

Contract No: WSBU 02-2025/26: TENDER FOR THE APPOINTMENT OF CONTRACTORS FOR THE REPLACEMENT OF DEFICIENT SEWERS WITH COMBINATION OF TRENCHLESS AND CONVENTIONAL METHODS IN THE CITY OF TSHWANE, (AREA-B): THREE (3) YEAR PERIOD, AS AND WHEN REQUIRED.

SERIES O: GENERAL - GENERAL REQUIREMENTS AND CHARGES : SECTION 001

Item	Description	Unit	Qty	Rate	Amount
B001.01	Preliminary and General Charges(as specified in Part C3.8 Corrections and Amendments to the Standard Specifications, Section 001: General requirement and Charges, B31: Measurement and Payment)				
	B001.01.01 Fixed charges	month/per project	72		
	B001.01.02 Time-related charges	month/per project	72		
	B001.01.03 The Contractor's establishment on site	Number	9		
B001.03 Li	Excavate by hand to expose existing services, and backfill	m3	50		
B001.04	Compliance with the Occupational Health and Safety Act and applicable regulations				
	B001.04.01 Provision of Health and Safety Plan	Lsum/per project	9		
	B001.04.02 Provision of Health and Safety file	Lsum/per project	9		
	B001.04.03 Provision of construction supervisors	per month/per project	36		
	B001.04.04 Provision of a Safety Officer (full time)	per month/per project	36		
	B001.04.08.01 Implementation of OHS Act (including provision of personal protective clothing, equipment, training, safety fences, etc.)	Lsum/per project	3		
B001.05	Community Liason officer				
	B001.05 .01 Salary	per month/per project	72	16 928.00	1 218 816.00
	B001.05 .02 Charges required by the Contractor on subitem B001.05.01 above	%	1		
B001.06 SC	Security guards(as specified in Part C3.8 Corrections and Amendments to the Standard Specifications, Section 001: General requirement and Charges, B31: Appointment of Local Security Company)				
	B001.06.01 Appointment of Local Security Company	per month/per site	72		
B001.07	Provision of construction and materials manager	per month/per project	72		
B001.09	Training of targeted subcontractors and labourers				
	B001.09 .01 Training of targeted labourers	hour	27		
	B001.09 .02 Charges required by the Contractor on sub-item B001.09.01 above	%	1		
B001.10	Sums stated provisionally				
	B001.10.01 Expenditure on daywork items (wages paid to workmen)	hour	900		
	B001.10.02 Expenditure on daywork items (plant cost)	hour	300		
B001.11	Sums stated provisionally				
	B001.11.01 Materials to be used during the excavation of dayworks	Lsum/per project	9		
	B001.11.02 Extra-Over on B001.06.01 for mark-up	%	1		
B001.12	DAYWORKS				
	B001.12.01 Labour				
	B001.12.01.01 Qualified Artisans (9 hour/day)	w/day	2250		
	B001.12.01.02 Foreman (9 hour/day)	w/day	750		
	B001.12.01.03 Semi-skilled (9 hour/day)	w/day	3000		
	B001.12.01.04 Labourer (9 hour/day)	w/day	9000		
	B001.12.02 Plant Hire : Work Rates on Site				
carry forward					

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SERIES O: GENERAL - GENERAL REQUIREMENTS AND CHARGES : SECTION 001

Item	Description	Unit	Qty	Rate	Amount
				brought forward	
	B001.12.02.01 Tipper Truck				
	B001.12.02.01.01 1 m3 (small)	hour	100		
	B001.12.02.01.02 3 m3 (large)	hour	100		
	B001.12.02.02 Flatbed Truck				
	B001.12.02.02.01 1 ton (small)	hour	100		
	B001.12.02.02.02 3 ton (large)	hour	100		
	B001.12.02.03 LDV (0.5 ton)	hour	100		
	B001.12.02.04 Wheel Loader	hour	100		
	B001.12.02.05 Motor Grader	hour	100		
	B001.12.02.06 Back-actor	hour	100		
	B001.12.02.07 Tractor Loader-Backhoe	hour	1000		
	B001.12.02.08 Pedestrian Roller				
	B001.12.02.08.01 Bomag BW 90	hour	100		
	B001.12.02.08.02 Bomag BW 61	hour	100		
	B001.12.02.10 Concrete Mixer				
	B001.12.02.10.01 170 l (small)	hour	100		
	B001.12.02.10.02 280 l (large)	hour	100		
	B001.12.02.10.03 Miscellaneous				
	B001.12.02.10.03.01 Compressor 250 Cfm.	hour	100		
	B001.12.02.10.03.02 Water Pump with 25 l/s	hour	100		
	B001.12.02.10.03.03 Water Pump with 10 l/s	hour	100		
Total carried forward to Summary					

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SERIES 0 : GENERAL - ENGINEERS ACCOMMODATION : SECTION 002

Item	Description	Unit	Qty	Rate	Amount
B002.01	Services				
	002.01.01 Services for Office	month/per project	36		
B002.02 SC/Li	Maintenance of area around offices	month/per project	36		
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SERIES 1 : ANCILLARY WORKS - SITE CLEARING AND GRUBBING : SECTION 101

Item	Description	Unit	Qty	Rate	Amount
101.01	Clearing and Grubbing				
SC/Li	101.01.01 Areas	m2	1500		
101.02	Cutting and removal of large trees with a girth				
SC/Li	101.02.01 Exceeding 1m to 2m	No	3		
SC/Li	101.02.02 Exceeding 2m to 3m	No	2		
101.03	Grubbing and removal of large stumps and roots or large trees with a girth:				
SC/Li	101.03.01 Exceeding 1m to 2m	No	5		
SC/Li	101.03.02 Exceeding 2m to 3m	No	5		
Total carried forward to Summary					

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SERIES 1 : ANCILLARY WORKS - ACCOMMODATION OF TRAFFIC : SECTION 102

Item	Description	Unit	Qty	Rate	Amount
102.12	Provision of temporary bridges for maintaining access to properties				
SC	102.12.01 Temporary pedestrain bridges	No	25		
SC	102.12.02 Temporary vehicular bridges	No	10		
102.13	Moving of temporary bridges to and their re-erection in entirely new positions				
SC/Li	102.13.01 Temporary pedestrian bridges	No	10		
SC/Li	102.13.02 Temporary vehicular bridges	No	10		
Total carried forward to Summary					

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SERIES 2 : EARTHWORKS - GENERAL : SECTION 201					
Item	Description	Unit	Qty	Rate	Amount
201.02	Temporary stockpiling of material	m3	500		
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SERIES 2 : EARTHWORKS - TRENCHING : SECTION 202

Item	Description	Unit	Qty	Rate	Amount
202.01 (LI/SC)	Trench excavations.				
(LI/SC)	202.01.01 Up to 1.0m deep	m3	1 742		
	202.01.02 Over 1.0m and up to 2m deep	m3	20 964		
	202.01.03 Over 2m and up to 3m deep	m3	7 223		
	202.01.04 Over 3m and up to 4m deep	m3	4 081		
	202.01.05 Over 4m and up to 5m deep	m3	3 906		
202.02 (LI/SC)	Extra over item 202.01, 202.03, 202.04 for excavating in-				
	202.02.02 Hard material	m2	25		
202.03 (LI/SC)	Excavations outside the normal trench profile	m3	814		
202.04 (LI/SC)	Hand excavation (extra over item 202.01)	m3	150		
202.06 (LI/SC)	The backfilling of trenches (excluding backfill around the pipe barrel) with material obtained from excavations	m3	21 842		
202.07 (LI/SC)	Extra over item 202.06 for using backfill material obtained -				
	202.07.01 From borrow areas	m3	4 375		
	202.07.02 From sources provided by the Contractor	m3	1 089		
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SERIES 3 : SEWERS - CONSTRUCTION : SECTION 302

Item	Description	Unit	Qty	Rate	Amount
302.01	Supplying, laying, jointing of sewer pipes irrespective of depth/width of trench.				
	302.01.01. 160mm Class PE100 PN 6, SDR26	m	1 304		
	302.01.02. 200mm Class PE100 PN 6, SDR26	m	145		
	302.01.03. 225mm Class PE100 PN 6, SDR26	m	2		
	302.01.04. 250mm Class PE100 PN 6, SDR26	m	7		
	302.01.05. 280mm Class PE100 PN 6, SDR26	m	2		
	302.01.06. 315mm Class PE100 PN 6, SDR26	m	54		
	302.01.07. 355mm Class PE100 PN 6, SDR26	m	14		
	302.01.08. 400mm Class PE100 PN 6, SDR26	m	3		
	302.01.09. 450mm Class PE100 PN 6, SDR26	m	8		
	302.01.10. 500mm Class PE100 PN 6, SDR26	m	3		
	302.01.11. 560mm Class PE100 PN 6, SDR26	m	3		
	302.01.12. 630mm Class PE100 PN 6, SDR26	m	3		
	302.01.13. 800mm Class PE100 PN 6, SDR26	m	3		
	302.01.14. 900mm Class PE100 PN 6, SDR26	m	3		
	302.01.15. 1 200mm Class PE100 PN 6, SDR26	m	3		
302.02	Construction of pipe bedding				
	302.02.01 Class B bedding				
	302.02.01.01. 160mm Class PE100 PN 6, SDR26	m	1 304		
	302.02.02. 200mm Class PE100 PN 6, SDR26	m	145		
	302.02.03. 225mm Class PE100 PN 6, SDR26	m	2		
	302.02.04. 250mm Class PE100 PN 6, SDR26	m	7		
	302.02.05. 280mm Class PE100 PN 6, SDR26	m	2		
	302.02.06. 315mm Class PE100 PN 6, SDR26	m	54		
	302.02.07. 355mm Class PE100 PN 6, SDR26	m	14		
	302.02.08. 400mm Class PE100 PN 6, SDR26	m	3		
	302.02.09. 450mm Class PE100 PN 6, SDR26	m	8		
	302.02.10. 500mm Class PE100 PN 6, SDR26	m	3		
	302.02.11. 560mm Class PE100 PN 6, SDR26	m	3		
	302.02.12. 630mm Class PE100 PN 6, SDR26	m	3		
	302.02.13. 800mm Class PE100 PN 6, SDR26	m	3		
	302.02.14. 900mm Class PE100 PN 6, SDR26	m	3		
	302.02.15. 1 200mm Class PE100 PN 6, SDR26	m	3		
carry forward					

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SERIES 3 : SEWERS - CONSTRUCTION : SECTION 302

Item	Description	Unit	Qty	Rate	Amount
brought forward					
302.09	Construction of manholes up to 1.0m deep				
SC	302.09.01 For sewers 300mm in diameter and smaller				
	302.09.01.01.01 Type III	No	25		
	Extra over 302.06 for construction of manholes in excess of 1.0m deep				
302.10	302.10.01 For sewers 300mm in diameter and smaller				
SC	302.10.01.01 Type III	m	25		
SC	302.09.01 For sewers larger than 300mm in diameter				
	302.09.01.01.01 Type III		10		
	Extra over 302.06 for construction of manholes in excess of 1.0m deep		10		
302.1	302.10.01 For sewers larger than 300mm in diameter		10		
SC	302.10.01.01 Type III		10		
302.12	Supplying and installing manhole covers and frames				
SC	302.12.01 SANS 558 Type 4 circular	No	5 152		
	302.12.02 SANS 558 Type 2A circular	No	4 184		
	302.12.03 Precast concrete cover with type 2A CI frame	No	10		
	302.12.04 Precast concrete cover with type 4 CI frame	No	8		
302.14	Supplying and placing selected backfill material around and up to 300mm above pipe barrels using				
	302.14.01 Excavated material	m3	1 500		
	302.14.02 Imported material	m3	1 000		
B302.23 SC	Supply and install lamphole covers and frames for rodding eyes	No	10		
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SERIES 5 : DRAINAGE AND EROSION PROTECTION - KERBING AND CHANNELLING : SECTION 503

Item	Description	Unit	Qty	Rate	Amount
503.01	Concrete kerbing				
	503.01.01 to match existing kerbing	m	50		
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SERIES 6 : ROAD AND PARKING AREAS - GRAVEL PAVEMENT LAYERS : SECTION 601

Item	Description	Unit	Qty	Rate	Amount
601.02	Gravel layers constructed from material obtained from borrow pits:				
	601.02.01 Subgrade				
	601.02.01.01 Compacted to 90% of modified AASHTO density	m3	15		
	601.02.01.02 Compacted to 93% of modified AASHTO density	m3	15		
	601.02.01.03 Compacted to 95% of modified AASHTO density	m3	15		
	601.02.02 Subbase				
	601.02.02.01 Compacted to 95% of modified AASHTO density	m3	15		
	601.02.02.02 Compacted to 97% of modified AASHTO density	m3	15		
	601.02.03 Base				
	601.02.03.01 Compacted to 98% of modified AASHTO density	m3	15		
601.03	Gravel layers constructed from material obtained from material obtained from excavations:				
	601.03.01 Subgrade				
	601.03.01.01 Compacted to 90% of modified AASHTO density	m3	10		
	601.03.01.02 Compacted to 93% of modified AASHTO density	m3	10		
	601.03.01.03 Compacted to 95% of modified AASHTO density	m3	10		
	601.03.02 Subbase				
	601.03.02.01 Compacted to 95% of modified AASHTO density	m3	10		
	601.03.02.02 Compacted to 97% of modified AASHTO density	m3	10		
	601.03.03 Base				
	601.03.03.01 Compacted to 98% of modified AASHTO density	m3	10		
Total carried forward to Summary					

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SERIES 6 : ROAD AND PARKING AREAS - BASE AND ASPHALT SURFACING : SECTION 606

Item	Description	Unit	Qty	Rate	Amount
606.01	Asphalt base				
	606.01.01 Prime the stabilised area 60% emulsion	m2	250		
606.02	Asphalt surfacing (50mm)				
	606.02.01 Continuously graded	m2	250		
Total carried forward to Summary					

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SERIES 6 : ROAD AND PARKING AREAS - ROAD AND SURFACING REHABILITATION AND OVERLAY : SECTION 608

Item	Description	Unit	Qty	Rate	Amount
608.04	Treatment type 2 (crusher-sand seal) using :				
	608.04.01 60% spray-grade emulsion	ℓ	40		
	608.04.02 60% An application of doubly washed slurry-seal aggregate	m3	15		
608.10	Single-seal surface treatment where 80/100 penetration grade bitumen is used -				
	608.10.01 with 6,7 mm aggregate	m2	250		
	608.10.02 with 9,5 mm aggregate	m2	150		
608.14	Application of fog spray				
	608.14.01 60%-spray-grade emulsion	ℓ	40		
	608.14.02 30%-spray-grade emulsion	ℓ	30		
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SERIES 6:ROAD AND PARKING AREAS - SEGMENTED PAVING : SECTION 609

Item	Description	Unit	Qty	Rate	Amount
609.05	Construction of segmented paving with material supplied by the Employer or from the stockpile				
SC	609.05.01 Segmental-block paving	m2	250		
	609.05.02 Concrete-slab paving	m2	250		
609.06	Extra over on item B609.05.01 for the supply of new material	m2	150		
609.07	Extra over on item B609.05.02 for the supply of new material	m2	150		
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CLEANING OF SEWERS : SECTION B810

Item	Description	Unit	Qty	Rate	Amount
B810.01	Removal of sand, silt, roots, etc. (all causes) from sewer pipes using various rodding equipment for pipe diameter::				
SC	B810.01.01 100mm inside diameter	m	500		
	B810.01.02 150mm inside diameter	m	5000		
	B810.01.03 200mm inside diameter	m	500		
	B810.01.04 225mm inside diameter	m	500		
	B810.01.05 300mm inside diameter	m	1500		
	B810.01.06 350mm nominal diameter	m	500		
	B810.01.07 375mm nominal diameter	m	500		
	B810.01.08 400mm nominal diameter	m	500		
	B810.01.09 425mm nominal diameter	m	500		
B810.02	Removal of isolated point blockages from sewer pipes using various rodding equipment for pipe diameter:				
SC	B810.02.01 100mm inside diameter	No	50		
	B810.02.02 150mm inside diameter	No	100		
	B810.02.03 200mm inside diameter	No	50		
	B810.02.04 225mm inside diameter	No	50		
	B810.02.05 300mm inside diameter	No	100		
	B810.02.06 350mm nominal diameter	No	50		
	B810.02.07 375mm nominal diameter	No	50		
	B810.02.08 400mm nominal diameter	No	50		
	B810.02.09 425mm nominal diameter	No	50		
B810.04	Removal of sand, silt, roots, etc. (all causes) using high pressure water jetting equipment at ±450Bar pressure for pipe diameter				
	B810.04.01 100mm	m	500		
	B810.04.02 150mm	m	1000		
	B810.04.03 230mm	m	500		
	B810.04.04 300mm	m	250		
	B810.04.05 350mm	m	100		
	B810.04.06 375mm	m	100		
	B810.04.07 400mm	m	100		
	B810.04.08 450mm	m	100		
	B810.04.09 525mm	m	100		
	B810.04.10 >525mm	m	100		
B810.05	Removal of silt, fat, etc. (all causes) using combination of vacuum jetting methods apart from high pressure equipment for sewer pipes for pipe diameter				
	B810.05.01 100mm	m	50		
	B810.05.02 150mm	m	500		
	B810.05.03 230mm	m	50		
carry forward					

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CLEANING OF SEWERS : SECTION B810

Item	Description	Unit	Qty	Rate	Amount
brought forward					
	B810.05.04 300mm	m	250		
	B810.05.05 350mm	m	50		
	B810.05.06 375mm	m	50		
	B810.05.07 400mm	m	50		
	B810.05.08 450mm	m	50		
	B810.05.09 525mm	m	50		
	B810.05.10 >525mm	m	50		
B810.06	Combination truck with a storage size of 10 kl or better, complete with high pressure washing and vacuum suction facility	day	20		
B810.07	Water tanker, 10 kl	day	20		
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CCTV INSPECTION OF SEWERS : SECTION B811

Item	Description	Unit	Qty	Rate	Amount
B811.01	Closed-Circuit Pan-and-Rotate Television Inspection of sewer lines for pipe diameter:				
	B811.01.01 100mm inside diameter	m	250		
	B811.01.02 150mm inside diameter	m	1250		
	B811.01.03 200mm inside diameter	m	100		
	B811.01.04 225mm inside diameter	m	100		
	B811.01.05 300mm inside diameter	m	500		
	B811.01.06 350mm nominal diameter	m	100		
	B811.01.07 375mm nominal diameter	m	100		
	B811.01.08 400mm nominal diameter	m	100		
	B811.01.09 >=425mm nominal diameter	m	100		
B811.04	Extra over item B811.01 Blocking of sewers before inspection for pipe diameter:				
	B811.04.01 100-300mm	No	50		
	B811.04.02 325-600mm	No	10		
	B811.04.03 >600mm	No	5		
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SERIES 8 : REHABILITATION/ REPLACEMENT OF SEWERS BY TRENCHLESS METHODS : SECTION B815

Item	Description	Unit	Qty	Rate	Amount
B815.01	Dealing with sewer flows by gravity pipe/temporary ditch diversion during sliplining and pipecracking	m	250		
B815.02	Dealing with sewage flow by overpumping with a water pump able to handle peak dry weather flow				
	B815.02.01 Up to 15 litres /second	hrs	350		
	B815.02.02 Between 15 and 25 litres /second	hrs	350		
B815.03 (LI/SC)	Breaking and repairing of access openings through manhole walls per manhole	No.	25		
B815.04 (LI/SC)	Breaking and repairing benching and channeling in existing manhole to accommodate	No.	25		
B815.05	Supply and installation of pipes.				
	B815.05.01. 160mm Class PE100 PN 6, SDR26 into existing 100mm Clay/uPVC/PF	m	4 800		
	B815.05.02. 160mm Class PE100 PN 6, SDR26 into existing 150-160mm Clay/uPVC/PF	m	11 200		
	B815.05.03. 200mm Class PE100 PN 6, SDR26 into existing 110-160mm Clay/uPVC/PF - upsize	m	2 000		
	B815.05.04. 225 mm Class PE100, PN 6, SDR26 into existing 180-210mm Clay/uPVC/PF	m	50		
	B815.05.05. 250 mm Class PE100, PN 6, SDR26 into existing 220-230mm Clay/uPVC/PF	m	58		
	B815.05.06. 250mm Class PE100 PN 6, SDR26 into existing 110-160mm Clay/uPVC/PF - upsize	m	58		
	B815.05.07. 250mm Class PE100 PN 6, SDR26 into existing 200mm Clay/uPVC/PF - upsize	m	58		
	B815.05.08. 280 mm Class PE100, PN 6, SDR26 into existing 240-260mm Clay/uPVC/PF	m	20		
	B815.05.09. 280 mm Class PE100, PN 6, SDR26 into existing 200mm Clay/uPVC/PF - upsize	m	750		
	B815.05.10. 315mm Class PE100, PN 6, SDR26 into existing 230mm Clay/uPVC/PF - upsize	m	150		
	B815.05.11. 355 mm Class PE100, PN 6, SDR26 into existing 280-330mm Clay/uPVC/PF	m	50		
	B815.05.12. 400mm Class PE100, PN 6, SDR26 into existing 340-375mm Clay/uPVC/PF	m	100		
	B815.05.13. 450mm Class PE100, PN 6, SDR26 into existing 380-420mm Clay/uPVC/PF	m	10		
	B815.05.14. 500mm Class PE100, PN 6, SDR26 into existing 430-460mm Clay/uPVC/PF	m	10		
	B815.05.15. 560mm Class PE100, PN 6, SDR26 into existing 470-520mm Clay/uPVC/PF	m	10		
	B815.05.16. 630mm Class PE100, PN 6, SDR26 into existing 470-520mm Clay/uPVC/PF	m	10		
B815.06	Service reconnections				
(LI/SC)	B815.06.01 For newly laid 160mm OD				
	B815.06.01.01 With Type B connection (Without lamphole and previously called Type 1)	No.	250		
	B815.06.01.02 With Type A or Type C connections (Previously called Type 2 or Type 3)	No.	250		
	B815.06.01.03 With Type B connection (Previously called Type 4)	No.	250		
(LI/SC)	B815.06.02 For newly laid 200 - 300mm OD				
	B815.06.02.01 With Type B connection (Without lamphole and previously called Type 1)	No.	25		
	B815.06.02.02 With Type A or Type C connections (Previously called Type 2 or Type 3)	No.	25		
	B815.06.02.03 With Type B connection (Previously called Type 4)	No.	25		
(LI/SC)	B815.06.03 For newly laid >=315mm OD				
	B815.06.03.01 With Type B connection (Without lamphole and previously called Type 1)	No.	5		
	B815.06.03.02 With Type A or Type C connections (Previously called Type 2 or Type 3)	No.	5		
	B815.06.03.03 With Type B connection (Previously called Type 4)	No.	5		
carry forward					

Contract No: WSBU 02-2025/26: TENDER FOR THE APPOINTMENT OF CONTRACTORS FOR THE REPLACEMENT OF DEFICIENT SEWERS WITH COMBINATION OF TRENCHLESS AND CONVENTIONAL METHODS IN THE CITY OF TSHWANE, (AREA-B): THREE (3) YEAR PERIOD, AS AND WHEN REQUIRED.

SERIES 8 : REHABILITATION/ REPLACEMENT OF SEWERS BY TRENCHLESS METHODS : SECTION B815

Item	Description	Unit	Qty	Rate	Amount
brought forward					
B815.07 (LI/SC)	Point repairs				
	B815.07.01 Point repair by replacing pipe	No.	35		
(LI/SC)	(Extra over item 302.01 if pipe is replaced during point repair as specified)	No.	10		
B815.08 (LI/SC)	B815.07.02 Point repair of backfall in new pipe				
B815.09 (LI/SC)	Breaking and removing concrete surrounded erf connections	m3	5		
B815.10	Reinstate Back-Drop manholes to suit HDPE pipe.	No.	1		
B815.11	Re-rounding existing pipe	m	10		
	Material testing				
	B815.11.01 Control test for E - Modulus	No.	1		
B815.12 (LI/SC)	Removal / clearing of obstructions over launch or exit pits or sewer lateral connections and replace	Hrs	25		
B815.13	Connect existing sewer line to newly laid sewers.				
	B815.13.01 For newly laid sewer of 160mm OD	No.	25		
	B815.13.02 For newly laid sewer of 200mm OD	No.	1		
	B815.13.03 For newly laid sewer of 250mm OD	No.	1		
	B815.13.04 For newly laid sewer of 280mm OD	No.	1		
	B815.13.05 For newly laid sewer of 315mm OD	No.	5		
	B815.13.06 For newly laid sewer of 355mm OD	No.	1		
	B815.13.07 For newly laid sewer of 400mm OD	No.	1		
	B815.13.08 For newly laid sewer of 450mm OD	No.	1		
	B815.13.09 For newly laid sewer of 560mm OD	No.	1		
	B815.13.10 For newly laid sewer of 630mm OD	No.	1		
B815.14 (LI/SC)	Breaking of concrete surfaces & reinstating with 25 MPa concrete to the original state	m2	25		
B815.15 (LI/SC)	Reinstating existing brickwork pavement according to specifications	m2	25		
B815.16	Installation of CIPP Liner				
	B815.16.01 Structural liner for diameters				
	B815.16.01.01 160mm	m	250		
	B815.16.01.02 Greater than 160mm up to 200mm	m	80		
	B815.16.01.03 Greater than 200mm up to 300mm	m	80		
	B815.16.01.04 Greater than 300mm up to 400mm	m	80		
	B815.16.01.05 Greater than 400mm up to 500mm	m	80		
	B815.16.02 Non-structural liner for diameters				
	B815.16.02.01 160mm	m	150		
	B815.16.02.02 Greater than 160mm up to 200mm	m	50		
	B815.16.02.03 Greater than 200mm up to 300mm	m	50		
	B815.16.02.04 Greater than 300mm up to 400mm	m	50		
	B815.16.02.05 Greater than 400mm up to 500mm	m	50		
carry forward					
brought forward					
B815.17	Service reconnections to newly laid sewers by CIPP Liners	No	25		

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SERIES 8 : REHABILITATION/ REPLACEMENT OF SEWERS BY TRENCHLESS METHODS : SECTION B815

Item	Description	Unit	Qty	Rate	Amount
B815.18	Installation of "Top Hat" sections at service connections	No	5		
B815.19	Point repair by short sections of CIPP				
	B815.19.01 CIPP Short sections straight	No	5		
	B815.19.02 CIPP short sections with lateral pretrution	No	5		
Total carried forward to Summary					

PART C2: PRICING DATA

Contract No: WSBU 02-2025/26: TENDER FOR THE APPOINTMENT OF CONTRACTORS FOR THE REPLACEMENT OF DEFICIENT SEWERS WITH COMBINATION OF TRENCHLESS AND CONVENTIONAL METHODS IN THE CITY OF TSHWANE, (AREA-B): THREE (3) YEAR PERIOD, AS AND WHEN REQUIRED.

PART C2: PRICING DATA: SUMMARY

SERIES 0: GENERAL	
SECTION 001: GENERAL REQUIREMENTS AND CHARGES	
SECTION 002: ENGINEERS ACCOMMODATION	
SERIES 1: ANCILLARY WORKS	
SECTION 101 : SITE CLEARING AND GRUBBING	
SECTION 102 : ACCOMMODATION OF TRAFFIC	
SERIES 2 : EARTHWORKS	
SECTION 201 : GENERAL	
SECTION 202 : TRENCHING	
SERIES 3 : SEWERS	
SECTION 302 : CONSTRUCTION	
SERIES 5 : DRAINAGE AND EROSION PROTECTION	
SECTION 503 : KERBING AND CHANNELING	
SERIES 6 : ROAD AND PARKING AREAS	
SECTION 601 : GRAVEL PAVEMENT LAYERS	
SECTION 606 : BASE AND ASPHALT SURFACING	
SECTION 608 : REHABILITATION AND OVERLAY CONSTRUCTION	
SECTION 609 : SEGMENTED PAVING	
SERIES 8: SPECIFIC WORKS	
SECTION B810 : CLEANING OF SEWERS	
SECTION B811: CCTV INSPECTION OF SEWERS	
SECTION B815 : REHABILITATION/ REPLACEMENT OF SEWERS BY TRENCHLESS METHODS	
(a) SUBTOTAL (CONTRACT PRICE)	
(b) SUBTOTAL: CONTINGENCIES 10% OF (a)	
(c) SUBTOTAL: ESCALATION ALLOWANCE 5% OF [(a) + (b)]	
TOTAL = (a) + (b) + (c) = TENDER AMOUNT	
VAT @ 15%	
TENDER AMOUNT carried forward to Form of Offer - Part C1	