDING REFURBISHMENT				
22.1			BUILDING 1 REFURBISHMENT				
			a) Roof coverings				
22.1.1			Ex. Fibre cement roof to be waterproofed where leaking.	m²	34		
			Prepare and paint with roof paint				
			Paintwork				
22.1.2			Supply and install 225x15mm Tempered fascia, fixed to tilter batten.The installation included removal and disposal of existing	m	13		
22.1.3			Supply and install 80x200mm Tempered bargeboard, including fixing to roof gable end. The installation included removal and disposal of existing	m	11		
22.1.4			Supply and install 75 mm Diameter rainwater pipe inclusive of fixing material	m	6		
			b) Ceiling				
22.1.5			Supply and install 4mm Nutec or similar approved ceiling board, fixed to 38x38mm battens at max. 400mm c/c. Rate to include battens.	m²	25		
22.1.6			Supply and install 75mm Coved Nu-cornice or similar approved applied to manufacturer's specifications.	m	30		
			c) Walls				
			External plaster. 15mm thick 1:4 Cement plaster finished with steel trowel to smooth and even surface on concrete blockwork.				
22.1.7			Plaster to all internal walls, including reveals etc.	m²	55		
			Paintwork				
			Prepare and paint one coat timber undercoat and two coats 'Plascon' Velvagio or similar approved Polyurethane Enamel on:				
22.1.8			Plaster to all external walls, including reveals etc.	m²	55		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
			d) Floor				
			Tiling Prepare floor surfaces and lay floor tile in accordance with suppliers specification.				
			400 x 400mm Johnson or similar approved ceramic tiles fixed with adhesive and with 8mm joints in both directions and flush pointed with tinted waterproof jointing compound and sealed as per manufacturer's specifications (colour to be confirmed by client or client's agent)				
22.1.9			Supply and install Tiling on floors inclusive of removal of existing, tile fix, grout and other items	m²	25		
			e) Door				
22.1.10			2032x813x40mm Timber Door, hung to timber frame	No	1		
22.1.11			Supply and install Frame for 813mm wide x 2032mm high door	No	1		
			f) Plumbing				
			Replacement of existing WHB trap				
22.1.12			Supply and install Cobra welcome basin, wall hung 400x321x170. Code 709000WH or similar approved	No	1		
			g) General Provisions				
22.1.13			Sum for refurbishment and servicing for all Fire extinguisher equipment	Sum	1		
22.1.14			Sum for refurbishment and servicing of air conditioning system replaced	Sum	1		
22.1.15			Sum for refurbishment and servicing of electrical fittings	Sum	1		
22.1.16			Sum for refurbishment and servicing of burglar guards and gate	Sum	1		
22.1.17			Sum for refurbishment and servicing of window glazing. To replaced where necessary	Sum	1		
22.2			BUILDING 2 REFURBISHMENT				
			a) Roof coverings				
22.2.1			Ex. Fibre cement roof to be waterproofed where leaking.	m²	68.4		
22.2.2			Supply and install 75 mm Diameter rainwater pipe inclusive of fixing material	m	2.7		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
			b) Ceiling				
22.2.3			Prepare and paint sofit	m²	68.4		
			c) Walls				
			External plaster. 15mm thick 1:4 Cement plaster finished with steel trowel to smooth and even surface on concrete blockwork:				
22.2.4			Plaster to all internal walls, including reveals etc.	m²	133		
22.2.5			Plaster to all external walls, including reveals etc.	m²	8.5		
			Prepare and paint one coat timber undercoat and two coats 'Plascon' Velvagro or similar approved Polyurethane Enamel on:				
22.2.6			Paintwork	m²	141.5		
			d) Window				
22.2.7			Remove and make good for new 1460mmx1520mm window	No	1		
			e) Floor				
			Tiling Prepare floor surfaces and lay floor tile in accordance with suppliers specification.				
			400 x 400mm Johnson or similar approved ceramic tiles fixed with adhesive and with 8mm joints in both directions and flush pointed with tinted waterproof jointing compound and sealed as per manufacturer's specifications (colour to be confirmed by client or client's agent)				
22.2.8			Supply and install Tiling on floors inclusive of removal of existing, tile fix, grout and other items	m²	30.6		
			f) Door				
22.2.9			2032x813x40mm Timber Door, hung to timber frame	No	3		
22.2.10			Supply and install Frame for 813mm wide x 2032mm high door	No	3		
			g) Plumbing				
22.2.11			Existing gyser to be serviced and checked by plumber	No	1		
22.2.12			New 1000mm x 2000mm aluminum slidind shower door	No	1		
22.2.13			New water supply pipe for fire hose reel to be installed	No	1		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
			h) General Provisions				
22.2.14			Sum for refurbishment and servicing for all Fire extinguisher equipment	Sum	1		
22.2.15			Sum for refurbishment and servicing of air conditioning system replaced	Sum	1		
22.2.16			Sum for refurbishment and servicing of electrical fittings	Sum	1		
22.2.17			Sum for refurbishment and servicing of bulrger guards and gate	Sum	1		
22.2.18			Sum for refurbishment and servicing of window glazing. To replaced where neccessary	Sum	1		
22.3			BUILDING 3 REFURBISHMENT				
			a) Roof coverings				
22.3.1			Ex. Fibre cement roof to be waterproofed where leaking.	m²	59		
			b) Ceiling				
22.3.2			Prepare and paint sofit	m²	59		
			c) Walls				
			External plaster. 15mm thick 1:4 Cement plaster finished with steel trowel to smooth and even surface on concrete blockwork:				
22.3.3			Plaster to all internal walls, including reveals etc.	m²	75		
22.3.4			Plaster to all external walls, including reveals etc.	m²	7.4		
			Prepare and paint one coat timber undercoat and two coats 'Plascon' Velvagio or similar approved Polyurethane Enamel on:				
22.3.5			Paintwork	m²	82.4		
			d) Floor				
22.3.6			New floor epoxy to be applied	m²	38.4		
			e) General Provisions				
22.3.7			Sum for refurbishment and servicing for all Fire extinguisher equipment	Sum	1		
22.3.8			Sum for refurbishment and servicing of electrical fittings	Sum	1		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
22.3.9			Roller shutter door pulley mechanism to be serviced	Sum	1		
22.3.10			Sum for refurbishment and servicing of window glazing. To replaced where necessary	Sum	1		
22.4			BUILDING 4 REFURBISHMENT				
			a) Roof coverings				
22.4.1			Ex. Fibre cement roof to be waterproofed where leaking.	m²	57.4		
			b) Ceiling				
22.4.2			Prepare and paint sofit	m²	57.4		
			c) Walls				
			External plaster. 15mm thick 1:4 Cement plaster finished with steel trowel to smooth and even surface on concrete blockwork:				
22.4.3			Plaster to all internal walls, including reveals etc.	m²	167		
22.4.4			Plaster to all external walls, including reveals etc.	m²	7.6		
			Prepare and paint one coat timber undercoat and two coats 'Plascon' Velvagro or similar approved Polyurethane Enamel on:				
22.4.5			Paintwork	m²	174.6		
22.4.6			115x 85mm bam wall @ shower to be tiled	Sum	1		
			d) Window				
22.4.7			Replace cracked window glazing where necessary	Sum	1		
			e) Floor				
22.4.8			Tiling to be pressure cleaned and re-grouted where necessary	m²	36.5		
			f) Door				
22.4.9			Semi solid doors at showers and change room divisions to be painted	No	3		
22.4.10			All necessary hinges and door handles	No	3		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

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SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
			g) Plumbing				
22.4.11			Install new shower heads and tabs for both showers	No	2		
22.4.12			Service or replace solar geyser system	No	1		
			h) General Provisions				
22.4.13			Sum for refurbishment and servicing for all Fire extinguisher equipment	Sum	1		
22.4.14			Sum for refurbishment and servicing of electrical fittings	Sum	1		
22.5			BUILDING 5 REFURBISHMENT				
			a) Roof coverings				
22.5.1			Ex. Fibre concrete roof tiles to be waterproofed where leaking.	m²	124		
22.5.2			Supply and install 80x200mm Cement bargeboard, including fixing to roof gable end. The installation included removal and disposal of existing	m	3.8		
			b) Ceiling				
22.5.3			Supply and install 4mm Nutek or similar approved ceiling board, fixed to 38x38mm battens at max. 400mm c/c. Rate to include battens.	m²	82		
22.5.4			Supply and install 75mm Coved Nu-cornice or similar approved applied to manufacturer's specifications.	m	50		
			c) Walls				
			External plaster. 15mm thick 1:4 Cement plaster finished with steel trowel to smooth and even surface on concrete blockwork:				
22.5.5			Plaster to all internal walls, including reveals etc.	m²	167		
22.5.6			Plaster to all external walls, including reveals etc.	m²	7.6		
			Prepare and paint one coat timber undercoat and two coats 'Plascon' Velvagio or similar approved Polyurethane Enamel on:				
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
22.5.7			Paintwork	m²	175		
22.5.8			115x 85mm barn wall @ shower to be tiled	Sum	1		
			d) Window				
22.5.9			Replace cracked window glazing where necessary	Sum	1		
22.5.10			Replace or fix window mechanism for kitchen	Sum	1		
			e) Floor				
22.5.11			Tiling to be pressure cleaned and re-grouted where necessary	m²	58		
			400 x 400mm Johnson or similar approved ceramic tiles fixed with adhesive and with 8mm joints in both directions and flush pointed with tinted waterproof jointing compound and sealed as per manufacturer's specifications (colour to be confirmed by client or client's agent)				
22.5.12			Existing floor tiles at kitchen to be replaced	m²	24		
			f) Door				
22.5.13			All showers and washing closets to be installed with new locks and handles	No	9		
			g) Plumbing				
22.5.14			Install new shower heads and tabs for both showers	No	3		
22.5.15			Service or replace solar geyser system	No	1		
22.5.16			New wall mounted taps for WHB to be installed at change room 1 with all plumbing	No	1		
22.5.17			New stainless steel double sink, wall mounted tap and all plumbing to be installed at kitchen.	No	1		
22.5.18			New WHB waste pipe for change room 2 to be installed	No	1		
			h) General Provisions				
22.5.19			Sum for refurbishment and servicing for all Fire extinguisher equipment	Sum	1		
22.5.20			Sum for refurbishment and servicing of electrical fittings	Sum	1		
22.5.21			New fire extinguisher to be installed at the kitchen	No	1		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
22.6			BUILDING 6 REFURBISHMENT				
			a) Roof coverings				
22.6.1			Ex. Fibre concrete roof tiles to be waterproofed where leaking.	m²	124		
22.6.2			Supply and install 80x200mm Cement bargeboard, including fixing to roof gable end. The installation included removal and disposal of existing	m	3.8		
			b) Ceiling				
22.6.3			Supply and install 4mm Nutek or similar approved ceiling board, fixed to 38x38mm battens at max. 400mm c/c. Rate to include battens.	m²	82		
22.6.4			Supply and install 75mm Coved Nu-comice or similar approved applied to manufacturer's specifications.	m	21		
			c) Walls				
			External plaster. 15mm thick 1:4 Cement plaster finished with steel trowel to smooth and even surface on concrete blockwork.				
22.6.5			Plaster to all internal walls, including reveals etc.	m²	167		
22.6.6			Plaster to all external walls, including reveals etc.	m²	7.6		
			Prepare and paint one coat timber undercoat and two coats 'Plascon' Velvago or similar approved Polyurethane Enamel on:				
22.6.7			Paintwork	m²	174.6		
22.6.8			115x 85mm barn wall @ shower to be tiled	Sum	1		
			d) Window				
22.6.9			Replace cracked window glazing where necessary	Sum	1		
22.6.10			Replace or fix window mechanism for kitchen	Sum	1		
			e) Floor				
22.6.11			Tiling to be pressure cleaned and re-grouted where necessary	m²	58		
			400 x 400mm Johnson or similar approved ceramic tiles fixed with adhesive and with 8mm joints in both directions and flush pointed with tinted waterproof jointing compound and sealed as per manufacturer's specifications (colour to be confirmed by client or client's agent)				
22.6.12			Existing floor tiles at kitchen to be replaced	m²	24		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
			f) Door				
22.6.13			All showers and washing closets to be installed with new locks and handles	No	9		
			g) Plumbing				
22.6.14			Install new shower heads and tabs for both showers	No	3		
22.6.15			Service or replace solar geyser system	No	1		
22.6.16			New wall mounted taps for WHB to be installed at change room 1 with all plumbing	No	1		
22.6.17			New stainless steel double sink, wall mounted tap and all plumbing to be installed at kitchen.	No	1		
22.6.18			New WHB waste pipe for change room 2 to be installed	No	1		
			h) General Provisions				
22.6.19			Sum for refurbishment and servicing for all Fire extinguisher equipment	Sum	1		
22.6.20			Sum for refurbishment and servicing of electrical fittings	Sum	1		
22.6.21			New fire extinguisher to be installed at the kitchen	No	1		
22.7			BUILDING 7 REFURBISHMENT				
			a) Roof coverings				
22.7.1			Ex. Fibre cement roof tiles to be removed and replaced with new	m²	255		
			b) Ceiling				
22.7.2			Supply and install 4mm Nutech or similar approved ceiling board, fixed to 38x38mm battens at max. 400mm c/c. Rate to include battens.	m²	255		
22.7.3			Supply and install 75mm Coved Nu-cornice or similar approved applied to manufacturer's specifications.	m	65		
			c) Walls				
			External plaster. 15mm thick 1:4 Cement plaster finished with steel trowel to smooth and even surface on concrete blockwork:				
22.7.4			Plaster to all internal walls, including reveals etc.	m²	30		
22.7.5			Plaster to all external walls, including reveals etc.	m²	30		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

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CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
22.8			Steel Lockers1-door factory lockers (Mild steel, powder-coated)1800 x 450 x 300mm	No	6		
22.9			Wooden BenchesSpecialist Meranti/Hardwood slats on steel frame2000 x 400 x 450mm	No	2		
22.10			Open LockersBuilt-in 16mm White Melamine (18 compartments)Custom (As per drawing)	No	1		
22.11			Wall MirrorsCommercial grade polished edge (6mm)1200 x 900mm	No	2		
22.12			Coat HooksHeavy-duty stainless steel (Double prong)	No	12		
22.13			Waste Bins45L Stainless steel pedal bins	No	2		
22.14			Seating (Extra)Low ottoman/stool (Optional for corner)450mm Dia	No	1		
22.15			Melamine Boards16mm White Melamine + Edging (for open lockers)(10m2)	Sum	1		
22.16			HardwareFixings, wall anchors, and assembly consumables	Sum	1		
22.17			Signage"Change Room" door sign & hygiene notices	Sum	1		
22.18			Professional Installation Team of 2 for 2 days (Lockers, benches, mirror mounting)	Sum	1		
22.19			Specialist Carpentry On-site assembly of melamine open locker system	Sum	1		
22.20			Site supervision and quality control	Sum	1		
22.21			Granite Countertops50mm Grey Granite (Custom thickness) for main desks and sink area.	m	7.5		
22.22			Full Height Cupboard16mm White Melamine with internal shelving (as per Section B-B).	No	1		
22.23			Built-in Shelves16mm White Melamine units above granite tops.	No	2		
22.24			Steel Support StructureMatt Black Aluminium/Steel stands and support legs (Section C-C).	No	1		
22.25			Franke Cascade SinkCDX 671 Stainless Steel Inset Sink (1360x500mm).	No	1		
22.26			Cobra Ledimo MixerWall-type sink mixer with aerated swivel outlet.	No	1		
22.27			Notice BoardParrot Products ribbed aluminium frame (1200x900mm).	No	1		
22.28			Electrical PointsECO Switch socket double (4x4 White) - supply and install.	No	6		
TOTAL CARRIED FORWARD TO SUMMARY							

SECTION: SCHEDULE 22: BUILDING REFURBISHMENT

TOTAL CARRIED FORWARD TO SUMMARY

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 23: BOUNDARY WALL

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 23: BOUNDARY WALL				
23.1			SITE CLEARANCE: EXTERNAL				
23.1.1		8.2.1	Clear and grub	ha	0.25		
		8.2.2	Remove and grub large trees and tree stumps of girth over and up to				
23.1.2			a) Over 1m and up to and including 2m	No	35		
23.1.3			b) Over 2m and up to and including 3m	No	18		
23.1.4			c) Over 3m, in steps of 1m	No	18		
23.1.5		8.2.3	Remove and grub all trees and tree stumps regardless of girth	ha	0.25		
23.1.6		8.2.9	Transport material and debris to unspecified sites and dump	m3.km	3500		
23.1.7		8.2.10	Remove topsoil to nominal depth of 150mm and stockpile	m3	2500		
		8.3.2	Bulk Excavation				
23.1.8			a) Excavation between depths of 0-1m	m3	172		
23.1.9			b) Excavation between depths of 1-2m	m3	172		
			c) Extra-Over for				
23.1.10			i) Intermediate material	m3	138		
23.1.11			ii) Hard rock material	m3	103		
23.1.12			iii) Boulder Excavation, Class A	m3	17		
23.1.13			iv) Boulder Excavation, Class B	m3	17		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 23: BOUNDARY WALL

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
23.2			REINFORCED CONCRETE				
			15MPa/19mm Concrete				
23.2.1			a) Blinding for foundation 50mm	m3	25		
			25MPa/19mm Concrete				
23.2.2			a) Strip footings	m3	133		
23.2.3			b) Mass concrete to poured into blocks	m3	93		
			TEST BLOCKS				
23.2.4			Making concrete strength test cubes size 150 x 150 x 150mm, sending them to an approved independent testing laboratory for testing and paying all charges in connection therewith. Only successful tests will be paid for.	No	10		
23.3			SUPERSTRUCTURE				
			Concrete block wall				
23.3.1			190mm thick block wall -7MPa SABS approved m190 concrete blocks set in class ii mortar. galvanized brickforce at 400mm vertical centres (every 2nd block course).	m2	2208		
			BRICK REINFORCEMENT				
23.3.2			Brickforce @ 400 centres on every second course	m	4095		
			BRICKWORK SUNDRIES				
23.3.3			10mm Wide open (unfilled) tied control joint at face of pier at max 12m centres concertina ties built into the concrete filled block cores at 400mm vertical centres	m	273		
			PLASTERING				
			EXTERNAL PLASTER				
			Two coat special plaster on brickwork				
23.3.4			a) Brick wall	m2	4417		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 23: BOUNDARY WALL

TOTAL CARRIED FORWARD TO SUMMARY	
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SECTION: SECTION 24: DEWATERING PRESS

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SECTION: SECTION 24: DEWATERING PRESS

TOTAL CARRIED FORWARD TO SUMMARY	
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CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 25: BLOWER ROOM

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 25: BLOWER ROOM				
		PSHA3	STRUCTURAL STEELWORK				
25.1		SANS 1200 HA	STEELWORK (Sundry Items)				
25.1.1			Mentis handrail, ball type MT 90 complete installed.Stainless steel 316L SS SCH 10	m	20		
25.1.2			Mentis stair threads, 900 x 245 mm, 6 per stair	No	2		
25.1.3			Cast iron manhole covers & frames				
25.1.4			a) 450 x 600	No	1		
25.1.5			b) 600 x 900	No	1		
25.1.6			c) Grid floor, bearer 25 x 4.5 mm light duty, 450 mm wide, galvanized & banded over canals	m	16		
25.1.7			Supply and install pipe support as per detail. H= 1.5m, with a baseplate for mounting to the ground	No	3		
25.2		PB 12	METALWORK				
25.2.1			D.V. steel door frame and double steel door, to special made to existing size fully louvred Type M, complete with suitable 3 lever lockset built into walls with galvanised vermin proof mesh on the inside. Shop drawings will be provided by contractor prior to manufacturing	No	1		
25.2.2			Extra over 6.6.1 for purpose made opening 300 x 150mm to permit removal of pumps by use of gantry, including locking device as shown on the drawings	No	1		
25.2.3			Supply and build in Industrial windows type BLU, 2100 x 600mm with pressed steel louvres and galvanised vermin proof mesh on the inside	No	3		
25.2.4			Supply install 4.0 tonne push/pull beam crawl to suit crawl beam, complete with hand chain block.	No	1		
25.2.5			Allowance for all building refurbishment of floor, roof slab and general repairs	Prov Sum	1	R 60 000.00	R 60 000.00
25.2.6			Allowance for profit on above item	%	R 60 000.00		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT
NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 25: BLOWER ROOM

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
25.3		8.2.5	PIPE FITTINGS Steel- POSTIVE BLOWER				
			Copon coated = Cc; Galvanised = gs; oef=one end flanged; bef = both ends flanged; pf=puddle flange pipework 316L SS, class Sch 10. Flanges SABS 1123 table 1000/3				
			SHORT RADUIS BENDS (Flanged 1000/3) Supply and install fittings below including all fixures				
			a) 90°				
25.3.1			350 mm dia bef	No	3		
			b) TEE PIECE (Flanged 1000/3)				
25.3.2			350mm x 200mm	No	3		
			c) 350 mm dia (mm)				
25.3.3			a) L=2000, bef	No	7		
25.3.4			b) L=295, bef	No	2		
			d) 200 mm dia (mm)				
25.3.5			L=295, bef	No	3		
25.4			e) 200 mm Ø NB, Supply and install fittings below including all fixures				
25.4.1			a) RSV Gate valve class 10, BEF for airflow applications	No	3		
25.4.2			b) Check Rite non return valve or simlair approved for airflow applications	No	3		
25.4.3			c) Flange adapter VJ or Simlair	No	3		
25.4.4			d) Bellows coupling BEF airflow applications	No	3		
25.4.5			e) Allowance for pressure gauge with BSP	Sum	3		
25.4.6			f) Air blowout valve				
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 26: RETAINING WALL

[illegible]

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 27: CHLORINE DOSING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 27: CHLORINE DOSING				
27.1			EQUIPMENT at CHLORINE DOSING ROOM				
27.1.1			Chlorination dosing system to dose up to 5 kg/Cl2/hour. Dual system, dosing from 7 x 68 kg chlorine cylinders at a time with change over device to parallel 5 cylinders.	Sum	1		
			The equipment shall include:				
			a) Vacuum regulators				
			b) Vacuum change over device				
			c) Dosing regulator				
			d) Dosing measurement device				
			e) Ejector				
			f) Ejector booster pump (5 x)				
			g) Chlorine gas detection system (5 x detectors)				
			h) Scale (5 x)				
			i) New ejector booster pump inlet pipework with strainer that can be removed for cleaning				
			j) Outside emergency hand wash basin with shower - SS 316L				
TOTAL CARRIED FORWARD							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 27: CHLORINE DOSING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
27.2			METALWORK				
27.2.1			Supply, fabricate and deliver Parallel Flange Channel, 120x55mm	m	9.5		
27.2.2			Supply, fabricate and deliver I-Beam IPE Section, 120x64mm	m	1.3		
27.2.3			Supply, fabricate and deliver Lipped Channel, 100x75x20x3mm	m	6.3		
27.2.4			Supply, fabricate and deliver Square Hollow Section Post, 70x70x3mm	m	6		
27.2.5			Supply and fabricate Steel Plate, 120x100x10mm	No	8		
27.2.6			Supply and fabricate Steel Support Plate, 130x85x10mm	No	2		
27.2.7			Supply and fabricate Steel Plate, 120x75x10mm	No	26		
27.2.8			Supply and fabricate Steel Plate, 100x75x10mm	No	6		
27.2.9			Supply and fabricate Steel Base Plate, 200x200x10mm	No	3		
27.2.10			Supply and fabricate Steel Post Cap Plate, 140x140x10mm	No	3		
27.2.11			Supply and fabricate 1m high steel handrailing	m	5.6		
27.2.12			Supply and deliver Mentis Fibreglass Rectagrid, 38mm thick	m²	5.9		
27.2.13			Supply and deliver Mentis Fibreglass Stair Treads, 800x250mm (Assumed 8 No.)	No	8		
27.2.14			Supply 16mmØ 316SS Threaded Nuts & Bolts. Length = 100mm	No	38		
27.2.15			Supply 12mmØ 316SS Anchor Bolts c/w epoxy grout Length = 100mm	No	12		
27.2.16			Allow for fabrication, welding and preparation of shop drawings	Sum	1		
TOTAL CARRIED FORWARD							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 27: CHLORINE DOSING

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
27.3		8.2.5	PIPE FITTINGS Stainless Steel				
			Copon coated = Cc; Galvanised = gs; oef=one end flanged; bef = both ends flanged; pf=puddle flange pipework 304L SS, class Sch 10. Flanges SABS 1123 table 1000/3				
			SHORT RADUIS BENDS (Flanged 1000/3)				
			a) 90°				
27.3.1			150 mm dia bef	No	14		
			b) 45°				
27.3.2			350 mm dia oef with duck flange	No	2		
			c) TEE PIECE WITH LATERAL OF ANGLE = 60°				
27.3.3			150 x 150mm	No	2		
			REDUCER				
27.3.4			a) 350mm x 630mm expander with 350mm straight pipe	No	1		
27.3.5			b) 150mm x 50mm Concentric Reducer	No	1		
			150 mm dia straight pipe				
27.3.6			a) L=300, bef with BSP slot, Pf	No	1		
27.3.7			b) L=300, oef	No	1		
			350 mm dia straight pipe				
27.3.8			a) L=700, bef,Pf	No	1		
			Flange adapter	No	1		
27.3.9			a) RSV gate valve	No	1		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION				
28.1			LIGHTNING PROTECTION				
			Supply and install the lightning protection and earthing installation for all the WWTW Buildings & Structures for TT1 & TT2 as follows :				
28.1.1			a) Carry out the earth resistivity survey and provide report for all the buildings on site (include for recommendation for number and spacings of earth electrodes)	Sum	1		
28.1.2			b) Excavation and backfill of ground 300 wide and 600 deep in all classes of medium to hard pickable ground	m	200		
28.1.3			c) 70mm ² bare copper ground trench earth ring main	m	200		
28.1.4			d) 1.6 - 2m long copper clad earth electrodes	No.	30		
28.1.5			e) Exothermic welds 70 -70mm ²	No.	40		
28.1.6			f) Denso tape of exothermic welds	No.	40		
28.1.7			g) 70mm ² PVC insulated earth conductor built into brickwork to pick up roof conductors or steel members, columns etc	m	160		
28.1.8			h) 25 Ø PVC conduit flush cast in slabs and chased in brickwork	m	160		
28.1.9			i) 10 dia solid aluminium earth terminal conductor saddled to concrete roof or walls or upstand beams	m	80		
28.1.10			j) 70 mm ² PVC insulated earth conductor bonding to steel staircases, hand railing etc.	m	30		
28.1.11			k) Tap and drill steel columns to receive 70 mm ² earth conductors from earth mat	No.	8		
28.1.12			l) 70mm ² PVC insulated earth conductor for connecting to reinforcing steel in roof or connecting onto structural steel trusses or sheeting	m	120		
28.1.13			m) 70mm ² earth terminals including making off with lugs etc. complete	No.	50		
28.1.14			n) Supply and install 300mm long copper earth bar with stand-off insulators adjacent MCC	Sum	7		
28.1.15			o) Ensure earth continuity and test between the structure and to the earth mat for all buildings	Sum	1		
28.1.16			p) Ensure earth continuity and test between the concrete or steel roof and earth mat and to other above structures and buildings for all buildings	Sum	1		
TOTAL CARRIED FORWARD							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
28.1.17			q) Test and commission the Lightning Protection and Earthing system for all the buildings and structures in presence of the Engineer	Sum	1		
28.1.18			r) Issue the earth test and compliance certificates for all the above Buildings and Structures (separate certificates required for each site - 8 in total)	Sum	1		
28.1.19			s) Issue the "as built" earthing layouts and hand-over data packs for all the above structures and buildings	Sum	1		
28.2			LEVEL SENSOR , SWITCHES & SENSOR CABLING Etc.				
28.2.1			a) Supply and install the IFM or similar approved level sensor as specified in the pump sumps and dosing tanks for level display and pump low level trip with mounting bracket etc complete	Sum	8		
28.2.2			b) Supply and install the low level cut-out float switches and pump start-stop float switches complete with s/steel rods , chain and weights	Set	4		
28.2.3			c) Supply and install electronic IFM or similar approved no-flow switches for all the pumps and dosing pumps protection complete with stop cock and socket welded to pipe	Sum	6		
28.2.4			d) Proximity Switch (to indicate which poly dosing tank is operational)	No	1		Rate Only
28.2.5			e) 40 dia solenoid valves as specified	No	3		Rate Only
28.2.6			f) Solenoid switch as specified	No	6		Rate Only
28.2.7			g) Limit switch AC/DC or similar approved	No	3		Rate Only
28.2.8			h) Dissolved Oxygen Sensors (DO Sensors) with s/steel mounting brackets and WP enclosure	No	4		
28.2.9			i) Blower air pressure sensors installed on the air delivery pipe with sockets and all fittings complete	No	1		
28.2.10			j) Modbus cabling between the MCC PLCs and SCADA switch at control room (armoured in ground)	m	300		
28.2.11			k) Termination of modbus or fibre optic cabling including termination kit , splicing etc	No.	4		
28.2.12			l) CAT 6 Ethernet cable 1,5mm² 4 pair screened cable	m	400		
28.2.13			m) Termination of ethernet cable	No	16		
28.2.14			n) Fibre optic cable 8 pair single mode	m	450		
28.2.15			o) Fibre optic cable terminations , splicings etc	No	16		
28.2.16			p) Connect , interface , programme , test and commission the PLC for the above level sensor , instruments and control systems and interface to SCADA system complete	Sum	1		
TOTAL CARRIED FORWARD							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
28.2.17			q) Stainless steel level electrodes as specified for control of pumps (auto start and stop)	No	6		
28.3			FLOW METERS				
28.3.1			Supply and deliver to site the following flow meters :				
28.3.1.1			a) 400 dia mag flow meter as specified on RAS pumping line	Sum	2		
28.3.1.2			b) 250 dia mag flow meter as specified on the WAS pumping line	Sum	3		
28.3.1.3			c) Blower air flow meters installed on the blower delivery pipe with sockets and all fittings complete	No	1		
28.3.2			Install and connect up the flow meters supplied above as follows :				
28.3.2.1			a) 400 dia mag flow meter as specified on RAS pumping line	Sum	2		
28.3.2.2			b) 250 dia mag flow meter as specified on the WAS pumping line	Sum	3		
28.3.2.3			c) Blower air flow meters installed on the blower delivery pipe (NB 300-350mm pipe) with sockets and all fittings complete	No	1		
28.4			CABLES				
28.4.1			a) Supply Cables PVC/SWA/PVC/ECC cables per SANS 1507				
28.4.1.1			(a) 1,5mm ² x 3 core ECC	m	150		
28.4.1.2			(b) 1,5mm ² x 4 core ECC	m	150		
28.4.1.3			(c) 2,5mm ² x 3 core ECC	m	200		
28.4.1.4			(d) 2,5mm ² x 4 core ECC	m	200		
28.4.1.5			(e) 10mm ² x 3 core ECC	m	225		
28.4.1.6			(f) 16mm ² x 4 core ECC	m	130		
28.4.1.7			(g) 16mm ² x 3 core ECC	m	120		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
28.4.1.8			(h) 25mm ² x 4 core ECC	m	110		
28.4.1.9			(i) 35mm ² x 4 core ECC	m	200		
28.4.1.10			(j) 95mm ² x 4 core ECC	m	80		
28.4.1.11			(k) 240mm ² x 4 core ECC	m	75		
28.4.2			Cable Glands : Rates shall include the termination of cables in distribution boards, MCCs , kiosks etc and equipment per supplier recommended termination detail. To include corrosion proof CCG Corruguard glands, shrouds, lugs and cable numbers.				
28.4.2.1			(a) 1,5mm ² x 3 core ECC	No	50		
28.4.2.2			(b) 1,5mm ² x 4 core ECC	No	50		
28.4.2.3			(c) 2,5mm ² x 3 core ECC	No	50		
28.4.2.4			(d) 2,5mm ² x 4 core ECC	No	20		
28.4.2.5			(e) 10mm ² x 3 core ECC	No	30		
28.4.2.6			(f) 16mm ² x 4 core ECC	No	6		
28.4.2.7			(g) 16mm ² x 3 core ECC	No	16		
28.4.2.8			(h) 25mm ² x 4 core ECC	No	8		
28.4.2.9			(i) 35mm ² x 4 core ECC	No	12		
28.4.2.10			(j) 95mm ² x 4 core ECC	No	2		
28.4.2.11			(k) 240mm ² x 4 core ECC	No	12		
28.5			ISOLATORS FOR PLANT, DOSING & OTHER EQUIPMENT				
28.5.1			Supply, installation and connection of isolator in IP65 slide extension box complete with box				
28.5.1.1			a) 20 Amp 3 pole Hazardous (Ex Rated)	No.	4		
28.5.1.2			b) 30 Amp 3 pole Hazardous (Ex Rated)	No.	2		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
28.5.1.3			c) Stop button + Stand Hazardous (Ex Rated)	No.	6		
28.5.1.4			d) 20 Amp 2 pole	No.	6		
28.5.1.5			e) 20 Amp 3 pole	No.	6		
28.5.1.6			f) 30 Amp 3 pole	No.	4		
28.5.1.7			g) Emergency Stop buttons + stands corrosion proof s/steel	No.	18		
28.5.2			Make safe , disconnect , remove and deliver to UGU Stores the following :				
28.5.2.1			a) Existing faulty and light fittings not working	No	30		
28.5.2.2			b) Existing plug, isolators or other power points	No	30		
28.5.2.3			c) Existing conduit and wiring (all sizes)	m	150		
28.5.2.4			d) Cables , cable ends, cable trays etc complete (all sizes)	m	80		
28.5.2.5			Allow a provisional sum for the Eskom or Municipality power supply upgrade or new supplies to the WWTW site/s (note that this amount is an estimate only, the final amount will depend on the quote received after the application is made)	Prov Sum	1	R 1 500 000.00	R 1 500 000.00
28.5.2.5.1			Allow for profit on the item 28.5.24	%	R 1 500 000.00		
28.6			LIGHTING, SMALL POWER & SOCKET INSTALLATION				
28.6.1			EQUIPMENT				
28.6.1.1			a) Surface 1 lever light switch	No.	12		
28.6.1.2			b) Surface 16A Switched socket outlet	No.	12		
28.6.1.3			c) 16A Switched socked outlet industrial type surface corrosion proof	No.	8		
28.6.1.4			d) 16 Amp weatherproof switched socket outlet	No.	4		
28.6.1.5			e) Weatherproof termination / junction boxes - CCG corrosion proof or similar for sensors and instruments with terminals	No.	24		
28.6.1.6			f) Surface 2 way light switch	No.	8		
28.6.1.7			g) 20A DP 2 pole isolators	No.	8		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
28.6.1.8			h) 16 Amp zone 2 EXE rated 16A switched socket outlet	No.	4		
28.6.1.9			i) Zone 2 EXE rated terminal junction box	No.	16		
28.6.1.10			j) DBs for all pump stations and other treatment plant buildings as specified	No.	5		
28.6.1.11			k) Conduits , fittings , wiring, saddles , accessories etc complete for all the structures and building lighting and power points				
28.6.1.11.1			i) 25 dia PVC conduit	m	120		
28.6.1.11.2			ii) 25 dia galvanised conduit	m	100		
28.6.1.11.3			iii) 25 dia galvanised round boxes with covers	m	20		
28.6.1.11.4			iv) 100 x 50 galvanised box with covers	m	20		
28.6.1.11.5			v) 100 x 100 galvanised box with cover	No.	2		
28.6.1.11.6			vi) 32 dia PVC conduit in floor and surface with bends etc	m	60		
28.6.1.11.7			vii) 1,5mm ² wires	No.	400		
28.6.1.11.8			viii) 2,5mm ² wires	m	380		
28.6.1.11.9			viii) 4mm ² wires	m	150		
28.6.1.11.10			x) 40 x 40 galvanised trunking with covers fixed to wall or suspended from roof or trusses etc	m	120		
28.6.2			Supply light fittings / luminaries and poles as specified with lamps (refer to project specification for details)				
28.6.2.1			a) Type A - 1,5m 2 Tube 2 X 30W LED corrosion proof	No.	30		
28.6.2.2			b) Type B - Surface Bulkhead Aluminium with glass bowl 1 x 18W LED	No.	24		
28.6.2.3			c) Type C - 1,5m 2 Tube 2 x 30W LED EXE Rated Zone 2	No.	10		
28.6.2.4			d) Type D - Floodlight with aluminium body 1 x 100W LED	No.	4		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
28.6.3			Install and connect the light fittings and poles supplied above.				R -
28.6.3.1			a) Type A	No.	30		
28.6.3.2			b) Type B	No.	24		
28.6.3.3			c) Type C	No.	10		
28.6.3.4			d) Type D	No	4		
28.6.4			Supply and install photo cell to control outside lights	No	4		
28.6.5			Weatherproof termination boxes for instruments etc (with DIN rail, terminals etc.)	No	6		
28.6.6			Disconnect , make safe , strip , remove and deliver the existing damaged or non-compliant MCCs on site and deliver to UGU Stores	No	6		
28.7			MCC & DISTRIBUTION BOARDS				
28.7.1			Supply and install distribution boards, motor control panel etc. complete with doors where applicable, frames, subframes, chassis, fixtures, fittings, circuit breakers spare space, busbar etc. as per specifications and drawings/schematics where provided to SANS 1765 (to include contractor to provide wiring diagrams , PLC I/O lists and wiring diagrams , loop & cable diagrams etc as specified)				
28.7.1.1			a) Make safe, disconnect , remove and deliver the existing star-delta starters for the 75kW submersible pumps for Pump Station 4A	No	3		
28.7.1.2			b) Supply and install new 90kW VSDs for the new submersible pumps for Pump Station 4A	No	3		
28.7.1.3			c) Modify and integrate the controls, VSDs etc to the new PLC/HMI in existing MCC for Pump Station 4A (measured elsewhere) including all wiring and associated equipment	No	3		
28.7.1.4			d) Test and commission the VSDs and pumps for Pump Station 4A	Sum	1		
28.7.1.5			e) MCC - 05 New Blower MCC (including PLC & HMI)	Sum	1		
28.7.1.6			f) MCC - 08 New Sludge Dewatering Plant & Equipment (including PLC & HMI)	Sum	1		
28.7.1.7			g) MCC - 10 New Sludge & Recirculation Pumps and Sedimentation Tank 5 - 6 (including PLC & HMI)	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
			h) MCC - 11 New TT3 Inlet Works Screens & Conveyor (including PLC & HMI)	Sum	1		
28.7.2			Supply and install new PLCs as specified complete in existing MCCs and integrate to starters/VSDs and to SCADA with all control mods and wiring	No	5		
28.7.3			Supply and install HMI as specified complete in existing MCCs and integrate to PLC and SCADA with all control mods and wiring	No	5		
28.7.4			Design and submit wiring and layout drawings for all MCCs and DBs. To include P & ID diagrams , parts and equipment list, PLC I/O lists , cable schedules and cable block diagrams , instrument lists, instrument loop diagrams etc complete	Sum	1		
28.7.5			Factory Acceptance tests (FAT) for all the above MCCs & DBs etc. supplied above including for costs for Engineer to attend	Sum	1		
28.7.6			Allow for cost of Engineer to attend FAT & SAT of MCCs as above and for Engineers travel costs to site and other venues	Sum	1	R 90 000.00	R 90 000.00
28.7.7			Allow for profit and attendance on above item	%			
28.7.6			Allow for the SAT , and test and commission the MCC , electrical and instrumentation installation supplied above including the automation of controls , flow switches and level sensors etc complete	Sum	1		
28.8			SOLAR POWER				
			Supply , deliver, install and connect up the following :				
28.8.1			a) Solar panels with frame and stand-alone supporting structure over drying beds - to power 5kW building lighting and 5kW of site street lighting (Total 10kW). Off grid system	Sum	1		
28.8.2			b) Solar batteries (lithium iron type) complete with cabling etc	Sum	1		
28.8.3			c) Solar charge controller	Sum	1		
28.8.4			d) Solar power inverter complete (Off grid system)	Sum	1		
28.8.5			e) Solar power cabling complete	Sum	1		
28.8.6			f) Solar power DB	Sum	1		
28.8.7			g) Test and commission and provide solar power O & M manuals, COC and compliance and hand over data sheets complete	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER UGU-07-1734-2026
SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
28.8.8			h) Supply and install the steel structure for supporting the solar panels over the sludge drying beds as specified	Sum	1		
28.9			TELEMETRY SYSTEM -WWTW				
28.9.1			Supply, install , test and commission the following to UGU standards and specifications				
28.9.1.1			a) Telemetry panel at the WWTW site and at UGU Control Room	Sum	2		
28.9.1.2			b) Telemetry RTU , digital radios etc at WWTW site and UGU Control Room	Sum	2		
28.9.1.3			c) Telemetry batteries - 100A/hr	No	2		
28.9.1.4			d) Webb radio antennae and associated cabling, mounting and accessories etc complete	Sum	2		
28.9.1.5			e) DC surge protection and optical isolation between serial devices	Sum	2		
28.9.1.6			f) Configuration , testing and commissioning of telemetry systems with instrumentation	Sum	1		
28.9.1.7			g) Integrate telemetry system to UGU SCADA system at UGU Control Room and on-site system including all hardware, software and integration between all MCCs , PLCs and telemetry panel	Sum	1		
28.9.1.8			h) Supply and install earthing for the telemetry system complete	Sum	1		
28.9.1.9			i) Supply O & M manuals, wiring diagrams, compliance certificates and hand-over data pack for complete telemetry system	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
			PLC/HMI & SCADA				
			Full package of Adroit or similar and equal approved SCADA system that will monitor and control the water treatment plant and chemical dosing systems and pumping systems. Includes computer hardware, Adroit Agent Server Version Server 8-75 Scanned Points. Rockwell compact Logix PLC Hardware in Control Room/Office Building and Interfacing Rockwell compact Logix PLC hardware in the various MCCs/Buildings. To include Programming and integration of SCADA & PLC systems.				
28.9.2			Supply , install, test and commission the full on-site SCADA system as specified	Sum	1		
28.9.3			Allow a sum for a PLC System Integrator for programming of the new PLC in all MCCs and integrating, interfacing and commissioning with new on-site SCADA at the WWTW and existing SCADA systems at UGU Control Room	Sum	1		
28.9.4			Submit the electrical COC for the entire WWTW installations for all buildings and structures	Sum	1		
28.9.5			Provide training for the Plant operations and maintenance staff for the entire WWWT installations for all buildings and structures	Sum	1		
28.10			DOCUMENTATION				
28.10.1			a) Submit As-built Electrical & Instrumentation drawings to the Engineers satisfaction where not measured elsewhere, comprising the following:	Sum	1		
			1 x full set "red line" drawings (hard copy)				
			4 x sets manufacturers and supplier schedules and drawings (hard copy + CD)				
28.10.2			Supply the O & M manuals for the electrical, instrumentation and mechanical installation as specified	Sum	1		
28.10.3			Trenching				
28.10.3.1			a) Trenching 400 wide x 550 deep in pickable to hard ground	m	210		
28.10.3.2			b) Backfilling of above trenches	m	210		
28.10.3.3			c) Cable marker tape	m	190		
28.10.3.4			d) Concrete cable markers	No	20		
TOTAL CARRIED FORWARD TO SUMMARY							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
28.10.4			Sleeves and cable accessories (supply and install)				
28.10.4.1			(a) Supply and install cable warning tape	m	190		
28.10.4.2			(b) Concrete cable markers	No	12		
28.10.4.3			(c) 110Ø uPVC cable sleeves	m	180		
28.10.4.4			(d) 110 Ø 90° PVC bends	No	2		
28.10.4.5			(e) 50Ø uPVC cable sleeves	m	40		
28.10.4.6			(f) 50 Ø 90° PVC bends	No	6		
28.10.4.7			(g) 100mm wide heavy duty galvanised heavy duty cable ladder	m	15		
28.10.4.8			(h) 200mm wide heavy duty galvanised heavy duty cable ladder	m	30		
28.10.5			AIRCON UNITS & EXTRACT FANS				
28.10.5.1			a) Luft or similar and equal approved extract fans type Luft LPA 500/43F 380Volt 2m³/s with WC500 wall cowl cladding	No.	2		
28.10.5.2			b) Create opening in brickwork and side cladding for above fan , patch up, waterproof and make good	No.	2		
28.10.5.3			c) EXE rated extractor fans and cowls similar to as supplied above type Luft 500/43F EXE with WC500 wall cowl above as specified	No.	1		
28.10.5.4			d) Supply and install 18000Btu/hr midwall aircooled aircon split units (Samsung or similar) including condensers, evaporators, remote control, refrigerant piping and control wiring complete (allow for 10m between units and all bluechem treatment)	No	3		
28.10.5.5			e) Connect the ventilation fans to their respective electrical isolators or power points	No.	7		
28.10.5.6			f) Test and commission the aircon units and ventilation fans supplied above	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY							

SECTION: SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION

TOTAL CARRIED FORWARD TO SUMMARY	
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CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 29 : E&M STANDBY GENERATORS AND TRANSFORMERS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 29 : E&M STANDBY GENERATORS AND TRANSFORMERS				
29.1			STAND-BY GENERATORS & TRANSFORMER				
29.1.1			Allow an amount to disconnect, remove, transport to UGU Stores the existing generator in the generator room for Pump Station 4A	Sum	1		
29.1.2			Design, supply, deliver to site and offload the following silent type canopy stand-by diesel generators with fuel tank, change over panel and change-over contactors complete as specified :				
29.1.2.1			a) 650KVA for Margate WWTW (for all pumps , aerators, clarifiers , blowers , etc)	Sum	1		
29.1.2.2			a) 250KVA for Margate Pump Station 4A (for all pumps etc)	Sum	1		
29.1.2.3			c) Supply , deliver to site and rig into position the concrete plints for the above 2 no generators	No	2		
29.1.3			Offload and rig into positions and connect up the above two(2) off new generators	Sum	2		
29.1.4			Allow an amount of R 45 000,00 for the Engineer to attend the generator FAT (including Engineer/s time , flights, travel costs etc)	Sum	1	R 45 000,00	R 45 000,00
29.1.5			Allow for profit and attendance on above item	%	1		
29.1.6			Isolate , disconnect , remove and transport the existing 500kVA 400 Volt transformer at the WWTW site to the UGU Stores	Sum	1		
29.1.7			Design , manufacture and supply the 630kVA 11kV/0,4kV mini-sub as specified for the WWTW power upgrade	Sum	1		
29.1.8			Deliver to the site the transformer supplied above	Sum	1		
29.1.9			Off-load and rig into position the above transformer and connect up	Sum	1		
29.1.10			Provide 3000 liters of diesel for testing and commissioning of the 2 No generators	litre	2500		
29.1.11			Allow an amount to make the application to Eskom to increase the power supply to the site to 630KVA	Sum	1		
29.1.12			Allow an amount to disconnect and relocate the existing bulk electricity panel from the old electrical room to a new room to be constructed	Sum	1		
TOTAL CARRIED FORWARD							

CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 29 : E&M STANDBY GENERATORS AND TRANSFORMERS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
29.1.13			Connect up, test and commission the above new transformer	Sum	1		
29.2			CABLES				
29.2.1			Supply Cables PVC/SWA/PVC/ECC cables per SANS 1507				
29.2.1.1			(a) 1,5mm ² x 14 core ECC	m	80		
29.2.1.2			(b) 95mm ² x 4 core ECC	m	1		
29.2.1.3			(c) 240mm ² x 4 core ECC	m	40		
29.2.2			Installation of above supplied PVC/SWA/PVC/ECC cables per SANS 1507 in ducts , sleeves, cable tray etc				
29.2.2.1			(a) 1,5mm ² x 14 core ECC	m	80		
29.2.2.2			(b) 95mm ² x 4 core ECC	m	40		
29.2.2.3			(c) 240mm ² x 4 core ECC	m	40		
29.2.3			Cable Glands : Rates shall include the termination of cables in distribution boards, MCCs , kiosks etc and equipment per supplier recommended termination detail. To include corrosion proof CCG Corruguard glands, shrouds, lugs and cable numbers.				
29.2.3.1			(a) 1,5mm ² x 14 core ECC	No	8		
29.2.3.2			(f) 95mm ² x 4 core ECC	No	4		
29.2.3.3			(g) 240mm ² x 4 core ECC	No	8		
			Trenching etc.				
29.2.4		SANS1200 DB, PSDB	Trenching 400 wide x 800 deep in pickable to hard ground	m	40		
29.2.5			Backfilling of above trenches	m	40		
29.2.6			Sleeves and accessories (supply and install)				
29.2.6.1			(a) Supply and install cable danger warning tape	m	40		
29.2.6.2			(b) Concrete cable markers	No.	4		
29.2.6.3			(c) 150Ø uPVC cable sleeves	m	4		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 29 : E&M STANDBY GENERATORS AND TRANSFORMERS

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CONTRACT TITLE REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 30 : ELECTRICAL SITE LIGHTING, GENERAL & PROV SUMS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
30			SCHEDULE 30 : ELECTRICAL SITE LIGHTING, GENERAL & PROV SUMS				
30.1			STREETLIGHTING				
30.1.1			(Fed off 10kWp solar system)				
30.1.2			Supply light fittings / luminaries and poles as specified with lamps (refer to project specification for details)				
30.1.3			All lights by TLF Lighting				
30.1.4			a) Type E - 100W LED streetlights with photocell by TLF/Beka with mounting pole brackets	No.	16		
30.1.5			b) Type F - 9,5m galvanised poles	No.	24		
30.1.6			c) Type G - 9,5m galvanised poles with back to back bracket	No.	24		
30.1.7			d) Type H - 60W LED 230V streetlight by TLF/Beka	No.	4		
30.1.8			Install and connect the light fittings and poles supplied above.				
30.1.9			a) Type E - 100W LED streetlights with photocell by TLF/Beka with mounting pole brackets	No.	16		
30.1.10			b) Type F - 9,5m galvanised poles	No.	24		
30.1.11			c) Type G - 9,5m galvanised poles with back to back bracket	No.	24		
30.1.12			d) Type H - 60W LED 230V streetlight by TLF/Beka	No.	4		
30.2			HIGH MAST LIGHTING				
30.2.1			a) Allow a provisional sum for upgrade of the existing high mast or site lighting system	Prov Sum	1	R 2 000 000.00	R 2 000 000.00
30.2.2			b) Allow a % for mark-up on 30.2.1 and attendance on above provisional sum item	%	R 2 000 000.00		
			OTHER				
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 30 : ELECTRICAL SITE LIGHTING, GENERAL & PROV SUMS

TOTAL CARRIED FORWARD

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER: UGU-07-1734-2026
SECTION: SCHEDULE 31: PROVISIONAL ITEMS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
31		SANS 1200A	SCHEDULE 31: PROVISIONAL ITEMS				
			DAYWORKS				
31.1		PS A 8.7	LABOUR				
			Supervision, transport etc. to be included in P&G allowance. Any other allowance to be included in the rate.				
31.1.1			a) Unskilled Labour	hr	200		
31.1.2			b) Semi-skilled Labour	hr	200		
31.1.3			c) Plumber	hr	200		
31.1.4			d) Ganger	hr	200		
31.1.5			e) Electrician	hr	200		
31.1.6			f) Foreman	hr	200		
31.2			PLANT				
31.2.1			a) Grader (CAT 140G or Similar).	hr	150		
31.2.1			b) Track Excavator (CAT 235 or similar).	hr	150		
31.2.2			c) Vibratory Roller (BOMAG 212 or Similar).	hr	150		
31.2.3			d) Pedestrian Roller(Bomag BW 90 or Similar)	hr	150		
31.2.4			e) Water Truck(5000litres)	hr	150		
31.2.5			h) Dewatering pump including generator and accessories (50mm pump, 600 l/m)	hr	150		
31.2.6			i) Water Truck(5000litres)	hr	150		
31.2.7			j) Tipper Truck(10m³)	hr	150		
31.2.8			k) Backhoe TLB (CAT 428 or equivalent).	hr	150		
31.2.9			l) Dewatering pump including generator and accessories (50mm pump, 600 l/m)	hr	150		
31.3			MATERIAL				
31.3.1			Actual cost of materials delivered to site inclusive of transport charges. (supporting invoices to be supplied)	Prov Sum	1	R 1 500 000.00	R 1 500 000.00
31.3.2			Percentage adjustment to item 31.3.1 for materials	%	1500000		
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER: UGU-07-1734-2026
SECTION: SCHEDULE 31: PROVISIONAL ITEMS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD							
31.4		PS A 8.5. (a) 1	COMMUNITY LIAISON OFFICER				
31.4.1		PS A 8.5. (a) 1	Allowance for CLO reimbursement.	Prov Sum	1	R 180 000.00	R 180 000.00
31.4.2		PS A 8.5(a) 2	PSC Meetings Attendance	Prov Sum	1	R 60 000.00	R 60 000.00
31.4.3		PS A 8.5(a) 3	Contractor's markup on item 31.4.1 & 31.4.2	%	R 240 000.00		
31.5			STUDENT IN-SERVICE TRAINING				
31.5.1			Allowance for one Student in-service Training as provided by Client	Prov Sum	1	R 270 000.00	R 270 000.00
31.5.2			Contractor's markup on item 31.5.1	%	270000		
31.6			ENVIRONMENTAL CONTROL OFFICER				
31.6.1			Allowance for provision of an Environmental control officer (ECO)	Prov Sum	1	R 450 000.00	R 450 000.00
31.6.2			Contractor's markup on item 31.6.1	%	450000		
31.7			OCCUPATIONAL HEALTH AND SAFETY				
31.7.1			Allowance for provision of an Occupational Health and Safety Officer (OHSO)	Prov Sum	1	R 360 000.00	R 360 000.00
31.7.2			Contractor's markup on item 31.7.1	%	360000		
31.7.3			Allowance for provision of an Occupational Health and Safety Auditor	Prov Sum	1	R 270 000.00	R 270 000.00
31.7.4			Contractor's markup on item 31.7.3	%	270000		
31.8			SOCIAL FACILITATOR				
31.8.1			Allowance for provision of a Social Facilitator	Prov Sum	1	450 000.00	R 450 000.00
31.8.2			Contractor's markup on item 31.8.1	%	450000		
31.9			PROVISION FOR EPWP				
31.9.1			Extra over sub-item for branding of EPWP PPE	Sum	1	R 50 000.00	R 50 000.00
31.10			PROVISION FOR TRAINING				
31.10.1			General Skills Training	Person days of Training	30		
31.10.2		PS A 8.5 (b) 1	Allowance for CEITS skills training of local labour	Prov. Sum	1	R 800 000.00	R 800 000.00
TOTAL CARRIED FORWARD							

CONTRACT TITLE: REFURBISHMENT AND UPGRADE OF MARGATE STORM-DAMAGED INFRASTRUCTURE, WASTEWATER TREATMENT WORKS AND EFFLUENT MAIN (PHASE 2)
CONTRACT NUMBER: UGU-07-1734-2026
SECTION: SCHEDULE 31: PROVISIONAL ITEMS

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE		AMOUNT
TOTAL BROUGHT FORWARD								
31.10.3		PS A 8.5 (b) 2	Handling cost and profit in respect of sub-item 31.10.1 & 31.10.2 above.	%	800000			
31.10.4			Training Venue (only if required)	Sum	1			
31.10.5			Transport and accomodation of workers for training where it is not possible to undertake the training in close proximity to the site. (provisional sum)	Prov Sum	1	R	10 000.00	R 10 000.00
31.10.6			Handling cost and profit in respect of sub-item 31.10.5 above.	%	10000			
31.11			EXISTING SERVICES					
31.11.1		PS A 8.5	Allow for detection, and re-routing of existing services	Prov Sum	1	R	750 000.00	R 750 000.00
31.11.2		PS A 8.5 (c) 2	Handling cost and profit in respect of sub-item 31.11.1 above.	%	750000			
31.12			SECURITY					
31.12.1		PS A 8.5	Allow for CCTV camera istallation and other related Security Infrastructure	Prov Sum	1	R	750 000.00	R 750 000.00
31.12.2		PS A 8.5 (c) 2	Handling cost and profit in respect of sub-item 31.12.1 above.	%	750000			
31.13			CPG ALLOWANCE					
31.13.1			Provide the Provisional Sum to pay for "Enterprise Development Support" of targeted sub-contractors, on an adhoc basis at the sole discretion of the Client.	Prov Sum	1	R	1 500 000.00	R 1 500 000.00
31.13.2			Handling cost and profit in respect of sub-item 31.13.1 above.	%	1500000			
31.14			GENERAL					
			Tenderer to insert below any items which he wishes specifically to include under the Preliminary and General Section					
31.14.1			a)					
31.14.2			b)					
31.14.3			Topographic Survey	ProvSum	1	R	150 000.00	R 150 000.00
31.14.4			Handling cost and profit in respect of sub-item 31.14.3 above.	%	150000			
31.14.5			Geotechnical Investigation	ProvSum	1	R	150 000.00	R 150 000.00
31.14.6			Handling cost and profit in respect of sub-item 31.14.5 above.	%	150000			
TOTAL CARRIED FORWARD TO SUMMARY								

CONTRACT TITLE: REFURBISHMENT OF MARGATE WASTEWATER TREATMENT WORKS AND SEWER NETWORK (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

ITEM NO	LI	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
			SCHEDULE 32: EXTENSION 3A PUMPSTATION				
32.1		SANS 1200D	EARTHWORKS				
32.2			BULK EXCAVATION				
32.3		8.3.2	Excavate in all material and transport to crusher or spoil. Contractor to crush & grade rock material at crusher site for re-use				
32.4			1) To form terraces	m³	221		
32.5			2) For structures below terrace level	m³	861		
32.6			Restricted excavation				
32.7			1) For foundations	m³	7		
32.8			2) For pipes coming from under structures, up to 3 m deep and 1 m wide	m³	10		
32.9			3) For outlet canal	m³	10		
32.10			4) For column footings	m³	30		
			Extra over for excavating in:				
32.11			Intermediate material	m³	432		
32.12			Hard material using chemical rock breaking or pecker to prevent damage to existing structures	m³	220		
32.13			Hard material using controlled blasting	m³	220		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

TOTAL CARRIED FORWARD				
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CONTRACT TITLE: REFURBISHMENT OF MARGATE WASTEWATER TREATMENT WORKS AND SEWER NETWORK (PHASE 2)
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TOTAL BROUGHT FORWARD							
32.16		SANS1200 GA	CONCRETE				
32.16.1		PSG8.1.1	FORMWORK				
		8.2.1	Rough:				
32.16.1.1			a) Vertical plane walls	m²	150		
		8.2.2	Smooth:				
32.16.1.2			a) Vertical to wall and roof	m²	872		
32.16.1.3			b) Roof support shattering	m²	260		
32.16.1.4			c) Smooth formwork to walls supporting pipes	m²	50		
32.16.1.5			d) Smooth formwork for pump plinths and floor slab	m²	2		
32.16.1.6			e) Smooth formwork for drains	m²	50		
32.16.1.7			f) Narrow widths (up to 300 mm wide):	m²	26		
32.16.2		PSG8.1.2.2 & 8.1.2.3	REINFORCEMENT				
		8.3.1	Mild steel bars:				
32.16.2.1			a) R 10	t	0.1		
		8.3.2	High-tensile steel bars:				
32.16.2.2			a) Y10	t	4.5		
32.16.2.3			b) Y12	t	18		
32.16.2.4			c) Y16	t	18		
32.16.2.5			d) Y20	t	4.5		
		8.3.2	High-tensile welded mesh of:				
32.16.2.6			a) Ref 193	m²	89		
32.16.2.7			b) Ref 245	m²	89		
32.16.2.8			c) Ref 395	m²	45		
TOTAL CARRIED FORWARD							

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TOTAL BROUGHT FORWARD							
32.16.3		8.4 & PSG8.1.3	CONCRETE				
32.16.3.1		8.4.2	Strength concrete, Class 15/19 concrete, blinding layer 75mm thick	m²	10		
		8.4.3	Strength concrete				
			a) Class 20/19 for:				
32.16.3.2			i) Aprons and drains	m²	30		
32.16.3.3			ii) Blinding	m²	10		
			b) Class 25/19 for:				
32.16.3.4			i) Surface Slabs	m²	44		
32.16.3.5			ii) Roof slab	m²	53		
32.16.3.6			iii) Foundation footings	m²	33		
32.16.3.7			iv) Foundation	m²	25		
			c) Class 30/19 for:				
32.16.3.8			i) Walls	m²	200		
32.16.3.9			ii) Floor slab	m²	24		
32.16.3.10			iii) Beams	m²	37		
			d) Class 35/19 for:				
32.16.3.11			i) Slabs	m²	50		
		PSG8.4.4	Unformed surface finishes:				
		8.4.4 (a)	a) Wood-floated finish				
32.16.3.12			i) Footings and foundation	m²	34		
		8.4.4 (b)	b) Steel-floated finish				
32.16.3.13			i) Floor	m²	10		
32.16.3.14			ii) Beams	m²	34		
32.16.3.15			iii) Roof	m²	10		
TOTAL CARRIED FORWARD							

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TOTAL BROUGHT FORWARD						
			Steel float finish to concrete pump bases.			
32.16.3.16			a) Steel float finish to concrete channel.	m	63	
32.16.3.17			b) Power float finish to pump house floor slab	m²	133	
32.16.3.18			c) Steel float to wall narrow widths	m	25	
32.16.3.19			d) Wood float to concrete apron and verandah area	m²	17	
32.16.3.20			e) Wood float to concrete roof slab	m²	265	
32.16.3.21			f) Wood float finish to concrete piers	m²	20	
32.16.4		PSG8.5	JOINTS			
32.16.4.1			a) Two parts grey polysulphide sealant in floor/plinth joint 10mm x 10mm including 13mm bituminous impregnated softboard up to 200mm deep	m	23	
32.16.4.2		PSG8.12	b) Construction joint to include 10mm thick jointex with 10x 10mm tear off strip and 10 x 10mm approved sealant with polyethelene bond break backing tape, along concrete apron & verandah.	m	66	
32.16.4.3			c) Saw cut joint 3mm x 35mm cleaned out with compressed air and filled with backing chord & 6mm x6mm polysulphide sealer	m	80	
32.16.4.4			d) Slip joint between wall and roof slab, two layers tempered hardboard smooth faces together and graphite greased	m	42	
		PSG8.9	Casting items in concrete:			
32.16.4.5			a) Up to 300 mm nominal bore in up to 300 mm thick concrete	No	18	
32.16.4.6			b) Over 300 mm up to 600 mm nominal bore in up to 300 mm thick concrete	No	2	
TOTAL CARRIED FORWARD						

SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

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TOTAL BROUGHT FORWARD							
		PA	SUPERSTRUCTURE				
32.17			BRICKWORK				
32.17.1.1		PA - 4.1	Brickwall, 330 mm thick cavity wall, clay facebrick in class 1 mortar "Corobrick Fire Light Satin" or similar approved (include hot dipped galvanised wall ties)	m²	154		
32.17.1.2			One brickwall in NFX bricks	m²	40		
32.17.1.3			150mm wide brick reinforcement built in horizontally every third course	m	200		
32.17.1.4			Brick on edge header course over door and window openings	m	28		
		PA - 4.1.2	Air bricks				
32.17.1.5			230 x 152 clay vermin proof built in	No	16		
32.17.1.6			233 mm x 175 plastic air vent built in	No	16		
32.17.1.7			Pre-cast concrete lintels above doors and windows built in 330 wide x 100mm thick x 2100 mm long	No	16		
32.17.1.8			Fibre cement window sills 150 x 10 mm to in side face of windows.	m	21		
32.17.2		PA - 4.17	WATERPROOFING				
32.17.2.1		PA4.4	One layer of 375 micron damp proof course 330mm wide in walls	m	22		
32.17.2.2			250 micron USB Green Water proof sheeting under surface beds	m²	121		
32.17.2.3			4mm ABE index argo torch-on waterproofing system applied to smooth concrete as per manufacture's specifications (Include for hot applied slate granules-to act as mineral self protection	m²	56		
32.17.2.4			Supply and install water stop bar at kickers as per drawing	m	50		
32.17.3		PB 12	METALWORK				
32.17.3.1			D.V. steel door frame and double transformer steel door, 2040W x 3065 H fully louvred Type M, complete with suitable 3 lever lockset built into walls with galvanised vermin proof mesh on the inside (as shown on drawings)	No	1		
32.17.3.2			Extra over 6.6.1 for purpose made opening 300 x 150mm to permit removal of pumps by use of gantry, including locking device as shown on the drawings	No	1		
32.17.3.3			Supply and build in Industrial windows type BLU, 2100 x 600mm with pressed steel louvres and galvanised vermin proof mesh on the inside	No	5		
TOTAL CARRIED FORWARD							

SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

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SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

TOTAL CARRIED FORWARD	
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TOTAL BROUGHT FORWARD						
		SABS 1200 DB	EARTHWORKS (Pipe Trenches)			
32.18.1.10		8.3.2	EXCAVATIONS			
		8.3.1 (a)	Excavate in all materials for trenches, backfill, compact and dispose of surplus material for pipes up to 500 mm dia			
32.18.1.10.1			a) Exceeding 0,0 m but not exceeding 1,0 m	m	5	
32.18.1.10.2			b) Exceeding 1,0 m but not exceeding 2,0 m	m	10	
32.18.1.10.3			c) Exceeding 2,0 m but not exceeding 3,0 m	m	60	
32.18.1.10.4			d) Exceeding 3,0 m but not exceeding 4,0 m	m	50	
32.18.1.10.5			e) Exceeding 4,0 m but not exceeding 5,0 m	m	25	
		8.3.1 (c)	Extra-over items 32.18.1.10.1 to 32.18.1.10.5 included for:			
32.18.1.10.6			a) Intermediate excavation	m ²	10	
32.18.1.10.7			b) Hard rock excavation	m ²	5	
32.18.1.10.8			c) Boulder excavation Class A	m ²	3	
32.18.1.10.9			d) Boulder excavation Class B	m ²	3	
TOTAL CARRIED FORWARD TO SUMMARY						

CONTRACT TITLE: REFURBISHMENT OF MARGATE WASTEWATER TREATMENT WORKS AND SEWER NETWORK (PHASE 2)
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TOTAL BROUGHT FORWARD						
		PS DB 8.3.3.1	Make-up deficiency in backfill material			
32.18.1.11		8.3.3.1(a)	From other necessary excavations on site	m³	40	
		8.3.4	Shoring of trenches			
			Opposite existing pipe service where instructed by Employer's Agent in the following depth categories:			
32.18.1.12		a)	Exceeding 0.0m but not exceeding 2.0 m.	m	135	
32.18.1.13		SABS 1200 L	MEDIUM PRESSURE PIPELINES			
			Allowance for GRP pipe to replace/make good damaged sections of the existing pipeline identified during conditional assessment			
			*GRP Pipes Note: Unless otherwise specified, all GRP pipes and specials in this section shall be SN5000, PN 16, Plain ended (Flowtite or similar approved)			
32.18.1.13.1			500mm diameter pipe plain ended (flowtite or similar approved) complete with reka couplings (one coupling per length)	m	75	
			GRP Bends, 500mm			
32.18.1.13.2			1) up to 10'	No	3	
32.18.1.13.3			2) over 10' and up to 30'	No	3	
32.18.1.13.4			3) over 30' and up to 60'	No	3	
32.18.1.13.5			4) over 60' and up to 90'	No	3	
			EXISTING RISING MAIN			
32.18.1.14		8.2.8	Recover existing GRP pipe from trench	m	75	
32.18.1.15			Connect new GRP pipe and make good	No	2	
			Steel Pipes Note: Unless otherwise specified, all steel pipes and specials in this section shall be API 5L steel pipe with a wall thickness as specified below. All pipes and specials shall be 3LPE coated (fusion bonded epoxy (FBE), or similar approved by engineer) and lined (coal tar epoxy, such as bitumastic 300, or similar approved by engineer) in accordance with the requirements of the specifications. Pipes to be supplied in 6 or 12m lengths on application. All pipes to be flanged both ends (FBE)			
			Supply, handle, lay, bed and joint steel pressure pipe in accordance with specifications for the following diameters:			
			500mm diameter (Grade X42) mild steel pipe 4.5mm wall thickness			
32.18.1.16		a)	500 mm dia	m	75	
		8.2.2	Extra Over for Item (a) above			
32.18.1.18		i)	500mm dia VJ Coupling (denso wrapped to suit) GRP and Steel Pipe	No	2	
		ii)	Steel Bends, 500mm diameter x 4.5mm wall thickness			
TOTAL CARRIED FORWARD TO SUMMARY						

CONTRACT TITLE: REFURBISHMENT OF MARGATE WASTEWATER TREATMENT WORKS AND SEWER NETWORK (PHASE 2)

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SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

TOTAL BROUGHT FORWARD						
32.18.1.19			1) Gussetted bends over 60° up to and including 90° - three mitre, 4 segment.	No	3	
32.18.1.20			2) Gussetted bends over 30° up to and including 60° - two mitre, 3 segment.	No	1	
32.18.1.21			3) Gussetted bends over 10° up to and including 30° - one mitre, 2 segment.	No	3	
32.18.1.21			4) Field mitres of up to 11.25 deg for 500mm dia pipe	No	2	
32.18.1.22			iii) Supply and weld of 500mm dia steel pipe flanges, class PN16 (including removal of existing blank flange on existing rising main)	No	2	
32.18.1.23			iv) Extra over item: Flanges to suit steel pipe for 500mm dia	No	14	
32.18.1.24			Extra - over item for the supply, fixing and testing of valves	Sum	1	
32.18.2.26			Pipeline markers	No	30	
			Pressure Test			
			Supply and install temporary blank flanges and/or spade pieces etc., provide temporary anchorage and pressure test the following sections of pipeline			
32.18.2.27			500mm diameter pipeline (approx. 1780 m)	Sum	1	
			Inspection of the Line			
32.18.2.28			CCTV inspection of the rising main to assess integrity of the line	m	1 700	
TOTAL CARRIED FORWARD TO SUMMARY						

SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

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SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

TOTAL BROUGHT FORWARD						
32.19			PUMP STATION MECHANICAL WORKS			
32.19.1			Design , supply , manufacture , deliver , offload , install , connect up, test and commission, guarantee and maintaining the pumping plant and associated equipment to UGU DM standards and to the relevant SANS, BS or other recognised codes and standards			
32.19.2			Make safe, disconnect, remove, lift or load , transport and deliver the existing pump sets, motors and associated equipment to UGU Stores and offload as follows :			
32.19.3			a) Pump Duty Point: Flow = 155 l/s, Head = 105m, 400 Volt Power, Three Phase, 4 Pole Motor, Cast iron construction,Grundfos (S2.90.300.3150.4.74S.D550.G.N.D.51D), or Similar Approved(225kW motors)	No	3	
32.19.4			Install, connect up and alignment of the new pump sets supplied above as follows :			
32.19.5			Sewer pumps at Margate Pump Station	No	3	
32.19.6.1			Manufacture, supply and deliver the immersible type sewage sump pumps in each of the dry wells for each of the above pump stations. To include all fittings , 10m cabling, NRV, float switches for auto start and stop and 10m of flexible hose to pump into wet well. Pump to be installed in 500x500x500 deep sump - Duty of pump : 5l/s at 10 m head (TRC)	Sum	1	
32.19.6.2			Install and connect up the sump pumps supplied above	Sum	1	
			Supply, install and connect up the following ancillary equipment :			
			Supply, install and connect up the following ancillary equipment :			
32.19.6.3			a) Wika or similar pressure gauges 0 - 500kPA complete with piping, backing board etc	No	2	
32.19.6.4			b) Wika or similar pressure gauges 0 - 1000kPA complete with piping, backing board etc	No	2	
32.19.6.5			c) ½" BSP sockets with stop-cocks welded on steel pipework	No	4	
32.19.6.6			SAT - Test and commission the following pump sets supplied above :			
32.19.6.7			c) Sewer pumps at Margate Pump Station	Sum	1	
			Assist with testing of the pumping systems and rising mains for the following :			
32.19.6.8			a) Margate Pump Station 3A rising mains and electrics & controls	Sum	1	
32.19.6.9			Test and commission the sump pumps supplied above in each of the above pump stations	Sum	1	
32.19.6.10			Design and submit technical specifications and detailed dimensioned drawings for all the pump sets supplied above	Sum	1	
			Design and submit layout drawings of the pump sets and pipework & valve details and layout drawings for each of the pump stations as follows :			
32.19.6.11			Margate Pump Station	Sum	1	
32.19.6.12			Prepare and submit test and commissioning data sheets for all the above pump stations	Sum	1	
32.19.6.13			Submit the O & M manuals for all the above pump stations as specified	Sum	1	
TOTAL CARRIED FORWARD TO SUMMARY						

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TOTAL BROUGHT FORWARD							
32.19.6.14		Allow an amount for the FAT for the pumps for the Engineer and Client to attend for witness tests at the manufacturer's premises as follows (to include all costs, flights , car hire , accommodation etc) :	Prov Sum	1	R	750 000.00	R 750 000.00
32.19.6.15		Allowance for profit on item above 32.19.6.14	%	750 000			
32.19.6.16		Provide training for the UGU Plant operations and maintenance staff for the entire pumping system for all the 4 pump stations and WTW	Sum	1			
32.19.6.17		Provide all labels and signs for all pumps and all pump stations	Sum	1			
32.19.6.18		Allow a provisional sum of R 100 000,00 for any unforeseen work the amounts of which are to be used entirely at the discretion of the Engineer and Client	Prov Sum	1	R	100 000.00	R 100 000.00
32.19.6.19		Allow for profit and attendance on provisional sum above 32.19.6.18	%	100 000			
32.19.6.20		Provide the O & M manuals in comprehensive format as specified for all the pump stations	Sum	1			
		Any other items the tenderer considers has been omitted and which requires separate pricing as follows :					
32.19.6.21		a)					
32.19.6.22		b)					
		PUMPSTATION PIPEWORK AND FITTINGS					
		Pump Station (PS):					
32.19.6.23		Supply equipment, ex manufacturing works at contractor's premises, including tests in factory					
32.19.6.23.1		Supply and installed assembled pipe fitting required for pump installation coupling, baseframe and coupling guard	No.	3			
32.19.6.23.2		Supply and install discharge piping system including discharge manifold and including gaskets, nuts, bolts, support brackets, and sundry materials, but excluding items measured below. All to be 300mm diameter 304SS PN16	Item	3			
32.19.6.23.3		Isolating valve	No.	6			
32.19.6.23.4		Non-return valve	No.	3			
32.19.6.23.5		Flow switch	No.	3			
32.19.6.23.6		Pressure guage, including fittings	No.	3			
32.19.6.23.7		Air release valve	No.	3			
32.19.6.23.8		Surge anticipating valve, including isolating valve and dischrge pipe (5m)	Item	3			
32.19.6.23.9		Suction piping systems including including gaskets, nuts, bolts support brackets, and sundry materials,					
32.19.6.24		PIPE WORK AND FITTINGS					
		All pipework is to be stainless steel, grade 304, PN 16 unless otherwise stated					
		BEF = both ends flanged					
		OEF = one end flanged					
		PF = puddle flange					
		PE = plain ended					
TOTAL CARRIED FORWARD TO SUMMARY							

SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

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TOTAL BROUGHT FORWARD						
			PROVISIONAL SUMS			
32.19.6.25			Allowance for sump for dewatering of pumpstation	Prov Sum	1	R 25 000.00
32.19.6.26			Allow for profit and attendance on the above provisional sum	%	25000	
32.19.6.27			Allowance for CCTV installation	Prov Sum	1	R 50 000.00
32.19.6.28			Allow for profit and attendance on the above provisional sum	%	50 000	
32.19.6.29			Allowance for rodent control and protection	Prov Sum	1	R 100 000.00
32.19.6.30			Allow for profit and attendance on the above provisional sum	%	100 000	
32.19.6.31			Allowance for Fencing	Prov Sum	1	R 285 000.00
32.19.6.32			Allow for profit and attendance on the above provisional sum	%	285 000	
32.19.6.33			Allowance for earthworks, Paving and Retaining Wall	Prov Sum	1	R 180 000.00
32.19.6.34			Allow for profit and attendance on the above provisional sum	%	180 000	
32.19.7			PUMPSTATION ELECTRICAL AND INSTRUMENTATION			
			MAIN POWER CABLE RETICULATION SYSTEM			
			Note : All items are re-measurable and only items installed or equipment required can be claimed for payment			
			CABLES			
			Supply , installation and termination of copper PVC/SWA/PVC/ECC cables per SANS 1507. Laid in ducts, trenches, sleeves, horizontal racks or vertical ducts. Rates shall include the supply and fixing of supports with regard to installation of cables complete. Rates shall include PVC cable ties as required including termination. Trenching measured elsewhere			
32.19.7.1			a) Supply Cables PVC/SWA/PVC/ECC cables per SANS 1507			
32.19.7.1.1			(1) 1.5mm ² x 3 core ECC	m	20	
32.19.7.1.2			(2) 1.5mm ² x 4 Core ECC	m	50	
32.19.7.1.3			(3) 2.5mm ² x 4 core ECC	m	45	
32.19.7.1.4			(4) 2.5mm ² x 14 core ECC	m	30	
32.19.7.1.5			(5) 35mm ² x 4 core ECC	m	50	
32.19.7.1.6			(6) 50mm ² x 3 core ECC	m	35	
32.19.7.1.7			(7) 50mm ² x 4 core ECC	m	20	
32.19.7.1.8			(8) 95mm ² x 4 core ECC	m	30	
32.19.7.1.9			(9) 120mm ² x 4 core ECC	m	50	
32.19.7.1.10			(10) 150mm ² x 4 core ECC	m	50	
32.19.7.1.11			(11) 185mm ² x 4 core ECC	m	90	
32.19.7.1.12			(12) 240mm ² x 4 core ECC	m	190	
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32.19.7.2			b) Installation of above supplied PVC/SWA/PVC/ECC cables per SANS 1507 in ducts , sleeves, cable tray etc			
32.19.7.2.1			(1) 1.5mm ² x 3 core ECC	m	20	
32.19.7.2.2			(2) 1.5mm ² x 4 Core ECC	m	50	
32.19.7.2.3			(3) 2.5mm ² x 4 core ECC	m	45	
32.19.7.2.4			(4) 2.5mm ² x 14 core ECC	m	30	
32.19.7.2.5			(5) 35mm ² x 4 core ECC	m	50	
32.19.7.2.6			(6) 50mm ² x 3 core ECC	m	35	
32.19.7.2.7			(7) 50mm ² x 4 core ECC	m	20	
32.19.7.2.8			(8) 95mm ² x 4 core ECC	m	30	
32.19.7.2.9			(9) 120mm ² x 4 core ECC	m	50	
32.19.7.2.10			(10) 150mm ² x 4 core ECC	m	50	
32.19.7.2.11			(11) 185mm ² x 4 core ECC	m	90	
32.19.7.2.12			(12) 240mm ² x 4 core ECC	m	190	
32.19.7.3			c) Cable Glands : Rates shall include the termination of cables in distribution boards, MCCs , kiosks etc. and equipment per supplier recommended termination detail. To include glands, shrouds, lugs and cable numbers.			
32.19.7.3.1			(1) 1.5mm ² x 3 core ECC	No	7	
32.19.7.3.2			(2) 1.5mm ² x 4 Core ECC	No	7	
32.19.7.3.3			(3) 2.5mm ² x 4 core ECC	No	9	
32.19.7.3.4			(4) 2.5mm ² x 14 core ECC	No	9	
32.19.7.3.5			(5) 35mm ² x 4 core ECC	No	5	
32.19.7.3.6			(6) 50mm ² x 3 core ECC	No	5	
32.19.7.3.7			(7) 50mm ² x 4 core ECC	No	15	
32.19.7.3.8			(8) 95mm ² x 4 core ECC	No	15	
32.19.7.3.9			(9) 120mm ² x 4 core ECC	No	20	
32.19.7.3.10			(10) 150mm ² x 4 core ECC	No	20	
32.19.7.3.11			(11) 185mm ² x 4 core ECC	No	20	
32.19.7.3.12			(12) 240mm ² x 4 core ECC	No	20	
			TRENCHING etc			
32.19.7.4		SANS1200 DB, PSDB	(a)Trenching 400 wide x 550 deep in pickable to hard ground	m	150	
32.19.7.4.1			(b)Backfilling of above trenches	m	150	
			Sleeves and accessories (supply and install)			
32.19.7.4.2			(a) Supply and install cable warning tape	m	200	
32.19.7.4.3			(b) Concrete cable markers	No.	8	
32.19.7.4.4			(c) 110Ø uPVC cable sleeves	m	20	
32.19.7.4.5			(d) 110 Ø 90° PVC bends	No.	4	
32.19.7.4.6			(e) Coring 100 Ø holes through 200mm concrete	No.	8	
TOTAL CARRIED FORWARD TO SUMMARY						

CONTRACT TITLE: REFURBISHMENT OF MARGATE WASTEWATER TREATMENT WORKS AND SEWER NETWORK (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

TOTAL BROUGHT FORWARD						
32.19.7.4.7		(f) 50 and 75 Ø uPVC cable sleeves	m	20		
32.19.7.4.8		(g) 50 and 75 Ø 90° PVC bends	No.	4		
32.19.7.4.9		(h) 160 dia uPVC cable sleeves	m	40		
32.19.7.4.10		(i) 160 dia 90° PVC bends	No.	8		
32.19.7.4.11		(j) Assist civil contractor with setting out and co-ordination of the construction of the sleeves and manholes on site where required	Sum	1		
		SMALL POWER DISTRIBUTION BOARDS, MCC & ANCILLARIES				
		MOTOR CONTROL PANELS				
		Supply and install distribution boards, motor control panel etc. complete with doors where applicable, frames, subframes, chassis, fixtures, fittings, circuit breakers spare space, busbar etc. as per specifications and drawings/schematics where provided to SANS 1765 (to include contractor to provide wiring diagrams , PLC I/O lists and wiring diagrams , loop diagrams etc as specified)				
32.19.7.5		a) MCC 13 - Pump Station Margate	Sum			
32.19.7.6		g) Factory Acceptance tests (FAT) for all the above MCCs, electrical panels, DB's, etc. supplied above including for costs for Engineer to attend (paid directly for Engineer costs)	Sum	1		
32.19.7.7		h) Allow a provisional sum of R 55 000,00 for the Engineer to attend all FATs for all motor control panels and other electrical and associated equipment (paid directly for Engineer costs)	Prov Sum	1	R	55 000.00 R 55 000.00
32.19.7.8		i) Allow for profit and attendance on provisional sum above 32.19.7.7		%		
32.19.7.9		j) Allow a sum to prepare wiring diagrams and component lists for comment and approval for all MCC's, electrical panels, DB's etc. supplied above.	Sum	1		
32.19.7.10		k) Allow a sum to prepare the FDS, P & ID diagrams, I/O lists and wiring diagrams, instrument loop diagrams, cable schedule and block diagrams, network and process diagrams etc complete for all MCCs , control , automation and PLC systems ,etc supplied above as specified for the entire project for pump station	Sum	1		
32.19.7.11		CABLE TRAYS & ACCESSORIES				
		Supply and installation of heavy duty hot dipped galvanized perforated cable tray with 76mm high turn including splicers etc. The rate shall include for the fixing of cable tray against walls in a horizontal position from the soffit above by means of M8mm threaded metal rods hangers with anchor bolts at intervals not exceeding 1000mm.				
32.19.7.11.1		a) 100mm cable trays straight	m	40		
32.19.7.11.2		b) 100mm cable tray bend and tees	No.	4		
32.19.7.11.3		c) 150mm cable trays straight	m	40		
32.19.7.11.4		d) 150mm cable tray bend and tees	No.	4		
32.19.7.11.5		e) 200 mm cable ladder	m	40		
32.19.7.11.6		f) 200mm cable ladder bends	No.	4		
32.19.7.11.7		g) 300 mm cable ladder	m	40		
TOTAL CARRIED FORWARD TO SUMMARY						

CONTRACT TITLE: REFURBISHMENT OF MARGATE WASTEWATER TREATMENT WORKS AND SEWER NETWORK (PHASE 2)

CONTRACT NUMBER UGU-07-1734-2026

SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

TOTAL BROUGHT FORWARD						
32.19.7.11.8			h) 300mm cable ladder bends	No.	4	
32.19.7.12			ISOLATORS FOR ANCILLIARY EQUIPMENT			
			Supply, installation and connection of isolator in IP65 slide extension box complete with box			
32.19.7.12.1			a) 20 Amp 3 pole	No.	4	
32.19.7.12.2			b) 30 Amp 3 pole	No.	4	
32.19.7.12.3			c) Emergency Stop buttons + stands corrosion proof s/steel	No.	1	
32.19.7.13			Supply and install the following instrument cabling and terminations. Ethernet cabling to be CAT6E industrial grade			
32.19.7.13.1			d) 1.5 mm² Twisted pair cables - 6 Core	m	90	
32.19.7.13.2			e) 1.5 mm² Twisted pair cables - 6 Core Terminations	No.	20	
32.19.7.13.3			f) Modbus cabling	m	40	
32.19.7.13.4			g) Modbus terminations/ends	No.	8	
32.19.7.13.5			h) Fibre optic cabling 6 pair single mode	m	25	
32.19.7.13.6			i) Fibre optic cabling terminations/splicing	No.	4	
32.19.7.13.7			j) Cable baskets - 150mm	m	20	
32.19.7.13.8			k) Weatherproof termination boxes for pump station instruments with DIN rail, terminals etc.)	No.	16	
32.19.7.13.9			l) Weatherproof termination boxes with DIN rail, terminals and surge protection arrestors for flow meter cabling	No.	2	
			INSTRUMENTATION, SCADA & PLC SYSTEM			
			INSTRUMENTATION			
			Instrumentation to be as per drawings, schematics, loop diagrams and to comply with UGU DM or industry standard specifications. Instrumentation to include all necessary sensors, transmitters, controllers and accessories to provide thorough and accurate analysis/control. All Instrumentation to be MODBUS ready unless otherwise stated. Instrumentation make & model to be same or equivalent and to be approved by the Engineer prior to purchase.			
32.19.7.14			a) IFM or similar and equal approved level transmitter with transducer/sensor (0-10m Range) with 10m cabling including mounting brackets, mounting arms and all other necessary accessories (Transmitter installed in MCC or in separate panel in buildings/pump stations)	No.	1	
32.19.7.15			b) Siemens or similar approved M200 or similar and equal approved ultrasonic level transmitter (0-10m range) complete with Siemens Echomax XPS0-101 R sensor , remote transmitter with mounting brackets, mounting arms amd all necessary accessories. (linked to PLC)	No.	1	
32.19.7.16			c) Limit switch AC/DC or similar approved	No.	1	
32.19.7.17			d) Supply and install the IFM or similar and equal approved electronic no-flow switches with half inch sockets welded to pump delivery pipe as specified (for new raw water and other pumps)	Sum	2	
32.19.7.18			e) Supply and install low level cut-out float switches in sumps with s/s chain, weights etc as specified	No.	1	
32.19.7.19			f) Supply and install level electrodes in sumps for low level cut-out of pumps as specified	No.	1	
TOTAL CARRIED FORWARD TO SUMMARY						

CONTRACT TITLE: REFURBISHMENT OF MARGATE WASTEWATER TREATMENT WORKS AND SEWER NETWORK (PHASE 2)
 CONTRACT NUMBER UGU-07-1734-2026
 SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

TOTAL BROUGHT FORWARD						
		GENERATOR				
32.19.7.20		(a) Supply and installation of a 650KVA Standby generator approved by the Engineer. Rate to include for a full tank of fuel at handover to the client	Sum	1		
		Make and Model (Contractor to Provide)				
		Make:.....				
		Model:.....				
		PROVISIONAL SUMS				
32.19.7.21		Allowance for earthing & Lightning protection	P.Sum	1	R	200 000.00 R 200 000.00
32.19.7.22		Contractors Mark-up on item above 32.19.7.21	%	200 000		
		LIGHTING, SMALL POWER & SOCKET INSTALLATION				
32.19.7.23		LIGHTING, SMALL POWER & SOCKETS				
32.19.7.23.1		Supply and install the following :				
32.19.7.23.2		a) Flush 1 lever light switch	No.	4		
32.19.7.23.3		b) Surface 1 lever light switch	No.	8		
32.19.7.23.4		c) Flush 16A Switched socket outlet	No.	1		
32.19.7.23.5		d) Surface 16A Switched socket outlet	No.	8		
32.19.7.23.6		e) 16A Switched socket outlet industrial type surface	No.	4		
32.19.7.23.7		f) Weatherproof termination boxes CCG Corruguard or similar for actuated valves and instruments with terminals	Sum	4		
32.19.7.23.8		g) Surface 2 way light switch	No.	4		
32.19.7.23.9		h) 20A DP 2 pole isolators for air-conditioning units and extract fans.	No.	4		
32.19.7.23.10		i) 32 TP +N and earth welding socket plug surface Ampco or similar approved (cable measured elsewhere)	No.	4		
32.19.7.23.11		j) 10A DP surface weatherproof rotary lockable isolators	No.	4		
32.19.7.23.12		k) 10A TP surface weatherproof rotary lockable isolators	No.	4		
32.19.7.23.13		l) 20A TP +N and earth isolators	No.	4		
32.19.7.23.14		m) Photo cell wall mounted	No.	4		
32.19.7.24		PLUG & LIGHT POINTS etc				
32.19.7.24.1		(Flush & surface including conduits, bends, boxes, wiring, cabling etc. complete)				
32.19.7.24.2		Isolate, safely disconnect , remove and transport the following existing damaged electrics to UGU Stores				
32.19.7.24.3		a) Light fittings (all types)	No	40		
32.19.7.24.4		b) Power & plug points , isolators and other power points (all)	No	40		
32.19.7.24.5		c) Level sensors, floats , flow meters, flow switches and other instruments	No	32		
TOTAL CARRIED FORWARD TO SUMMARY						

CONTRACT TITLE: REFURBISHMENT OF MARGATE WASTEWATER TREATMENT WORKS AND SEWER NETWORK (PHASE 2)
 CONTRACT NUMBER UGU-07-1734-2026
 SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

TOTAL BROUGHT FORWARD						
32.19.7.24.6		d) Conduits, wiring etc complete	m	160		
32.19.7.24.7		e) All cables	Sum	1		
32.19.7.25		b) Supply and install the following circuit breakers in the existing main panel or MCCs including making openings and modifying the face plate, connections, wiring etc.				
32.19.7.25.1		1) 10 -20 Amp SP	No.	4		
32.19.7.25.2		2) 20 Amp TP	No.	4		
32.19.7.25.3		3) 80 - 100 Amp TP	No.	4		
32.19.7.26		c) Conduits , fittings , wiring, saddles , accessories etc complete for all the structures and building lighting and power points				
32.19.7.26.1		1) 20 dia PVC conduit	m	40		
32.19.7.26.2		2) 25 dia PVC conduit	m	40		
32.19.7.26.3		3) 20 dia galvanised bosal conduit	m	160		
32.19.7.26.4		4) 25 dia galvanised conduit	m	80		
32.19.7.26.5		5) 100 x50 galvanised box with cover	No.	40		
32.19.7.26.6		6) 100 x 100 galvanised box with cover	No.	40		
32.19.7.26.7		7) 20/25 dia round boxes with cover 1-3 way	No.	60		
32.19.7.26.8		8) 1,5mm ² wires	m	200		
32.19.7.26.9		9) 2,5mm ² wires	m	200		
32.19.7.26.10		10) 4mm ² wires	m	200		
32.19.7.26.11		11) 16mm ² wires	m	120		
32.19.7.26.12		12) 40 x 40 galvanised trunking with covers fixed to wall or suspended from roof or trusses	m	160		
32.19.7.27		Supply light fittings / luminaries and poles as specified with lamps (refer tp project specification for details)				
32.19.7.27.1		a) Type A - 1,5m 2 Tube 2 x 30W LED corrosion proof	No.	32		
32.19.7.27.2		b) Type B - Surface Bulkhead Aluminium with glass bowl 1 x 18W LED	No.	16		
32.19.7.27.3		c) Type D - Floodlight with aluminium body 1 x 100W LED	No.	16		
		d) Install and connect the light fittings and poles supplied above.				
32.19.7.27.4		1) Type A	No.	32		
32.19.7.27.5		2) Type B	No.	16		
32.19.7.27.6		3) Type D	No.	16		
		e) Cable joints for existing lights or other cables				
32.19.7.27.7		1) 25mm ² x 4C	No.	2		
32.19.7.27.8		2) 16mm ² x 4C	No.	2		
TOTAL CARRIED FORWARD TO SUMMARY						

CONTRACT TITLE: REFURBISHMENT OF MARGATE WASTEWATER TREATMENT WORKS AND SEWER NETWORK (PHASE 2)
 CONTRACT NUMBER UGU-07-1734-2026
 SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

TOTAL BROUGHT FORWARD						
32.19.7.28			FIRE PROTECTION INSTALLATION			
			Supply and install the following Fire Protection Equipment:			
32.19.7.28.1			a) 9 kg DCP fire extinguisher	No.	4	
32.19.7.28.2			b) 5 kg CO2 fire extinguisher	No.	1	
32.19.7.28.3			c) Photo luminescent and standard FE signs	No.	4	
32.19.7.28.4			d) Warning - machine starts automatically signage	No	4	
32.19.7.28.5			e) Warning - electricity danger and no entry signage	No	4	
32.19.7.28.6			f) Number plate type signage and labels for large pumps	No	10	
32.19.7.28.7			g) Lump sum labelling for all other equipment etc complete	Sum	1	
32.19.7.28.8			h) All other standard and statutory signage ,labels and notices deemed necessary	Sum	1	
			SECTION: ELECTRICAL AND INSTRUMENTATION GENERAL ITEMS			
			OTHER			
32.19.7.29			a) All other equipment and materials not measured elsewhere but necessary for complete a working installation (specify seperately)	Sum	1	
32.19.7.30			b) Labelling of all switches, switchgear and equipment as specified for pump station.	Sum	1	
			TESTING AND COMMISSIONING			
32.19.7.31			Test and commission the complete Electrical & Instrumentation installation as specified for pump station comprising the following:	Sum	1	
			a) Develop Site Acceptance Test (SAT) Schedule			
			b) Draft submission to Engineer			
			c) Revisions as required			
			d) Contractor's testing (labour and special test requirements)			
			e) Conduct FAT under Engineer's Supervision			
			f) Conduct SATs under Engineer's Supervision			
			g) Issue Final Certificate of Compliance (COC)			
			DOCUMENTATION			
32.19.7.32			a) Submit As-built Electrical & Instrumentation drawings to the Engineers satisfaction where not measured elsewhere, comprising the following for pump station :	Sum	1	
			1 x full set "red line" drawings (hard copy)			
			4 x sets manufacturers and supplier schedules and drawings (hard copy + CD)			
32.19.7.33			b) Submit M E & I Operation & Maintenance Manuals to the Engineers satisfaction, comprising the following for pump station :	Sum	1	
			4 x sets manufacturers and supplier schedules, operation and maintenance manuals and drawings (hard copy + electronic CD)			
TOTAL CARRIED FORWARD TO SUMMARY						

SECTION: SCHEDULE 32: EXTENSION 3A PUMPSTATION

[illegible]

C2.2 BILL OF QUANTITIES

SUMMARY OF BILL OF QUANTITIES

SCHEDULE 1: GENERAL.....	R.....
SCHEDULE 2: EARTHWORKS (PIPE TRENCHES).....	R.....
SCHEDULE 3: BEDDING (PIPES).....	R.....
SCHEDULE 4: SEWERS.....	R.....
SCHEDULE 5: GABIONS AND PITCHING.....	R.....
SCHEDULE 6: PIPE JACKING	R.....
SCHEDULE 7: SEWER HOUSEHOLD CONNECTIONS.....	R.....
SCHEDULE 8: AREATION BASIN.....	R.....
SCHEDULE 9: UPPER INLET.....	R.....
SCHEDULE 10: LOWER INLET.....	R.....
SCHEDULE 11: MEDIUM PRESSURE PIPELINES.....	R.....
SCHEDULE 12: WWTW EARTHWORKS (PIPE TRENCHES).....	R.....
SCHEDULE 13: BEDDING (PIPES).....	R.....
SCHEDULE 14: SECONDARY SEDIMENTATION TANKS.....	R.....
SCHEDULE 15: CONCRETE STRUCTURAL	R.....
SCHEDULE 16: SST STRUCTURAL STEELWORK.....	R.....
SCHEDULE 17: SST MEDIUM PRESSURE PIPE LINES.....	R.....
SCHEDULE 18: ACCESS ROAD AND PARKING.....	R.....
SCHEDULE 19: CONCRETE	R.....
SCHEDULE 20: SUPERSTRUCTURE.....	R.....
SCHEDULE 21: RETURN ACTIVATED SLUDGE PUMPSTATION.....	R.....
SCHEDULE 22: BUILDING REFURBISHMENT.....	R.....
SCHEDULE 23: BOUNDARY WALL.....	R.....
SECTION 24: DEWATERING PRESS.....	R.....
SCHEDULE 25: BLOWER ROOM.....	R.....
SCHEDULE 26: RETAINING WALL.....	R.....

SCHEDULE 27: CHLORINE DOSING.....	R.....
SCHEDULE 28 : WWTW ELECTRICAL AND INSTRUMENTATION.....	R.....
SCHEDULE 29 : E&M STANDBY GENERATORS AND TRANSFORMERS.....	R.....
SCHEDULE 30 : ELECTRICAL SITE LIGHTING, GENERAL & PROV SUMS...	R.....
SCHEDULE 31: PROVISIONAL ITEMS.....	R.....
SCHEDULE 32: EXTENSION 3A PUMPSTATION.....	R.....
 SUBTOTAL 1	 R.....
 ADD CONTINGENCIES @ 10%	 R.....
 SUBTOTAL 2	 R.....
 ADD CONTRACT PRICE ADJUSTMENT @ 10%	 R.....
 SUB-TOTAL 2	 R.....
 ADD 15% VAT	 R.....
 TOTAL CARRIED TO THE FORM OF OFFER ON PAGE C.2	 R.....
 <u>SIGNED ON BEHALF OF TENDERER:</u>	