



a world class African city



TITLE	STANDARD FOR CIVIL WORK	REFERENCE	REV
		CP_TSSTAN_092	3
		DATE:	APRIL 2025
		PAGE:	1 OF 36

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FOREWORD

This standard was prepared by the following Work Group members:

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City Power Johannesburg (SOC) Ltd

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INTRODUCTION

City Power Johannesburg has a mandate to supply the City of Johannesburg Municipal area with a sustainable electrical distribution network. In order to fulfil this mandate, City Power relies on a massive and healthy infrastructure network. Due to the amount of the workload, there is a need for supplementary services on an as and when required basis to augment City Power's resources. This will in no way replace the existing City Power structures, which shall always be the first level of response to any requirement for maintenance of installations.

1. SCOPE

The purpose of this standard is to detail the repairs, maintenance and replacement requirements to be met for civil work, inclusive of the provision of labour and material on an as and when basis.

2. NORMATIVE REFERENCES

The following documents contain provisions that, through reference in the text, constitute requirements of this standard. At the time of publication, the editions indicated were valid. All standards and specifications are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the documents listed below.

2.1 Specifications and Standards

Reference	Description
SANS/ISO 9001:2015	Quality management systems — Requirements
SANS/ISO 45001:2018	Occupational health and safety management systems — Requirements
SANS/ISO 14001:2015	Environmental management systems — Requirements with guidance for use
SANS 1783	Standard for sawn softwood timber

2.2 Other applicable documents

Description
City Power Operating Regulations
The Standard System of Measurement of Civil Planning Engineering quantities for South Africa and Namibia
Expanded Public Works Program Guidelines (2nd Edition July 2005)
Basic Conditions of Employment Act of 1997, Ministerial Determination No.4: Expanded Public Works Programmes of October 2010.
Any other Acts/Regulations/policies as applicable to the Industry

3. REQUIREMENTS**3.1. General requirements**

3.1.1. The Service Provider shall perform on an as and when required basis the following services;

- 3.1.1.1 Repairs/Replacement and fit new concrete slabs
- 3.1.1.2 Repairs/Replacement of concrete works
- 3.1.1.3 Repairs to all types of brickwork
- 3.1.1.4 Repairs/Replacement of concrete/Reinforced concrete/cast iron manholes
- 3.1.1.5 Plastering works
- 3.1.1.6 Repairs/Replacement of tarmac/ asphalt
- 3.1.1.7 Repairs/Replacement of paving
- 3.1.1.8 Repairs/Replacement of floor tiles/ wall tiles
- 3.1.1.9 Treating damp
- 3.1.1.10 Repairs/Replacement of trap doors
- 3.1.1.11 Replace/Install all types of concrete kerbing
- 3.1.1.12 Replace/Fill river sand inside the cable duct
- 3.1.1.13 Repairs/Cast screed
- 3.1.1.14 Repair/Replace storm water catchment
- 3.1.1.15 Backfill and compact trenches
- 3.1.1.16 Survey/drill/repair borehole water
- 3.1.1.17 Provision of mobile lavatory and chemicals for lavatory.
- 3.1.1.18 Provision of water tanks and filling of drinkable water
- 3.1.1.19 Repairs/Replacement and fit new roofing in compliance with SANS 1783
- 3.1.1.20 Demolishing of building and removal of rubbles
- 3.1.1.21 Repair/Replacement of glass on windows and doors.
- 3.1.1.22 Re-paint/apply new paint on building structures ,poles ,doors, roof
- 3.1.1.23 Repair/replacement of plumbing

3.1.2. Demolition of buildings

The service provider shall be required to demolish buildings including old, unsafe or unused buildings. These activities shall be conducted according to the applicable COJ bylaws.

3.2. Quality Assurance Requirements**3.2.1. The Service Provider shall ensure that;**

- 3.2.1.1 All executed work is certified on completion.
- 3.2.1.2 All work conforms to the latest regulations and by-laws of the Municipality.
- 3.2.1.3 The entity is registered with the NHBRC and is CIDB accredited.
- 3.2.1.4 Skilled labour have valid trade papers.
- 3.2.1.5 The service provider shall designate a representative who hold a minimum diploma or equivalent who shall always be responsible for onsite supervision of the workforce.
- 3.2.1.6 The supervisor shall be ECSA registered or equivalent.
- 3.2.1.7 There be a warranty/ guarantee on both workmanship and material used.
- 3.2.1.8 Replacement products/parts are “like for like”.
- 3.2.1.9 All products are SABS approved.
- 3.2.1.10 All products must comply with ISO9001.

3.2.1.11 Non-branded material/products shall not be used on City Power infrastructure.

3.3. Safety Requirements

- 3.3.1. The Service Provider shall ensure that;
- 3.3.1.1 Their workforce is fully equipped with the relevant personal protective equipment (PPE) at all times.
- 3.3.1.2 Where work is in progress, the area is properly barricaded to prevent unauthorised entry.
- 3.3.1.3 Where permits are required prior to work being executed, prescribed procedures shall be followed in advance to apply for such without fail. Permits shall be required prior to the execution of the work e.g. hot works permit when heat is expected to be generated because of the work being performed and for isolation of apparatus to allow for safety panel.
- 3.3.1.4 Proper signage is displayed, indication work in progress.
- 3.3.1.5 When working at heights, all permits and safety inspections are done. Documents shall be available on site.
- 3.3.1.6 All their employees undergo City Power Induction Training.
- 3.3.1.7 Their employees attend Electrical Safety and Access training course at City Power training centre before commencing work on City Power premises.
- 3.3.1.8 The service provider shall designate a safety officer who holds safety management diploma or related, be registered with SACPCMP.
- 3.3.1.9 The service provider shall ensure the safety of all workers and public during execution of civil work.
- 3.3.1.10 Service provider shall ensure that the civil work minimizes environmental impacts, including waste management and erosion control.

4. DOCUMENTATION

The Service Provider shall keep maintenance records of each completed work and provide such to City Power with the warranty/ guarantee clearly indicated. These records must contain details of the work done including dates and warranty period.

5. QUALITY MANAGEMENT

A quality management plan shall be set up in order to assure the proper quality management of the civil work during design, development, production, installation and servicing phases. Guidance on the requirements for a quality management plan may be found in the ISO 9001:2015. The details shall be subject to agreement between City Power and the Supplier.

6. HEALTH AND SAFETY

A health and safety plan shall be set up in order to ensure proper management and compliance during the manufacture, installation, removal, transportation, and disposal of scrap material/Waste/E-waste. Guidance on the requirements of a health and safety plan shall be found in ISO 45001:2018 standards. The details shall be subject to an agreement between City Power and the Supplier.

7. ENVIRONMENTAL MANAGEMENT

An environmental management plan shall be set up in order to ensure the proper environmental management and compliance is adhered to during the manufacture, installation, removal, transportation, and disposal of scrap material/Waste/E-waste. Guidance on the requirements for an environmental management system shall be found in ISO 14001:2015 standards. The details shall be subject to an agreement between City Power and the Supplier. This is to ensure that the asset created conforms to environmental standards and City Power SHERQ Policy.

ANNEX A – BIBLIOGRAPHY

None

ANNEX B – REVISION INFORMATION

DATE	REV. NO.	NOTES
August 2021	0	First issue
February 2023	1	Updated Forward List Updated Clauses 5, 6, 7 Edited Annex C Title
February 2023	2	Updated Normative Reference
April 2025	3	Inclusion of 3.1.1.16 – 3.1.1.23 Annex C edited Normative Reference edited

ANNEX C - SCHEDULES OF RATES (BOQ):

ITEM No. 1: Rates of Activities in Rands (R)

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment, material or services offered

Item	Description	Unit	Schedule A	Schedule B
			Cost Per Item	Cost Per Item
	BUILDING & CIVIL WORKS			
1	Site clearance	m ²	100	
2	Stripping of topsoil to 150mm deep	m ²	100	
3	Damp control	m ²	100	
4	Remove excavated spoil soil from the site	m ³	100	
5	Remove building rubble from the site	m ³	100	
6	Excavate trench	m ³	100	
7	Prepare wall and apply damp roof paint	m ²	100	
8	SABS Malfoed 4mm dual reinforced torch on membrane	m ²	100	
9	Remove concrete kerb FIG. 1	m	100	
10	Remove concrete kerbs medium duty 75mm	m	100	
11	Install concrete kerb medium duty 1000mm x 75mm t x 150mm h	m	100	
12	Install concrete kerb FIG 1	m	100	
13	Install concrete kerb FIG 6	m	100	
14	Install concrete kerb FIG 7	m	100	
15	Install concrete kerb FIG 8A	m	100	
16	Install concrete kerb FIG 6	m	100	
17	Compact area	m	100	
18	Grade and level area	m ²	100	
19	Compact area at 150mm	m ²	100	
20	SABS 250 micron 30m roll	m ²	100	
21	SABS 375 micron 30m roll	m ²	100	
22	Reinforce mesh 078	m ²	100	
23	Reinforce mesh Ref 100	m ²	100	
24	Reinforce mesh Ref 245	m ²	100	
25	Reinforce mesh Ref 395	m ²	100	

26	Reinforce mesh Ref 617	m ²	100	
27	Reinforce mesh Ref 888	m ²	100	
28	Break topping not more than 50mm	m ²	100	
29	Break concrete less than 250mm t	m ²	100	
30	Break concrete less than 500mm t	m ²	100	
31	Break concrete less than 1000mm t	m ²	100	
32	Break concrete columns	m ³	100	
33	Break suspended concrete slab 100mm	m ³	100	
34	Break suspended concrete slab 150mm	m ³	100	
35	Break suspended concrete slab 200mm	m ³	100	
36	Break suspended concrete slab 250mm	m ³	100	
37	Cast topping 10 Mpa	m ³	100	
38	Cast topping 15 Mpa	m ³	100	
39	Cast topping 20 Mpa	m ³	100	
40	Cast topping 25 Mpa	m ³	100	
41	Cast topping 30 Mpa	m ³	100	
42	Cast topping 35 Mpa	m ³	100	
43	Cast topping 40 Mpa	m ³	100	
44	Cast topping 45 Mpa	m ³	100	
45	Cast vibrated concrete 10 Mpa/ 13mm stone	m ³	100	
46	Cast vibrated concrete 15 Mpa/ 13mm stone	m ³	100	
47	Cast vibrated concrete 20 Mpa/ 13mm stone	m ³	100	
48	Cast vibrated concrete 25 Mpa/ 13mm stone	m ³	100	
49	Cast vibrated concrete 10 Mpa/19mm stone	m ³	100	
50	Cast vibrated concrete 15 Mpa/19mm stone	m ³	100	
51	Cast vibrated concrete 20 Mpa/19mm stone	m ³	100	
52	Cast vibrated concrete 25 Mpa/19mm stone	m ³	100	
53	Cast vibrated concrete 30 Mpa/19mm stone	m ³	100	
54	Cast vibrated concrete 35 Mpa/19mm stone	m ³	100	
55	Cast vibrated concrete 40 Mpa/19mm stone	m ³	100	
56	Cast vibrated concrete 45 Mpa/19mm stone	m ³	100	

57	Concrete pump establishment	Each	100	
58	Pump concrete	m ³	100	
59	River sand	m ³	100	
60	Building sand	m ³	100	
61	Plaster sand	m ³	100	
62	Supply Cement	Each	100	
63	12mm thick soft board for expansion joints	m	100	
64	Cut 6mm x 30mm d on the concrete slab	m	100	
65	Cast concrete gully not exceeding 300mm w x 200mm d including form work	m ³	100	
66	Cast concrete gully not exceeding 600mm w x 200mm d including form work	m ³	100	
67	Topping cubes test	Each	100	
68	Concrete cubes test	Each	100	
69	Power float concrete finish	m ²	100	
70	Lay and level river sand	m ²	100	
71	Remove 60mm interlocking paving/ normal paving	m ²	100	
72	Remove 80mm interlocking paving	m ²	100	
73	Lay 60mm t interlocking paving (55 bricks)	m ²	100	
74	Lay 80mm t interlocking paving	m ²	100	
75	Lay 60mm bevelled edge paving bricks	m ²	100	
76	Lay 60mm t Zig-Zag interlocking paving (55 bricks)	m ²	100	
77	Lay 80mm t Zig-Zag interlocking paving	m ²	100	
78	Lay 75mm semi solid paving bricks	m ²	100	
79	Build brick clay solid foundation wall (220mm)	m ²	100	
80	Build clay brick solid foundation wall (220mm)	m ²	100	
81	Build clay brick solid foundation wall (330mm)	m ²	100	
82	Build clay brick solid foundation wall (440mm)	m ²	100	
83	Lay DPC 110	m	100	
84	Lay DPC 220	m	100	
85	Backfill trench and holes	m ³	100	
86	Backfill retaining walls	m ³	100	

87	Compaction to trenches alone	m ³	100	
88	Compaction to 93% of Mod ASSHTO	m ³	100	
89	Break brick wall 110	m ²	100	
90	Break brick wall 220mm	m ²	100	
91	Build solid stock brick (110mm)	m ²	100	
92	Build solid stock brick (220mm)	m ²	100	
93	Build semi face solid brick wall (110mm)	m ²	100	
94	Build semi face solid brick wall (220mm)	m ²	100	
95	Build face brick wall (110mm)	m ²	100	
96	Build face brick wall with (220mm) with solid stock bricks on the inside	m ²	100	
97	Build face brick wall both sides (220mm)	m ²	100	
98	Build free standing semi face brick column 220mm	m	100	
99	Build solid free standing semi face brick column 330mm	m	100	
100	Build solid free standing semi face brick column 440mm	m	100	
101	Build solid free standing semi face brick column 660mm	m	100	
102	Build free standing face brick column 220mm	m	100	
103	Build solid free standing face brick column 330mm	m	100	
104	Build solid free standing face brick column 440mm	m	100	
105	Build solid free standing face brick column 660mm	m	100	
106	Clay brick per 1000	Each	100	
107	Solid stock brick per 1000	Each	100	
108	Semi face brick per 1000	Each	100	
109	Face brick per 1000	Each	100	
110	Break opening and make good	m ²	100	
111	Break and remove plaster on the wall	m ²	100	
112	Remove window including window sills up to 2m	Each	100	
113	Remove window including window sills up to 3m	Each	100	
114	Remove window including window sills exceeding 3m	Each	100	
115	Remove single steel door frame	Each	100	
116	Remove double steel door frame	Each	100	
117	Plaster wall with float finish	m ²	100	

118	Remove pre-cast pole	Each	100	
119	Remove pre-cast slab	Each	100	
120	Remove damaged precast wall	m	100	
121	Plant 1,8m h pole concrete pre-cast pole above GL	Each	100	
122	Plant 2,1m h pole concrete pre-cast pole above GL	Each	100	
123	Plant 2,4m h pole concrete pre-cast pole above GL	Each	100	
124	Plant 2,8m h pole concrete pre-cast pole above GL	Each	100	
125	Install pre-cast wall plain 1,8 m h	m	100	
126	Install pre-cast wall plain 2,1 m h	m	100	
127	Install pre-cast wall plain 2,4 m h	m	100	
128	Install pre-cast wall plain 2,8 m h	m	100	
129	Install pre-cast wall jumbo 1,8 m h	m	100	
130	Install pre-cast wall jumbo 2,1 m h	m	100	
131	Install pre-cast wall jumbo 2,4 m h	m	100	
132	Install pre-cast wall jumbo 2,8 m h	m	100	
133	Install pre-cast wall louvre 1,8 m h	m	100	
134	Install pre-cast wall louvre 2,1 m h	m	100	
135	Install pre-cast wall louvre 2,4 m h	m	100	
136	Install pre-cast wall louvre 2,8 m h	m	100	
137	Remove concrete palisade pole 2,4m h	Each	100	
138	Remove concrete palisade cross member	Each	100	
139	Remove concrete palisade vertical slats 2,4m h	Each	100	
140	Remove concrete palisade wall 1,8m h	m	100	
141	Remove concrete palisade wall 2,4m h	m	100	
142	Supply and install 20mm PVC conduit	m ²	100	
143	Install draw box 6m	m	100	
144	Garnite existing concrete pre-cast wall (20 Mpa)	m ²	100	
145	Garnite existing concrete palisade wall (20 Mpa)	m ²	100	
146	Ground compaction test results	Each	100	
147	Removal of rubble burnt contents	m ³	100	
148	Concrete lintel 110mm w x 75mm h	m	100	

149	Concrete window sill 500mm l x 300mm w x 0,05t	Each	100	
	TILES			
150	Install white glazed wall tiles 150mm x 150mm	m ²	Required	
151	Install white wall tiles 150mm x 150mm	m ²	Required	
152	Install white glazed wall tiles 200mm x 200mm	m ²	Required	
153	Install white wall tiles 200mm x 200mm	m ²	Required	
154	Install ceramic floor tiles 300mm x 300mm	m ²	Required	
155	Install ceramic floor tiles 330mm x 330mm	m ²	Required	
156	Install ceramic floor tiles 400mm x 400mm	m ²	Required	
157	Install ceramic floor tiles 500mm x 500mm	m ²	Required	
158	Break and remove stock pile wall tiles	m ²	Required	
159	Break and remove stock pile floor tiles	m ²	Required	
160	Break and remove stock pile vinyl tiles	m ²	Required	
	ASHPHALT PAVING			
161	Grading test	Each	Required	
162	Place proper traffic control and remove traffic control	Each	Required	
163	Cut tarmac	m ²	Required	
164	Scrape out weeds, debris and sweep area	m ²	Required	
165	Seal cracks with crack sealer	m	Required	
166	Apply SS60 emulsion	m ²	Required	
167	Apply asphalt in layers of 25mm	m ²	Required	
168	Overlay asphalt 25mm	m ²	Required	
169	Revive asphalt with solid sealant	m ²	Required	
170	Apply solid primer	m ²	Required	
171	Import and lay G5 material	m ³	Required	
	CONCRETE POLISHING			
172	Sanding concrete	m ²	Required	
173	Clean surface with concrete cleaner	m ²	Required	
174	Apply concrete wax	m ²	Required	
175	Polish concrete are with cloth or buffer	m ²	Required	

DEMOLISHING OF BUILDINGS				
176	Break concrete slab/ concrete floor slab/ suspended concrete slab less than 150mm thickness	m ³	Required	
177	Break concrete foundation/ concrete floor slab/ suspended concrete slab less than 250mm thickness	m ³	Required	
178	Break concrete foundation/ concrete floor slab/ suspended concrete slab less than 350mm thickness	m ³	Required	
179	Break concrete foundation/ concrete floor slab/ suspended concrete slab less than 500mm thickness	m ³	Required	
180	Break concrete foundation/ concrete floor slab/ suspended concrete slab less than 750mm thickness	m ³	Required	
181	Break concrete less than 1000mm thickness	m ²	Required	
182	Break concrete columns	m ³	Required	
183	Break suspended concrete slab 100mm	m ³	Required	
184	Break suspended concrete slab 150mm	m ³	Required	
185	Break suspended concrete slab 200mm	m ³	Required	
186	Break suspended concrete slab 250mm	m ³	Required	
187	Break 110mm t plastered wall/ face brick wall	m ²	Required	
188	Break 220 mm t plastered wall/ face brick wall	m ²	Required	
189	Break 330 mm t plastered wall/ face brick wall	m ²	Required	
190	Break 440mm t plastered wall/ face brick wall	m ²	Required	
191	Break 550 mm t plastered wall/ face brick wall	m ²	Required	
192	Break 660 mm t plastered wall/ face brick wall	m ²	Required	
193	Remove roof sheets/ steel	Each	Required	
194	Rehabilitate area by laying top soil	m ³	Required	
195	Clear rubble from the site			
WATER BOREHOLE DRILLING				
196	Water survey	Hrs	Required	
197	Site preparation	m	Required	
198	Drilling	m	Required	

199	Site clearance	m	Required	
WALL PAPER/ DRY WALL				
200	Remove wall paper on the wall and clean the wall	m ²	Required	
201	Remove full floor carpet and clean the area	m ²	Required	
202	Remove floor carpet tiles and clean the area	m ²	Required	
203	Install dry wall structure frame at 2,1m high	m	Required	
204	Install dry wall structure frame at 2,6m high	m	Required	
205	Install dry wall structure frame at 3,0m high	m	Required	
206	Fit dry walling boards to the frame	m ²	Required	
207	Rhinolite wall on the joints, sand paper and make good	m	Required	
208	Rhinolite wall on the partition wall, sand paper and make good	m ²	Required	
209	Fit M6 to top of wall	m	Required	
210	Fit aluminum skirting to wall	m	Required	
211	Fit aluminum door frame to dry walling	m	Required	
212	Fit Masonite single door to the aluminum door frame 813 x 2030	Each	Required	
213	Fit Masonite single door to the aluminum door frame 813 x 2700	Each	Required	
214	Fit Masonite double door to the aluminum door frame 1200 x 2030	Each	Required	
215	Fit Masonite door to the aluminum door frame 1200 x 2700	Each	Required	
216	Fit door stopper	Each	Required	
217	Fit 3 lever mortice lock to the door	Each	Required	
218	Fit 4 lever mortice lock to the door	Each	Required	
219	Fit automatic door closer on top of the door	Each	Required	
220	Fit rubber to door frame	m	Required	
221	Fit aluminum door frame to dry walling 813 x 2030	Each	Required	
222	Fit aluminum door frame to dry walling 813 x 2700	Each	Required	
223	Fit complete aluminium solid window	m ²	Required	
224	Fit complete aluminium sliding window	m ²	Required	
225	Fit complete aluminium top hung window frame	m ²	Required	
226	Fit complete aluminium solid window	m ²	Required	

227	Fit complete aluminium sliding window open to the left or right	m ²	Required	
228	Fit complete aluminium glass door 0,813 ml x 2.1mh with door closer	Each	Required	
229	Fit complete aluminium glass door 1,613 ml x 2.1mh with door closer	Each	Required	
230	Fit complete aluminium sliding door 1.8m1 x 2.1mh with door closer	Each	Required	
231	Fit complete aluminium sliding door 2.1m1 x 2.1mh with door closer	Each	Required	
232	Fit complete aluminium sliding door 2.4m1 x 2.1mh with door closer	Each	Required	
233	Fit complete aluminium sliding door 2.7m1 x 2.1mh with door closer	Each	Required	
234	Fit complete aluminium sliding door 3.0m1 x 2.1mh with door closer	Each	Required	
235	Paint wall with antique white	m ²	Required	
236	Paint doors with City Power enamel blue paint	m ²	Required	
237	Demolish dry wall partition	m ²	Required	
238	Remove single wooden door frame	Each	Required	
239	Remove double wooden door frame	Each	Required	
240	Supply and install all types of Aluminium shop fronts	M2	Required	
241	Supply and install PVC cladding with aluminium angle strip	M2	Required	
242	Supply and install complete aluminium pivot shower doors	Each	Required	
243	Supply and install all types of PVC flooring with underfelt	M2	Required	
244	Supply and install all types of PVC laminating flooring with underfelt	M2	Required	
245	Supply and install drywall frame structure 2,1m high	M2	Required	
246	Supply and install drywall frame structure 2,6m high	M2	Required	
247	Supply and install drywall frame structure 3,0m high	M2	Required	
248	Supply and install aluminium door frame to drywalling	Each	Required	
249	Supply and fit all types of fire doors 2500mm X 813	Each	Required	
250	Supply and install new suspended ceiling frame structure including hangers and plumb it	M2	Required	
251	Supply and install new ,ceiling boards into suspended Futura ceiling	M2	Required	
252	Supply and install new blinds vertical material type	M2	Required	
253	Supply and install complete new vertical blind material type	M2	Required	
254	Supply and install new horizontal wooden blinds	M2	Required	

255	Supply and install heavy duty aluminium posts for Aluminium sliding doors 3000m X 75mm X 75mm	Each	Required	
	ROOFING (to comply with SANS 1783)			
256	All work on beam fillings, fascia, barge boards, guttering, flashings and parapets etc. should be completed before tiling commences	m ²	Required	
257	Remove existing ceiling rhino ceiling board	m ²	Required	
258	Remove suspended ceiling tiles including hangers and frames	Each	Required	
259	Remove and Fit existing 38mm x 38mm brandering	m	Required	
260	Remove and Fit new purlins beams 50 x 75 SA pine	m	Required	
261	Fit new wall plates 38 x 114 SA pine	m	Required	
262	Fit new Tie beam 38 x 114 SA pine at 760 c/c	m	Required	
263	Fit new roof rafters 38 x 114 SA pine	m	Required	
264	Fit under ridge PVC damp proofing membrane	m ²	Required	
265	Fit under underlay membrane SABS approved	m ²	Required	
266	Concrete tapered ridge/ Hip tile laid in Mortar bed Terrcotta/ Grey/ Black/ Brown/ Kalahari/ Red	m	Required	
267	Fit valley galvanised flashing	m	Required	
268	Fit concrete roof tiles Terrcotta/ Grey/ Black/ Brown/ Kalahari/ Red	m ²	Required	
269	Fit new Harvey tiles Terrcotta/ Grey/ Black/ Brown/ Kalahari/ Red	m ²	Required	
270	Fit Harvey tile ridge capping Terrcotta/ Grey/Black/ Brown/ Kalahari/ Red	m ²	Required	
271	Install 38 x 38 at 340 c/c Batten to fit roof tiles	m	Required	
272	Install 38 x 38 at 360 c/c Brandering per m long to install ceiling board	m	Required	
273	Fix nails to the Brandering (4 x 75)	m ²	Required	
274	Remove rhino ceiling board	m ²	Required	
275	Fit 6,4mm new rhino board	m ²	Required	
276	Fit 9,5mm new rhino board	m ²	Required	
277	Fix nail to the ceiling board (3 x 32-38) at 150c/c	m ²	Required	
278	Insert H-profile steel jointing strip (4mm and 6mm)	m	Required	
279	Insert H-profile steel jointing strip (9mm)	m	Required	

280	76 install coved cornice	m	Required	
281	Install new suspended ceiling frame structure including hangers and plumb it	m^2	Required	
282	Insert new ceiling boards into suspended futura ceiling	m^2	Required	
283	Insert new ceiling boards into suspended vinyl ceiling	m^2	Required	
284	Fasten roof trusses with galvanized 12 x 100 bolts and nuts	Each	Required	
285	Fit asbestos fascia boards 10mm x 150mm	m	Required	
286	Fit asbestos fascia boards 10mm x 225mm	m	Required	
287	Fit asbestos fascia boards 10mm x 300mm	m	Required	
288	Fit asbestos fascia boards 12mm x 150mm	m	Required	
289	Fit asbestos fascia boards 12mm x 225mm	m	Required	
290	Fit asbestos fascia boards 12mm x 300mm	m	Required	
291	Fit socketless barge 100mm x 75mm	m	Required	
292	Fit socketless barge 200mm x 80mm	m	Required	
293	Fit socketless barge 275mm x 80mm	m	Required	
294	Fit socketless barge 260mm x 260mm	m	Required	
295	Fit socketless barge 360mm x 250mm	m	Required	
296	Fit socketed barge 100mm x 75mm	m	Required	
297	Fit socketed barge 200mm x 80mm	m	Required	
298	Fit socketed barge 275mm x 80mm	m	Required	
299	Fit socketed barge 260mm x 260mm	m	Required	
300	Fit socketed barge 360mm x 250mm	m	Required	
301	Fit socketed barge 210mm x 210mm	m	Required	
302	Fit socketed barge 260mm x 260mm	m	Required	
303	Plastic H-profile fascia joiners 10mm x 150mm	Each	Required	
304	Plastic H-profile fascia joiners 10mm x 225mm	Each	Required	
305	Plastic H-profile fascia joiners 10mm x 300mm	Each	Required	
306	Plastic H-profile fascia joiners 12mm x 150mm	Each	Required	
307	Plastic H-profile fascia joiners 12mm x 225mm	Each	Required	
308	Plastic H-profile fascia joiners 12mm x 300mm	Each	Required	

309	Plastic H-profile fascia joiners 15mm x 150mm	Each	Required	
310	Plastic H-profile fascia joiners 15mm x 225mm	Each	Required	
311	Plastic H-profile fascia corner joiners 15mm x 300mm	Each	Required	
312	Plastic H-profile fascia corner joiners 10mm x 150mm	Each	Required	
313	Plastic H-profile fascia corner joiners 10mm x 225mm	Each	Required	
314	Plastic H-profile fascia corner joiners 10mm x 300mm	Each	Required	
315	Plastic H-profile fascia corner joiners 12mm x 150mm	Each	Required	
316	Plastic H-profile fascia corner joiners 12mm x 225mm	Each	Required	
317	Plastic H-profile fascia corner joiners 12mm x 300mm	Each	Required	
318	Plastic H-profile fascia corner joiners 15mm x 150mm	Each	Required	
319	Plastic H-profile fascia corner joiners 15mm x 225mm	Each	Required	
320	Plastic H-profile fascia corner joiners 15mm x 300mm	Each	Required	
321	Chromadeck H-profile barge board joiners 260 mm x 260mm	Each	Required	
322	Steel H-profile barge board joiners 200 mm x 80mm	Each	Required	
323	Steel H-profile barge board joiners 275 mm x 80mm	Each	Required	
324	Plastic H-profile barge board joiners 200 mm x 80mm	Each	Required	
325	Plastic H-profile barge board joiners 275 mm x 80mm	Each	Required	
326	Fit 0,4 mm x 100mm round gutter brackets to rafters (Domestic)	Each	Required	
327	Fit 0,5 mm x 100mm round gutter brackets to rafters (Domestic)	Each	Required	
328	Fit 0,6 mm x 100mm round gutter brackets to rafters (Domestic)	Each	Required	
329	Fit 0,4 mm x 125mm round gutter brackets to rafters (Industrial)	Each	Required	
330	Fit 0,5 mm x 125mm round gutter brackets to rafters (Industrial)	Each	Required	
331	Fit 0,6 mm x 125mm round gutter brackets to rafters (Industrial)	Each	Required	
332	Fit 0,4 mm x 150mm round gutter brackets to rafters (Industrial)	Each	Required	
333	Fit 0,5 mm x 150mm round gutter brackets to rafters (Industrial)	Each	Required	
334	Fit 0,6 mm x 150mm round gutter brackets to rafters (Industrial)	Each	Required	
335	Fit 0,4 mm x 100mm x 75mm square gutter brackets to rafters (Domestic)	Each	Required	
336	Fit 0,5 mm x 100mm x 75mm square gutter brackets to rafters (Domestic)	Each	Required	

337	Fit 0,6 mm x 100mm x 75mm square gutter brackets to rafters (Domestic)	Each	Required	
338	Fit 0,5 mm x 125mm x 115mm square gutter brackets to rafters (Industrial)	Each	Required	
339	Fit 0,6 mm x 125mm x 115mm square gutter brackets to rafters (Industrial)	Each	Required	
340	Fit 0,5 mm x 125mm x 150mm square gutter brackets to rafters (Industrial)	Each	Required	
341	Fit 0,6 mm x 125mm x 150mm square gutter brackets to rafters (Industrial)	Each	Required	
342	Square galvanize gutter box 450 mm long by 300mm width by 300mm height	Each	Required	
343	Gutter Square 75mm by 100mm	m	Required	
344	Gutter Square 100mm by 175mm	m	Required	
345	Round gutter 130mm	m	Required	
346	Square gutter corner internal 75mm by 100mm	Each	Required	
347	Square gutter corner external 100mm by 175mm	Each	Required	
348	Round gutter corner 130 mm Internal	Each	Required	
349	Round gutter corner 130 mm external	Each	Required	
350	Gutter Square 125mm by 95mm	m	Required	
351	Square gutter corner internal 125mm by 95mm	Each	Required	
352	Square gutter 125mm by 95mm outlet	Each	Required	
353	Square gutter corner external 125mm by 95mm	Each	Required	
354	Gutter Square 125mm by 95mm stop ends	Each	Required	
355	Gutter Square 100mm by 75mm stop ends	Each	Required	
356	Gutter Square 100mm by 75mm outlet	Each	Required	
357	Round gutter 130mm stop ends	Each	Required	
358	Square down pipe 75mm by 100mm	M	Required	
359	Square Telescopic offset 75mm by 100mm	Each	Required	
360	Square down pipe 75mm by 100mm shoe	Each	Required	
361	Square down pipe 75mm by 100mm bracket	Each	Required	
362	Square down pipe 75mm by 100mm with shoe	M	Required	
363	Round down pipe 75mm	M	Required	
364	Round Telescopic offset 75mm	Each	Required	
365	Round down pipe 75mm shoe	Each	Required	

366	Round down pipe 75mm outlet	Each	Required	
367	Round down pipe 75mm bracket	Each	Required	
368	Round down pipe 75mm with shoe	M	Required	
369	Round down pipe 90mm	M	Required	
370	Round Telescopic offset 90mm	Each	Required	
371	Round down pipe 90mm shoe	Each	Required	
372	Round down pipe 90mm outlet	Each	Required	
373	Round down pipe 90mm bracket	Each	Required	
374	Round down pipe 90mm with shoe	m	Required	
375	Down pipes must be 200mm by 150mm x 1mm	m	Required	
376	Gutter sizes is 200mm by 200mm x 250 x 2mm thick	m	Required	
377	3 mm – 4mm thick Gutter brackets	m	Required	
378	Double VIP toilets unisex with solar powered lights and water foot pump	Each	Required	
379	Honey sucker to empty septic tanks 10 000 LT	Each	Required	
380	Supply of 5000LT JOJO water tanks with 15mm garden tap fitted	Each	Required	
381	Heavy duty non slip 32mm X 32mm x 38mm depth fibre glass cat walk	M2	Required	
382	Heavy duty Steel 35mm x 35mm x 40mm depth cat walk	M2	Required	
383	6 mm Steel checker plate	M2	Required	
	CARPETING			
384	Remove old floor tile carpets (including disposal)	m ²	Required	
385	Remove old floor full carpet (including disposal)	m ²	Required	
386	Remove old floor full carpet with underfelt (including disposal)	m ²	Required	
387	Scrape and clean floor area	m ²	Required	
388	Spread glue on floor	m ²	Required	
389	Lay new floor tile carpet (Blue)	m ²	Required	
390	Lay new full floor carpet Blue (without under felt)	m ²	Required	
391	Lay new full floor carpet with underfelt (Including floor fasteners) 1200gsm designated for commercial	m ²	Required	
392	Fit new aluminum skirting to walls 75mm	m	Required	
393	Fit new aluminum skirting to walls 100mm	m	Required	

394	Fit new standard wooden skirting to walls 19mm x75mm	m	Required	
395	Fit new standard wooden skirting to walls 19mm x100	m	Required	
396	Fit quarter quadrant to walls 19mm	m	Required	
397	Fit 75 mm wooden skirting	m	Required	
398	Varnish 19mm wooden quadrant	m	Required	
399	Varnish 75 mm skirting	m	Required	
400	Fit metal carpet ends/ Strip	m	Required	
401	Remove window blinds	Each	Required	
402	Remove complete blinds	m ²	Required	
403	Replace blinds	M	Required	
404	Replace complete blinds	m	Required	
GLAZING				
405	Install new glass and putty (3mm glass)	m ²	100	
406	Install new glass and putty (4mm glass)	m ²	100	
407	Install new glass and putty (6mm glass)	m ²	100	
408	Place new putty in frame	m	100	
409	Place new glass 3mm in to frame/ steel/ wooden/ aluminium	m ²	100	
410	Place new glass 4mm in to frame / steel/ wooden/ aluminium	m ²	100	
411	Install new glass and use new putty (6mm glass)/ steel/ wooden	m ²	100	
412	Install new glass and use new putty (3mm shutter proof glass) steel/ wooden/ Aluminium	m ²	100	
413	Install new glass and use new putty (4mm shutter proof glass) steel/ wooden/ Aluminium	m ²	100	
414	Install new glass and use new putty (6mm shutter proof glass) steel/ wooden/ Aluminium	m ²	100	
415	Place new rubber band in frame	m	100	
416	Replace wooden glass frame inside or outside	m	100	
417	Install Klingshield on Glass windows or Doors (3mm/ 4mm/ 6mm glass)	m ²	100	
418	Apply soapy water to the glass and apply the Klingshield	Each	100	
419				

PAINTING				
420	Clean walls, Scrape, Patch holes with poly filler and sand down walls	m ²	100	
421	Prepare and Rhino lite wall	m ²	100	
422	Prepare and Rhino lite dry wall	m ²	100	
423	Paint wall with white P.V.A or Universal Under Coat	m ²	100	
424	Paint wall with Enamel	m ²	100	
425	Paint ceiling with Egg Shell	m ²	100	
426	Paint wall with antique white double velvet (vel.6)	m ²	100	
427	Clean/ prepare ceiling to receive undercoat	m ²	100	
428	Painting ceiling with Enamel	m ²	100	
429	Paint ceiling with P.V.A	m ²	100	
430	Clean/ prepare floor of any oil or dirt	m ²	100	
431	Wash floor	m ²	100	
432	Paint solid floor with green Stoep Enamel 2 x Coats	m ²	100	
433	Paint Yellow line when needed 110 mm t	m	100	
434	Paint Yellow line when needed 220 mm t	m	100	
435	Clean/ prepare skirting to receive paint 76mm	m	100	
436	Paint skirting with Enamel paint 76mm	m	100	
437	Stain raw skirting	m	100	
438	Apply solid coat of Sanding sealer x 2	m	100	
439	Paint skirting and quadrant with varnish paint 76mm	m	100	
440	Sand down doors 830mm x 2030mm	Each	100	
441	Undercoat door with P.V.A or Universal undercoat 830mm x 2030mm	Each	100	
442	Paint door with City Power Enamel Blue 830mm x 2030mm	Each	100	
443	Stain raw door 830mm x 2030mm	Each	100	
444	Varnish door 830mm x 2030mm	Each	100	
445	Removal of markings by means of grit-blasting	m ²	100	
446				
447				

	SPRAY PAINTING STEEL DOORS, TRANSFORMERS, MINI SUBSTATIONS, PILLAR BOXES, TANKS AND GUTTERS			
448	Pumping out flooded trench	Each	100	
449	Remove 10 L under basin geyser	Each	100	
450	Remove 50 L geyser	Each	100	
451	Install over/under basin geyser	Each	100	
452	Replace 100 litre geyser	Each	100	
453	Replace 150 litre geyser	Each	100	
454	Replace 200 litre geyser	Each	100	
455	Replace 250 litre geyser	Each	100	
456	Replace 450 litre industrial geyser	Each	100	
457	Install 50 l geyser, valve and fittings	Each	100	
458	Install 100 l geyser, valve and fittings	Each	100	
459	Install 150 l geyser, valve and fittings	Each	100	
460	Install 200 l geyser, valve and fittings	Each	100	
461	Install 250 l geyser, valve and fittings	Each	100	
462	Install 450 l geyser industrial geyser, valve and fittings	Each	100	
463	Set and fit bath with fittings	Each	100	
464	Unblock storm water drains	Each	100	
465	Unblock 110 mm sewer pipes	Each	100	
466	Unblock 175 mm sewer pipes	Each	100	
467	Repair burst Galvanize water pipe 15mm	Each	100	
468	Repair burst Galvanize water pipe 22mm	Each	100	
469	Repair burst Galvanize water pipe 25mm	Each	100	
470	Repair burst Galvanize water pipe 32mm	Each	100	
471	Repair burst Galvanize water pipe 40mm	Each	100	
472	Repair burst Galvanize water pipe 50mm	Each	100	
473	Repair burst Galvanize water pipe 75mm	Each	100	
474	Repair burst Galvanize water pipe 100mm	Each	100	
475	Repair burst Mine flow water pipe 75mm	Each	100	

476	Repair burst Mine flow water pipe 105mm	Each	100	
477	Repair burst Mine flow water pipe 155mm	Each	100	
478	Pumping out flooded trench	Each	100	
479	Remove 10 L under basin geyser	Each	100	
480	Remove 50 L geyser	Each	100	
481	Install over/under basin geyser	Each	100	
482	Replace 100 litre geyser	Each	100	
483	Replace 150 litre geyser	Each	100	
484	Replace 200 litre geyser	Each	100	
485	Replace 250 litre geyser	Each	100	
486	Replace 450 litre industrial geyser	Each	100	
487	Install 50 l geyser, valve and fittings	Each	100	
488	Set and fit bath with fittings	Each	100	
489	Unblock storm water drains	Each	100	
490	Unblock 110 mm sewer pipes	Each	100	
491	Unblock 175 mm sewer pipes	Each	100	
492	Repair burst Galvanize water pipe 15mm	Each	100	
493	Repair burst Galvanize water pipe 22mm	Each	100	
494	Repair burst Galvanize water pipe 25mm	Each	100	
495	Repair burst Galvanize water pipe 32mm	Each	100	
496	Repair burst Galvanize water pipe 40mm	Each	100	
497	Repair burst Galvanize water pipe 50mm	Each	100	
498	Repair burst Galvanize water pipe 75mm	Each	100	
499	Repair burst Galvanize water pipe 100mm	Each	100	
500	Repair burst Mine flow water pipe 75mm	Each	100	
501	Repair burst Mine flow water pipe 105mm	Each	100	
502	Repair burst Mine flow water pipe 155mm	Each	100	
503	Repair burst Mine flow water pipe 210mm	Each	100	
504	Replace fire hydrant reels	Each	100	
505	Repairs to damaged Plasson water pipe 15mm	M	100	

506	Repairs to damaged Plasson water pipe 20mm	M	100	
507	Repairs to damaged Plasson water pipe 25mm	M	100	
508	Set and fit bath with fittings	Each	100	
509	Unblock storm water drains	Each	100	
510	Unblock 110 mm sewer pipes	Each	100	
511	Unblock 175 mm sewer pipes	Each	100	
512	Repair burst Galvanize water pipe 15mm	Each	100	
513	Repair burst Galvanize water pipe 22mm	Each	100	
514	Repair burst Galvanize water pipe 25mm	Each	100	
515	Repair burst Galvanize water pipe 32mm	Each	100	
516	Repair burst Galvanize water pipe 40mm	Each	100	
517	Repair burst Galvanize water pipe 50mm	Each	100	
518	Repair burst Galvanize water pipe 75mm	Each	100	
519	Repair burst Galvanize water pipe 100mm	Each	100	
520	Repair burst Mine flow water pipe 75mm	Each	100	
521	Repair burst Mine flow water pipe 105mm	Each	100	
522	Repair burst Mine flow water pipe 155mm	Each	100	
523	Repair burst Mine flow water pipe 210mm	Each	100	
524	Replace fire hydrant reels	Each	100	
525	Repairs to damaged Plasson water pipe 15mm	M	100	
526	Repairs to damaged Plasson water pipe 20mm	M	100	
527	Repairs to damaged Plasson water pipe 25mm	M	100	
528	Repairs to damaged Plasson water pipe 32mm	M	100	
529	Repairs to damaged Plasson water pipe 40mm	M	100	
530	Repairs to damaged Plasson water pipe 50mm	M	100	
531	Supply and fit Checker plates for cable trench covers average width 650mm w x 6mm t	M	100	
532	Replace light duty cast iron manhole cover and make good (300mm x 300mm opening)	Each	100	

533	Replace light duty cast iron manhole cover and make good (400mm x 400mm opening)	Each	100	
534	Replace heavy duty cast iron manhole cover and make good (500mm x 500mm opening)	Each	100	
535	Replace heavy duty cast iron manhole cover and make good (600mm x 600mm opening)	Each	100	
536	Replace heavy duty cast iron manhole cover and make good (700mm x 700mm opening)	Each	100	
537	Replace light duty cast iron manhole cover and frame and make good (300mm x 300mm opening)	Each	100	
538	Replace light duty cast iron manhole cover and frame and make good (400mm x 400mm opening)	Each	100	
539	Replace heavy duty cast iron manhole cover and frame and make good (500mm x 500mm opening)	Each	100	
540	Replace heavy duty cast iron manhole cover and frame and make good (600mm x 600mm opening)	Each	100	
541	Replace heavy duty cast iron manhole cover and frame and make good (700mm x 700mm opening)	Each	100	
542	Install new 110mm PVC sewer pipe	M	100	
543	Install new 110mm PVC sewer pipe	M	100	
544	Repairs to underground PVC waste pipes 110mm	M	100	
545	Repairs to underground PVC waste pipes 110mm	M	100	
546	Supply and install a new toilet	Each	100	
547	Supply and install new Industrial sink mixer pre-rinse	Each	100	
548	Fit basin with pedestal	Each	100	
549	Fit W.C. and fittings and supply pan connector	Each	100	
550	Fit urinal and fittings	Each	100	
551	Fit prep bowl, fittings and supply flexi trap	Each	100	
552	Fit shower fittings (complete set)	Each	100	
553	Fit shower fittings over bath	Each	100	
554	Supply and install new wall mounted hot water boiler unit 5 litre	Each	100	
555	Supply and install new wall mounted hot water boiler unit 7 litre	Each	100	
556	Supply and install new wall mounted hot water boiler unit 10 litre	Each	100	
557	Install shoring in excavated trench	M	100	

558	Fit pillar basin water tap (Hot or cold)	M	100	
559	Fit single hole basin water tap	M	100	
560	Fit PVC garden tap	M	100	
561	Fit garden tap	M	100	
562	Fit 20mm pipe to supply geyser	Each	100	
563	Fit isolating valve	M	100	
564	Fit pressure control valve combined pressure reducing and expansion relief	Each	100	
565	Fit isolating valve	Each	100	
566	Fit vacuum breaker	Each	100	
567	Temperature and pressure safety valve	M	100	
568	Install temperature and pressure valve discharge pipe 20mm	M	100	
569	Expansion relief discharge pipe 15mm	M	100	
570	Install drain cock	Each	100	
571	Fit drip tray	Each	100	
572	Install drip tray discharge pipe	M	100	
573	Geyser support under dip tray (usually factory fitted)	Each	100	
574	Install 20mm main water pipe	M	100	
575	install 25mm main water pipe	M	100	
576	Installation of galvanize flashings 150mm w x 1,6mm t	M	100	
577	Installation of galvanize flashings 200mm w x 1,6mm t	M	100	
578	Installation of galvanize flashings 300mm w x 1,6mm t	M	100	
579	Remove single bowl zinc/ trough, fittings and flexi trap	Each	100	
580	Install single bowl zinc/ trough, fittings and flexi trap 485Ø mm	Each	100	
581	Install single bowl zinc/ trough, fittings and flexi trap 800 mm l x 460mm w	Each	100	
582	Remove double bowl zinc/ trough, fittings and flexi trap	Each	100	
583	Install double bowl zinc/ trough, fittings and flexi trap 1160 mm l x 460mm w	Each	100	
584	Sink mixer high rise swivel	Each	100	
585	Remove or replace concrete gulley	Each	100	
586	Geyser support under dip tray (usually factory fitted)	Each	100	
587	Install 20mm main water pipe	M	100	
588	install 25mm main water pipe	M	100	

589	Installation of galvanize flashings 150mm w x 1,6mm t	M	100	
590	Installation of galvanize flashings 200mm w x 1,6mm t	M	100	
591	Installation of galvanize flashings 300mm w x 1,6mm t	M	100	
592	Remove single bowl zinc/ trough, fittings and flexi trap	Each	100	
593	Install single bowl zinc/ trough, fittings and flexi trap 485Ø mm	Each	100	
594	Install single bowl zinc/ trough, fittings and flexi trap 800 mm l x 460mm w	Each	100	
595	Remove double bowl zinc/ trough, fittings and flexi trap	Each	100	
596	Install double bowl zinc/ trough, fittings and flexi trap 1160 mm l x 460mm w	Each	100	
597	Sink mixer high rise swivel	Each	100	
598	Remove or replace concrete gulley	Each	100	
PLUMBING				
599	Pumping out flooded trench	Each	100	
600	Remove 10 L under basin geyser	Each	100	
601	Remove 50 L geyser	Each	100	
602	Install over/under basin geyser	Each	100	
603	Replace 100 litre geyser	Each	100	
604	Replace 150 litre geyser	Each	100	
605	Replace 200 litre geyser	Each	100	
606	Replace 250 litre geyser	Each	100	
607	Replace 450 litre industrial geyser	Each	100	
608	Install 50 l geyser, valve and fittings	Each	100	
609	Install 100 l geyser, valve and fittings	Each	100	
610	Install 150 l geyser, valve and fittings	Each	100	
611	Install 200 l geyser, valve and fittings	Each	100	
612	Install 250 l geyser, valve and fittings	Each	100	
613	Install 450 l geyser industrial geyser, valve and fittings	Each	100	
614	Set and fit bath with fittings	Each	100	
615	Unblock storm water drains	Each	100	
616	Unblock 110 mm sewer pipes	Each	100	
617	Unblock 175 mm sewer pipes	Each	100	
618	Repair burst Galvanize water pipe 15mm	Each	100	

619	Repair burst Galvanize water pipe 22mm	Each	100	
620	Repair burst Galvanize water pipe 25mm	Each	100	
621	Repair burst Galvanize water pipe 32mm	Each	100	
622	Repair burst Galvanize water pipe 40mm	Each	100	
623	Repair burst Galvanize water pipe 50mm	Each	100	
624	Repair burst Galvanize water pipe 75mm	Each	100	
625	Repair burst Galvanize water pipe 100mm	Each	100	
626	Repair burst Mine flow water pipe 75mm	Each	100	
627	Repair burst Mine flow water pipe 105mm	Each	100	
628	Repair burst Mine flow water pipe 155mm	Each	100	
629	Repair burst Mine flow water pipe 210mm	Each	100	
630	Replace fire hydrant reels	Each	100	
631	Repairs to damaged Plasson water pipe 15mm	M	100	
632	Repairs to damaged Plasson water pipe 20mm	M	100	
633	Repairs to damaged Plasson water pipe 25mm	M	100	
634	Repairs to damaged Plasson water pipe 32mm	M	100	
635	Repairs to damaged Plasson water pipe 40mm	M	100	
636	Repairs to damaged Plasson water pipe 50mm	M	100	
637	Supply and fit Checker plates for cable trench covers average width 650mm w x 6mm t	M	100	
638	Replace light duty cast iron manhole cover and make good (300mm x 300mm opening)	Each	100	
639	Replace light duty cast iron manhole cover and make good (400mm x 400mm opening)	Each	100	
640	Replace heavy duty cast iron manhole cover and make good (500mm x 500mm opening)	Each	100	
641	Replace heavy duty cast iron manhole cover and make good (600mm x 600mm opening)	Each	100	
642	Replace heavy duty cast iron manhole cover and make good (700mm x 700mm opening)	Each	100	
643	Replace light duty cast iron manhole cover and frame and make good (300mm x 300mm opening)	Each	100	

644	Replace light duty cast iron manhole cover and frame and make good (400mm x 400mm opening)	Each	100	
645	Replace heavy duty cast iron manhole cover and frame and make good (500mm x 500mm opening)	Each	100	
646	Replace heavy duty cast iron manhole cover and frame and make good (600mm x 600mm opening)	Each	100	
647	Replace heavy duty cast iron manhole cover and frame and make good (700mm x 700mm opening)	Each	100	
648	Install new 110mm PVC sewer pipe	M	100	
649	Install new 110mm PVC sewer pipe	M	100	
650	Repairs to underground PVC waste pipes 110mm	M	100	
651	Repairs to underground PVC waste pipes 110mm	M	100	
652	Supply and install a new toilet	Each	100	
653	Supply and install new Industrial sink mixer pre-rinse	Each	100	
654	Fit basin with pedestal	Each	100	
655	Fit W.C. and fittings and supply pan connector	Each	100	
656	Fit urinal and fittings	Each	100	
657	Fit prep bowl, fittings and supply flexi trap	Each	100	
658	Fit shower fittings (complete set)	Each	100	
659	Fit shower fittings over bath	Each	100	
660	Supply and install new wall mounted hot water boiler unit 5 litre	Each	100	
661	Supply and install new wall mounted hot water boiler unit 7 litre	Each	100	
662	Supply and install new wall mounted hot water boiler unit 10 litre	Each	100	
663	Install shoring in excavated trench	M	100	
664	Install new 110mm PVC sewer pipe	M	100	
665	Repairs to underground PVC waste pipes 110mm	M	100	
666	Repairs to underground PVC waste pipes 110mm	M	100	
667	Supply and install a new toilet	Each	100	
668	Supply and install new Industrial sink mixer pre-rinse	Each	100	
669	Fit basin with pedestal	Each	100	
670	Fit W.C. and fittings and supply pan connector	Each	100	
671	Fit urinal and fittings	Each	100	

672	Fit prep bowl, fittings and supply flexi trap	Each	100	
673	Fit shower fittings (complete set)	Each	100	
674	Fit shower fittings over bath	Each	100	
675	Supply and install new wall mounted hot water boiler unit 5 litre	Each	100	
676	Supply and install new wall mounted hot water boiler unit 7 litre	Each	100	
677	Supply and install new wall mounted hot water boiler unit 10 litre	Each	100	
678	Install shoring in excavated trench	M	100	
679	Fit pillar basin water tap (Hot or cold)	M	100	
680	Fit single hole basin water tap	M	100	
681	Fit PVC garden tap	M	100	
682	Fit garden tap	M	100	
683	Fit 20mm pipe to supply geyser	Each	100	
684	Fit isolating valve	M	100	
685	Fit pressure control valve combined pressure reducing and expansion relief	Each	100	
686	Fit isolating valve	Each	100	
687	Fit vacuum breaker	Each	100	
688	Temperature and pressure safety valve	M	100	
689	Install temperature and pressure valve discharge pipe 20mm	M	100	
690	Expansion relief discharge pipe 15mm	M	100	
691	Install drain cock	Each	100	
692	Fit drip tray	Each	100	
693	Install drip tray discharge pipe	M	100	
694	Fit pillar basin water tap (Hot or cold)	M	100	
695	Fit single hole basin water tap	M	100	
696	Fit PVC garden tap	M	100	
697	Fit garden tap	M	100	
698	Fit 20mm pipe to supply geyser	Each	100	
699	Fit isolating valve	M	100	
700	Fit pressure control valve combined pressure reducing and expansion relief	Each	100	
701	Fit isolating valve	Each	100	
702	Fit vacuum breaker	Each	100	

703	Temperature and pressure safety valve	M	100	
704	Install temperature and pressure valve discharge pipe 20mm	M	100	
705	Expansion relief discharge pipe 15mm	M	100	
706	Install drain cock	Each	100	
707	Fit drip tray	Each	100	
708	Install drip tray discharge pipe	M	100	
709	Geyser support under dip tray (usually factory fitted)	Each	100	
710	Install 20mm main water pipe	M	100	
711	install 25mm main water pipe	M	100	
712	Installation of galvanize flashings 150mm w x 1,6mm t	M	100	
713	Installation of galvanize flashings 200mm w x 1,6mm t	M	100	
714	Installation of galvanize flashings 300mm w x 1,6mm t	M	100	
715	Remove single bowl zinc/ trough, fittings and flexi trap	Each	100	
716	Install single bowl zinc/ trough, fittings and flexi trap 485Ø mm	Each	100	
717	Install single bowl zinc/ trough, fittings and flexi trap 800 mm l x 460mm w	Each	100	
718	Remove double bowl zinc/ trough, fittings and flexi trap	Each	100	
719	Install double bowl zinc/ trough, fittings and flexi trap 1160 mm l x 460mm w	Each	100	
720	Sink mixer high rise swivel	Each	100	
721	Remove or replace concrete gulley	Each	100	
722	Geyser support under dip tray (usually factory fitted)	Each	100	
723	Install 20mm main water pipe	M	100	
724	install 25mm main water pipe	M	100	
725	Installation of galvanize flashings 150mm w x 1,6mm t	M	100	
726	Installation of galvanize flashings 200mm w x 1,6mm t	M	100	
727	Installation of galvanize flashings 300mm w x 1,6mm t	M	100	
728	Remove single bowl zinc/ trough, fittings and flexi trap	Each	100	
729	Install single bowl zinc/ trough, fittings and flexi trap 485Ø mm	Each	100	
730	Install single bowl zinc/ trough, fittings and flexi trap 800 mm l x 460mm w	Each	100	
731	Remove double bowl zinc/ trough, fittings and flexi trap	Each	100	

732	Install double bowl zinc/ trough, fittings and flexi trap 1160 mm l x 460mm w	Each	100	
733	Sink mixer high rise swivel	Each	100	
734	Remove or replace concrete gulley	Each	100	
735	Provision of water tank	Each	Required	
736	Delivery of drinkable water	litres	Required	

NOTE: TICKS [✓x], ASTERISK [*], WORD [NOTED], OR TBA [TO BE ADVISED] WILL NOT BE ACCEPTED.

Tender Number: _____

Tenderer's Authorised Signatory: _____

Name in block letter _____ Signature _____

Full name of company: _____

DEVIATION SCHEDULE:
ITEM No. 1: Rates of Activities in Rands (R)

Any deviations offered to this standard shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by City Power.

Item No.	Sub-clause of CP_TSSTAN_092	Proposed deviation

Tender Number: _____

Tenderer's Authorised Signatory: _____

Name in block letter _____ Signature _____

Full name of company: _____