



Annual Bid No. ....  
Maintenance, Renovations, Repairs and Minor New Works  
on Low Tension Installations, Volume 2  
Hardap Region

<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>BILL No 1</u></b>		
	<b><u>GENERAL REPAIRS</u></b>		
	<b><u>EARTHWORKS</u></b>		
	<b><u>ORDINARY EXCAVATION, FILLING, ETC.</u></b>		
	<u>Excavation in earth not exceeding 1m deep for :</u>		
1	Trenches and holes	m3	195.92
	<u>Excavation in earth exceeding 1m deep for :</u>		
2	Trenches and holes	m3	211.97
	<u>Extra over trench and hole excavations in earth for excavation in :</u>		
3	Soft rock (the use of jack hammers is necessary)	m3	541.18
4	Hard rock (blasting is necessary)	m3	901.46
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick :</u>		
5	Backfilling to trenches, holes, etc.	m3	119.42
	<b><u>CONCRETE BASES, ETC.</u></b>		
	<u>Concrete class 20MPa/19mm in :</u>		
6	Base size 1 000mm x 1 000mm x 500mm deep to support pole not exceeding 3 metres high including all necessary excavation, casing, etc.	No	1,009.68
7	Base size 1 000mm x 1 000mm x 500mm deep to support pole not exceeding 6 metres high including all necessary excavation, casing, etc.	No	1,098.27
8	Base size 1 000mm x 1 000mm x 500mm deep to support pole not exceeding 9 metres high including all necessary excavation, casing, etc.	No	1,203.25
	Bill No. 1 GENERAL REPAIRS		
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Item No		Unit	Rate
	<u>Cutting through surface beds, etc. :</u>		
9	Cut through 100mm concrete surface bed 500mm wide and later make good filling, apply soil insecticide and make good damp proof membrane and concrete surface bed	m	339.76
	<b><u>REPAIRS TO EXISTING PLASTERED SURFACES</u></b>		
	<u>One coat external cement plaster wood floated smooth :</u>		
10	Hack off external plaster not exceeding 100mm wide and replaster and repaint to match existing	m	71.38
	<u>One coat internal compo plaster steel trowelled smooth :</u>		
11	Hack off internal plaster not exceeding 100mm wide and replaster and repaint to match existing	m	79.70
	<b><u>REPAIRS TO FLOOR COVERINGS</u></b>		
12	Replace tiles in repairs in isolated areas with new 300mm x 300mm x 2.5mm semi-flexible vinyl tiles fixed with adhesive including preparation	m2	469.50
13	Replace tiles in repairs in isolated areas with new 300mm x 300mm x 2mm fully flexible vinyl tiles fixed with adhesive including preparation	m2	489.67
14	Replace sheeting in repairs in isolated areas with new 2mm fully flexible vinyl sheeting with welded joints fixed with adhesive including preparation	m2	544.64
15	Replace sheeting in repairs in isolated areas with new 3.5mm heavy duty embossed fully flexible vinyl sheeting with welded joints fixed with adhesive including preparation	m2	584.58
16	Replace tiles in repairs in isolated areas with new 608mm x 608mm x 2mm electrostatic conductive vinyl tiles fixed with adhesive including preparation	m2	645.58
17	Replace sheeting in repairs in isolated areas with new 2.5mm "Marmoleum" fully flexible linoleum floor sheeting with welded joints fixed with adhesive including preparation	m2	622.35
18	Replace tiles in repairs in isolated areas with new 500mm x 500mm x 8mm "Florpoint" heavy duty carpet tiles fixed with adhesive including preparation	m2	609.21
19	Replace carpeting in repairs in isolated areas with new needle punched plain resin backed heavy residential grade broadloom carpeting to match existing fixed with adhesive including preparation	m2	607.02
	Bill No. 1 GENERAL REPAIRS		
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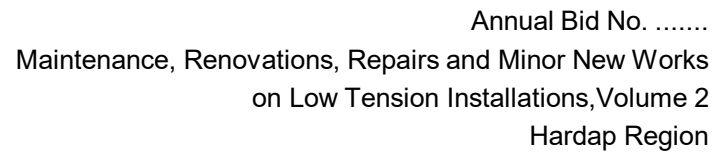
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Item No		Unit	Rate
	<b><u>SUNDRY REPAIRS</u></b>		
	<u>Interlocking paving, slasto or precast slab pavings :</u>		
20	Lift up interlocking paving stones, slasto or precast paving slabs, set aside for re-use, scarify and compact existing surface under, provide and lay additional base course and clean sand bedding as necessary and re-lay paving stones, slasto or paving slabs	m2	303.95
	<b><u>CHASING IN BRICK WALLS, (PIERS, ETC., ELSEWHERE MEASURED)</u></b>		
	<u>Chasing in of galvanised/PVC pipes, channels, trunking, etc., in a straight line :</u>		
21	21mm - 25mm PVC pipes	m	39.73
22	32mm - 50mm PVC pipes	m	102.35
23	O.L. 1 000 Galvanised trunking	m	148.54
24	O.L. 2 000 Galvanised trunking	m	123.54
25	O.L. 4 000 Galvanised trunking	m	124.16
26	O.L. 8 000 Galvanised trunking	m	163.19
27	O.L. 9 000 Galvanised trunking	m	184.31
28	16mm x 16mm PVC trunking	m	47.53
29	25mm x 16mm PVC trunking	m	54.85
30	40mm x 16mm PVC trunking	m	59.50
31	40mm x 25mm PVC trunking	m	64.29
32	40mm x 40mm PVC trunking	m	93.80
	<b><u>MAKING GOOD OF FINISHES</u></b>		
33	Cement plaster and painting in chasing of flush installation	m	63.10
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
34	Painting of pipes	m	41.70
35	Cables not exceeding 50mm <sup>2</sup>	m	46.46
	<b><u>TAKING UP AND REMOVING</u></b>		
36	Trunking, channels and pipes	m	60.92
	<b><u>TAKING DOWN, STORING AND SETTING ASIDE FOR RE-USE LATER AND INSTALL OR RE-FIX</u></b>		
37	Cables not exceeding 50mm <sup>2</sup>	m	53.78
38	PVC/galvanised trunking	m	45.31
39	PVC/galvanised pipes	m	44.12
40	Channels	m	44.27
41	Removal of old wiring circuit fall out	m	48.96
42	Removal of old light fittings	m	97.19
	<b><u>SCAFFOLDING</u></b>		
	The contractor must provide all necessary scaffolding for any and all work required to single storey buildings and to use the insides of building irrespective of the height of the building as no additional payment will be made in this regard		
	Scaffolding will only be measured and paid for work to the external face of the building where the building is higher than one storey and to the actual height of the scaffolding erected		
	The contractor must ensure the stability of the scaffolding at all times and must provide adequate safety rails, barriers and walkways for the workmen using the scaffolding. No materials may be stored on scaffolding		
	The height of the scaffolding stated includes the ground floor level		
43	Scaffolding to the external face of double storey buildings	m	1,605.80
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>BILL No 2</u></b>		
	<b><u>LOW TENSION DISTRIBUTION</u></b>		
	<b><u>BLACK ENAMELLED CONDUIT</u></b>		
	<u>Cast in concrete, surface bed or screed :</u>		
52	20mm Diameter	m	79.92
53	25mm Diameter	m	89.36
54	32mm Diameter	m	122.88
	<u>Chased and/or fixed in brickwork not exceeding 3000mm above floor level (making good of chase by others) :</u>		
55	20mm Diameter	m	82.85
56	25mm Diameter	m	93.94
57	32mm Diameter	m	123.19
	<u>Fixed in dry wall partitioning not exceeding 3000mm above floor level :</u>		
58	20mm Diameter	m	77.47
59	25mm Diameter	m	89.13
60	32mm Diameter	m	114.79
	<u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc., not exceeding 3000 mm above floor level :</u>		
61	20mm Diameter	m	77.77
62	25mm Diameter	m	89.67
63	2 Compartment power skirting	m	964.81
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
64	32mm Diameter  <u>Suspended from steel trusses or concrete slab with and including hangers not exceeding 1000mm long and not exceeding 3000mm above floor level :</u>	m	118.33
65	20mm Diameter	m	92.08
66	25mm Diameter	m	108.11
67	32mm Diameter  <u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc exceeding 3000mm above floor level :</u>	m	137.40
68	20mm Diameter	m	79.56
69	25mm Diameter	m	88.65
70	32mm Diameter  <b><u>GALVANISED CONDUIT</u></b>  <u>Cast in concrete, surface bed or screed :</u>	m	119.11
71	20mm Diameter	m	95.37
72	25mm Diameter	m	113.84
73	32mm Diameter  <u>Laid in ground (excavations measured elsewhere) :</u>	m	147.88
74	20mm Diameter	m	89.99
75	25mm Diameter	m	107.37
76	32mm Diameter	m	144.12
Bill No. 2 LOW TENSION DISTRIBUTION		Initial here.....	





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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Laid in ground and encased in 75mm x 75mm concrete (excavations measured elsewhere) :</u>		
77	20mm Diameter	m	99.29
78	25mm Diameter	m	118.14
79	32mm Diameter	m	150.61
	<u>Chased and/or fixed in brickwork not exceeding 3000mm above floor level (making good of chase by others) :</u>		
80	20mm Diameter	m	97.42
81	25mm Diameter	m	116.18
82	32mm Diameter	m	153.86
	<u>Fixed in dry wall partitioning not exceeding 3000mm above floor level :</u>		
83	20mm Diameter	m	93.90
84	25mm Diameter	m	112.32
85	32mm Diameter	m	147.03
	<u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc not exceeding 3000mm above floor level :</u>		
86	20mm Diameter	m	98.18
87	25mm Diameter	m	116.84
88	32mm Diameter	m	148.99
	<u>Suspended from steel trusses or concrete slab with and including hangers not exceeding 1000mm long and not exceeding 3000mm above floor level :</u>		
89	20mm Diameter	m	113.07
90	25mm Diameter	m	135.42
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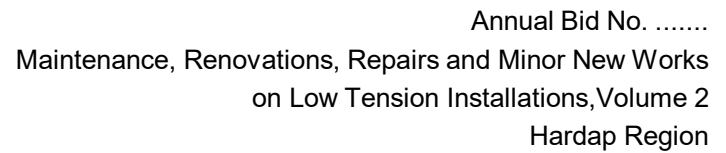
<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
91	32mm Diameter  <u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc not exceeding 3000mm above floor level :</u>	m	164.03
92	20mm Diameter	m	94.37
93	25mm Diameter	m	114.89
94	32mm Diameter  <b><u>RIGID PVC CONDUIT</u></b>  <u>Cast in concrete, surface bed or screed :</u>	m	148.90
95	20mm Diameter	m	42.82
96	25mm Diameter	m	52.75
97	32mm Diameter  <u>Laid in ground (excavations measured elsewhere) :</u>	m	70.02
98	20mm Diameter	m	44.16
99	25mm Diameter	m	53.04
100	32mm Diameter  <u>Chased and/or fixed in brickwork not exceeding 3000mm above floor level (making good of chase by others) :</u>	m	68.17
101	20mm Diameter	m	47.23
102	25mm Diameter	m	54.98
103	32mm Diameter	m	69.93
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Fixed in dry wall partitioning not exceeding 3000mm above floor level :</u>		
104	20mm Diameter	m	44.58
105	25mm Diameter	m	52.00
106	32mm Diameter	m	66.89
	<u>Surface mounted to brickwork, concrete, steel, wood, etc., not exceeding 3000mm above floor level :</u>		
107	20mm Diameter	m	48.61
108	25mm Diameter	m	56.91
109	32mm Diameter	m	72.31
	<u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc., not exceeding 3000mm above floor level :</u>		
110	20mm Diameter	m	55.86
111	25mm Diameter	m	67.95
112	32mm Diameter	m	84.24
	<b><u>FLEXIBLE CONDUIT</u></b>		
	<u>Light gauge PVC flexible conduit :</u>		
113	20mm Diameter x 300mm long complete with connectors at both ends	No	45.46
114	20mm Diameters x 1000mm long complete with connectors at both ends	No	76.32
115	25mm Diameter x 300mm long complete with connectors at both ends	No	49.88
116	25mm Diameter x 1000mm long complete with connectors at both ends	No	88.62
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>SLEEVES</u></b>		
	<b><u>Unplasticised polyvinyl chloride (UPVC) sleeve piping including short lengths and jointing, cast in concrete</u></b>		
123	25mm Diameter	m	62.10
124	50mm Diameter	m	95.46
125	110mm Diameter	m	146.08
	<b><u>Unplasticised polyvinyl chloride (UPVC) sleeve piping including short lengths and jointing, laid in trench (trench backfilling measured elsewhere)</u></b>		
126	25mm Diameter	m	66.55
127	50mm Diameter	m	101.61
128	110mm Diameter	m	154.99
	<b><u>Extra on UPVC piping for:</u></b>		
129	25mm Diameter long radius bend	No	82.42
130	50mm Diameter long radius bend	No	116.21
131	110mm Diameter long radius bend	No	186.86
	<b><u>EXCAVATIONS, ETC.</u></b>		
	<b><u>Excavate in earth and set excavated material aside for re-use as filling for:</u></b>		
132	Cable or sleeve trenches not exceeding 1m deep	m3	232.26
133	Extra over excavations in 'earth' for cable or sleeve trenches in 'soft rock'	m3	331.40
134	Extra over excavations in 'earth' for cable or sleeve trenches in 'hard rock'	m3	693.34
135	Selected and approved material from the excavations, in backfilling in trenches, to specified density	m3	475.33
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
136	Surplus material from the excavations spread and levelled over the site as directed	m3	466.17
	<b><u>SUNDRIES</u></b>		
137	Cable warning tape placed 150mm above cables in excavations	m	255.33
138	Concrete cable slabs placed 150mm above cables in excavations	m	644.16
139	5mm x 300mm PVC interlocking protection sheet complete with warning signs	m	308.32
140	Cable route markers	No	466.88
	<b><u>CHANNELS AND TRUNKING</u></b>		
	<u>Galvanised channeling :</u>		
141	O-L1000	m	290.81
142	Power skirting	m	747.47
143	UPS Plugs for power skirting	No	470.46
144	Power plugs for power skirting	No	427.05
145	O-L2000	m	271.61
146	O-L4000	m	277.42
147	O-L8000	m	317.23
148	O-L8300	m	337.16
149	O-L9000	m	386.31
	<u>PVC trunking "EGA" trunking :</u>		
150	16 x 16mm	m	38.90
151	25 x 16mm	m	48.27
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
152	40 x 16mm	m	66.86
153	40 x 25mm	m	76.83
154	40 x 40mm	m	87.11
	<b><u>WIRING AND CABLES</u></b>		
	<u>PVC wires :</u>		
155	1.5mm <sup>2</sup>	m	9.41
156	2.5mm <sup>2</sup>	m	12.49
157	4mm <sup>2</sup>	m	16.06
158	6mm <sup>2</sup>	m	24.10
159	10mm <sup>2</sup>	m	34.06
160	16mm <sup>2</sup>	m	146.48
	<u>Bare copper wires :</u>		
161	1.5mm <sup>2</sup>	m	369.58
162	2.5mm <sup>2</sup>	m	11.75
163	4mm <sup>2</sup>	m	15.83
164	6mm <sup>2</sup>	m	19.80
165	10mm <sup>2</sup>	m	25.84
166	16mm <sup>2</sup>	m	42.03
167	25mm <sup>2</sup>	m	65.35
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Silicone insulated wires asbestos :</u>		
168	2.5mm <sup>2</sup>	m	23.91
169	4mm <sup>2</sup>	m	32.12
170	6mm <sup>2</sup>	m	43.86
	<u>Underground cable PVC SWA PVC installed :</u>		
171	2 Core 2.5mm <sup>2</sup>	m	53.96
172	3 Core 2.5mm <sup>2</sup>	m	61.74
173	4 Core 2.5mm <sup>2</sup>	m	68.68
174	3 Core 4mm <sup>2</sup>	m	71.77
175	4 Core 4mm <sup>2</sup>	m	86.54
176	2 Core 6mm <sup>2</sup>	m	77.78
177	3 Core 6mm <sup>2</sup>	m	94.87
178	4 Core 6mm <sup>2</sup>	m	107.81
179	2 Core 10mm <sup>2</sup>	m	104.52
180	3 Core 10mm <sup>2</sup>	m	119.02
181	4 Core 10mm <sup>2</sup>	m	144.89
182	2 Core 16mm <sup>2</sup>	m	138.81
183	3 Core 16mm <sup>2</sup>	m	160.23
184	4 Core 16mm <sup>2</sup>	m	204.39
185	2 Core 25mm <sup>2</sup>	m	209.90
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186	3 Core 25mm <sup>2</sup>	m	279.81
187	4 Core 25mm <sup>2</sup>	m	309.83
188	4 Core 35mm <sup>2</sup>	m	401.49
189	4 Core 50mm <sup>2</sup>	m	508.76
190	4 Core 70mm <sup>2</sup>	m	735.24
191	4 Core 95mm <sup>2</sup>	m	977.52
192	4 Core 120mm <sup>2</sup>	m	1,147.76
	<u>Surfix cables installed:</u>		
193	1.5mm <sup>2</sup> Surfix cable 2 core + Earth	m	33.74
194	1.5mm <sup>2</sup> Surfix cable 3 core + Earth	m	41.59
195	2.5mm <sup>2</sup> Surfix cable 2 core + Earth	m	43.64
196	2.5mm <sup>2</sup> Surfix cable 3 core + Earth	m	50.64
197	2.5mm <sup>2</sup> Surfix cable 4 core + Earth	m	59.77
198	4mm <sup>2</sup> Surfix cable 2 core + Earth	m	62.78
199	4mm <sup>2</sup> Surfix cable 3 core + Earth	m	74.95
200	4mm <sup>2</sup> Surfix cable 4 core + Earth	m	84.11
	<b><u>CABLE TERMINATIONS OF THE FOLLOWING CABLES</u></b>		
201	2 Core 2.5mm <sup>2</sup>	No	112.89
202	3 Core 2.5mm <sup>2</sup>	No	114.62
203	2 Core 4mm <sup>2</sup>	No	126.36
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204	3 Core 4mm <sup>2</sup>	No	139.91
205	4 Core 4mm <sup>2</sup>	No	147.46
206	2 Core 6mm <sup>2</sup>	No	146.50
207	3 Core 6mm <sup>2</sup>	No	142.64
208	4 Core 6mm <sup>2</sup>	No	150.46
209	2 Core 10mm <sup>2</sup>	No	154.51
210	10mm <sup>2</sup> Wire termination	No	76.56
211	3 Core 10mm <sup>2</sup>	No	168.81
212	4 Core 10mm <sup>2</sup>	No	173.78
213	2 Core 16mm <sup>2</sup>	No	176.71
214	16mm <sup>2</sup> Wire termination	No	106.68
215	3 Core 16mm <sup>2</sup>	No	208.68
216	4 Core 16mm <sup>2</sup>	No	242.76
217	2 Core 25mm <sup>2</sup>	No	248.21
218	3 Core 25mm <sup>2</sup>	No	252.28
219	4 Core 25mm <sup>2</sup>	No	259.22
220	4 Core 35mm <sup>2</sup>	No	389.70
221	4 Core 50mm <sup>2</sup>	No	532.55
222	4 Core 70mm <sup>2</sup>	No	640.12
223	4 Core 95mm <sup>2</sup>	No	774.81
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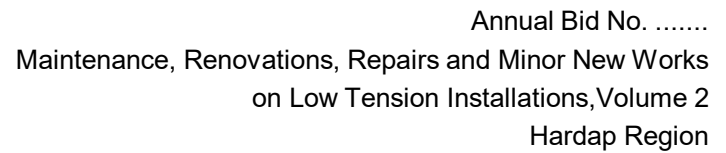
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224	Welding cable termination	No	201.21
225	4 Core 120mm <sup>2</sup>	No	945.61
	<u>PVC Cable terminations:</u>		
226	No 0 glands	No	48.72
227	No 1 glands	No	51.09
228	No 2 glands	No	64.56
	<u>Metal Cable terminations:</u>		
229	No 0 glands	No	99.46
230	No 1 glands	No	131.63
231	No 2 glands	No	209.05
232	No 3 glands	No	304.97
233	No 4 glands	No	464.67
234	No 5 glands	No	674.28
235	No 6 glands	No	850.86
236	No 7 glands	No	1,079.87
	<u>Cable joints PVC "Pratley" or "Scotch" to the following :</u>		
237	2 Core 2.5mm <sup>2</sup>	No	292.54
238	3 Core 2.5mm <sup>2</sup>	No	293.02
239	2 Core 4mm <sup>2</sup>	No	310.05
240	3 Core 4mm <sup>2</sup>	No	371.41
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
241	4 Core 4mm <sup>2</sup>	No	380.85
242	2 Core 6mm <sup>2</sup>	No	439.48
243	3 Core 6mm <sup>2</sup>	No	446.51
244	4 Core 6mm <sup>2</sup>	No	465.60
245	2 Core 10mm <sup>2</sup>	No	480.95
246	3 Core 10mm <sup>2</sup>	No	514.61
247	4 Core 10mm <sup>2</sup>	No	534.17
248	2 Core 16mm <sup>2</sup>	No	562.99
249	3 Core 16mm <sup>2</sup>	No	572.35
250	4 Core 16mm <sup>2</sup>	No	633.83
251	2 Core 25mm <sup>2</sup>	No	787.18
252	3 Core 25mm <sup>2</sup>	No	858.86
253	4 Core 25mm <sup>2</sup>	No	1,041.76
254	4 Core 35mm <sup>2</sup>	No	1,234.38
255	4 Core 50mm <sup>2</sup>	No	1,526.40
256	4 Core 95mm <sup>2</sup>	No	2,394.89
257	4 Core 70mm <sup>2</sup>	No	2,007.27
258	4 Core 95mm <sup>2</sup>	No	2,661.44
259	4 Core 120mm <sup>2</sup>	No	4,162.96
Bill No. 2 LOW TENSION DISTRIBUTION		Initial here.....	



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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>SWITCHES</u></b>		
	<u>16Amp switches :</u>		
264	Single lever industrial type surface mounted	No	189.06
265	Two lever industrial type surface mounted	No	260.57
266	Three lever industrial type surface mounted	No	683.58
267	Rotary water tight industrial type surface mounted	No	374.74
268	1 Lever 1 way flush with cover plate	No	125.78
269	1L Two way complete	No	156.07
270	Intermediate complete	No	353.68
271	2L Two way complete	No	212.85
272	3L Two way complete	No	253.84
273	1L One way switch without cover plate	No	140.49
274	1L Two way switch without cover plate	No	133.77
275	2L One way complete	No	164.35
276	3L One way complete	No	213.56
	<u>Pull switch 10Amp :</u>		
277	Complete with cord	No	233.90
278	Replacement of cord	No	67.31
279	"Eagle" type pull switch	No	219.08
	 Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Daylight switches :</u>		
280	10 Amp dimmer switch	No	876.20
281	24 Hours timers with spring reserve	No	1,087.10
282	10 Amp including mounting bracket surface mounted as national or other equal or approved	No	853.28
283	10 Amp "window" mounted in boards or kiosks with adjustable sensitivity and separate rail mounted switching unit similar or equal to BBT	No	715.81
	<u>Cover only for one lever switch :</u>		
284	Metal ivory	No	49.65
285	PVC	No	42.87
	<u>Cover only for two lever switch :</u>		
286	Metal ivory	No	49.86
287	PVC	No	42.87
	<u>Cover only for three lever switch :</u>		
288	Metal ivory	No	49.00
289	PVC	No	42.74
	<u>Bell items :</u>		
290	10A Single lever bell switch	No	163.50
291	22V/12V Standard bell transformer rail mounted	No	715.59
292	110mm Diameter, 220V bell unit	No	884.05
	<u>Bell transformers :</u>		
293	Transformer 220-12-24V	No	591.08
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
294	80mm Diameter, 24V bell units	No	745.89
	<u>Sirens :</u>		
295	220V 500m	No	1,335.01
296	220V 1000m	No	1,657.76
	<u>Socket outlet :</u>		
297	Surface type industrial metal switched socket outlet	No	259.94
298	Water tight switched socket outlet (surface mounted)	No	382.08
299	Water tight surface socket outlet PVC	No	399.07
	<u>Flush mounted :</u>		
300	Single outlet 100 x 50mm complete with cover	No	182.46
301	Double outlet 100 x 50mm complete with cover	No	200.21
302	Single outlet 100 x 100mm complete with cover	No	201.27
303	Double outlet 100 x 100mm complete with cover	No	231.93
	<u>Cover only to single outlet 100mm x 50mm :</u>		
304	UPS skirting plug	No	65.60
305	Standard power skirting plug	No	65.60
306	Metal ivory	No	57.81
307	PVC	No	54.78
	<u>Cover only to single outlet 100mm x 100mm :</u>		
308	Metal ivory	No	61.57
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
309	PVC  <u>Cover only to double outlet 100mm x 100mm :</u>	No	55.16
310	Metal ivory	No	64.49
311	PVC  <u>Replace or install the following extension boxes :</u>	No	60.05
312	100 x 50mm	No	76.01
313	100 x 100mm  <u>Galvanised wall boxes for switches or socket outlets :</u>	No	91.42
314	100 x 50mm	No	74.63
315	100 x 100mm  <u>In concrete :</u>	No	82.64
316	100 x 50mm	No	77.39
317	100 x 100mm  <u>PVC surface "EGA" boxes :</u>	No	91.31
318	100 x 50mm	No	76.38
319	100 x 50mm Blank cover only	No	67.73
320	100 x 100mm	No	92.81
321	100 x 100mm Blank cover only  <u>Draw boxes miscellaneous junctions :</u>	No	70.88
322	60mm Diameter PVC	No	64.92
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
323	60mm Diameter metal	No	97.60
	<b><u>ISOLATORS UP TO 63 AMP</u></b>		
	<u>Double pole isolators only :</u>		
324	Double pole isolator, rail mounted	No	620.39
325	As above, but surface mounted including enclosure	No	795.95
326	Triple pole isolator, rail mounted	No	797.91
327	As above, but surface mounted including enclosure	No	1,008.19
	<b><u>INDUSTRIAL POWER PLUGS</u></b>		
	<u>Single Phase:</u>		
328	16Amp 110Volt	No	403.81
329	16Amp, 230Volt	No	471.37
330	32Amp 230Volt	No	648.52
331	125Amp, 230Volt	No	1,939.86
	<u>Three Phase:</u>		
332	16Amp 380Volt	No	479.21
333	16Amp, 415Volt	No	548.02
334	32Amp 380Volt	No	634.09
335	32Amp, 415Volt	No	1,111.29
336	63Amp 380Volt	No	1,667.56
337	63Amp, 415Volt	No	2,302.26
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
338	125Amp, 380Volt	No	3,568.66
339	125Amp, 415Volt	No	3,860.01
	<b><u>MINIATURE CIRCUIT BREAKER 2.5Ka "HEINEMAN"</u></b>		
	<u>Single pole :</u>		
340	1-10 Amp	No	273.73
341	15-25 Amp	No	283.06
342	30-40 Amp	No	288.85
343	45-60 Amp	No	299.75
	<u>Double pole :</u>		
344	1-10 Amp	No	845.66
345	15-25 Amp	No	935.09
346	30-40 Amp	No	950.95
347	45-60 Amp	No	984.07
	<u>Triple pole :</u>		
348	1-10 Amp	No	1,165.22
349	15-25 Amp	No	1,291.99
350	30-40 Amp	No	1,322.58
351	45-60 Amp	No	1,312.38
	<b><u>MINIATURE CIRCUIT BREAKER 6Ka "HEINEMAN"</u></b>		
	Bill No. 2 LOW TENSION DISTRIBUTION		
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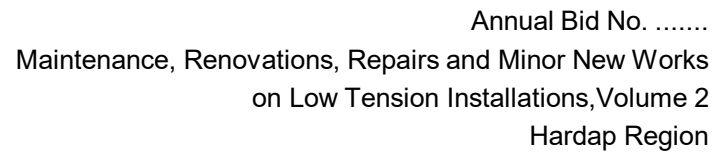
<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Single pole :</u>		
352	1-10 Amp	No	291.95
353	15-25 Amp	No	305.19
354	30-40 Amp	No	313.05
355	45-60 Amp	No	336.13
356	80-100 Amp	No	502.44
357	125-175 Amp	No	763.04
	<u>Double pole :</u>		
358	1-10 Amp	No	878.84
359	15-25 Amp	No	929.54
360	30-40 Amp	No	953.25
361	45-60 Amp	No	1,077.53
362	80-100 Amp	No	1,904.63
	<u>Triple pole :</u>		
363	1-10 Amp	No	1,226.08
364	15-25 Amp	No	1,291.50
365	30-40 Amp	No	1,339.56
366	45-60 Amp	No	1,340.68
367	80-100 Amp	No	2,256.84
	<b><u>MINIATURE CIRCUIT BREAKER 6Ka "DIN"</u></b>		
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Single pole :</u>		
368	1-3 Amp	No	467.57
369	5-25 Amp	No	502.27
370	32-45 Amp	No	522.31
371	50-63 Amp	No	606.10
372	80 Amp	No	975.94
	<u>Double pole :</u>		
373	1-3 Amp	No	906.36
374	5-25 Amp	No	1,065.97
375	32-45 Amp	No	1,110.82
376	50-63 Amp	No	1,240.28
377	80 Amp	No	1,677.48
	<u>Triple pole :</u>		
378	1-3 Amp	No	1,401.13
379	5-25 Amp	No	1,396.89
380	32-45 Amp	No	1,468.31
381	50-63 Amp	No	1,603.42
382	80 Amp	No	2,568.45
	<b><u>"JSO" CIRCUIT BREAKERS</u></b>		
383	100 ATP	No	3,492.75
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>MINIATURE EARTH LEAKAGE UNIT WITH OVERLOAD PROTECTION 6Ka "HEINEMAN"</u></b>		
	<u>Single pole :</u>		
392	15-30 Amp	No	3,058.98
393	40-60 Amp	No	3,130.57
394	80-100 Amp	No	3,920.54
	<u>Triple pole :</u>		
395	15-30 Amp	No	4,961.78
396	40-60 Amp	No	5,141.07
397	80-100 Amp	No	7,174.88
	<b><u>MINIATURE EARTH LEAKAGE UNIT WITH OVERLOAD PROTECTION 6Ka "DIN"</u></b>		
	<u>Single pole :</u>		
398	5-25 Amp	No	1,302.95
399	32-45 Amp	No	1,441.19
400	50-63 Amp	No	1,701.82
	<u>Triple pole :</u>		
401	5-25 Amp	No	2,487.98
402	32-45 Amp	No	2,658.88
403	50-63 Amp	No	3,848.20
	<b><u>MINIATURE EARTH LEAKAGE UNIT WITHOUT OVERLOAD PROTECTION 5ka "HEINEMAN"</u></b>		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Single pole :</u>		
404	15-30 Amp	No	2,329.02
405	40-60 Amp	No	2,148.78
	<u>Triple pole :</u>		
406	15-30 Amp	No	4,649.49
407	40-60 Amp	No	5,289.01
	<b><u>MINIATURE EARTH LEAKAGE UNIT WITHOUT OVERLOAD PROTECTION 3Ka "DIN"</u></b>		
	<u>Single pole :</u>		
408	5-25 Amp	No	2,036.49
409	32-45 Amp	No	2,194.17
410	50-63 Amp	No	2,451.84
	<u>Single pole :</u>		
411	5-25 Amp	No	2,653.94
412	32-45 Amp	No	2,864.00
413	50-63 Amp	No	3,621.41
414	Miniature adaptor clips	No	688.22
	<b><u>CONTACTOR 220V SIMILAR TO "DIL CONTRACTORS KLOCKNER MOLLER"</u></b>		
415	3kW	No	958.52
416	5.5kW	No	1,095.42
417	11kW	No	1,496.14
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
418	15kW	No	1,890.36
	<b><u>CONTACTOR 380V SIMILAR TO "DIL CONTRACTORS KLOCKNER MOLLER"</u></b>		
419	11kW	No	1,847.50
420	15kW	No	2,202.71
421	22kW	No	3,051.17
422	30kW	No	3,880.58
	<b><u>ENERGY CONTROL UNITS "HEINEMANN"</u></b>		
423	SA-ECU 21A/15A	No	1,398.75
424	SA-ECU 21A/25A	No	1,564.08
	<b><u>SAFETY BLANKS INSTALLED FOR COVERING</u></b>		
425	Safety blank ("Samite")	No	34.74
426	Blanking plate per module ("DIN")	No	65.90
	<b><u>TIMERS 220V</u></b>		
427	24 Hours time, setting with 15 minutes intervals	No	1,510.11
428	72 Hours spring reserve, rail mounted	No	1,757.21
429	Surface enclosure and accessories for above only	No	824.92
	<b><u>METAL PENDANT FITTING</u></b>		
	<u>Aluminium rod pendant with fluted oval glass with open bottom entry minimum 900mm diameter, suitable for 60W lamps - similar or equal to "BEKA DR-1" :</u>		
430	1 Light pendant fitting complete	No	519.31
431	2 Light pendant fitting complete	No	654.78
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
432	3 Light pendant fitting complete	No	1,087.80
433	1 Light wall bracket	No	397.48
434	Fluted glass for replacement only	No	236.05
	<u>Oval open bottom polycarbonate fitting similar or equal to "LASCON V2/0" :</u>		
435	Porcelain gallery	No	135.40
	<u>Oval spherical bowl fitting gallery only scewneck 78mm diameter :</u>		
436	Ceiling porcelain	No	398.40
437	Angle porcelain	No	501.64
	<u>Oval spherical bowl fitting gallery only scewneck 100mm diameter :</u>		
438	Ceiling porcelain	No	148.03
439	Angle porcelain	No	185.77
	<u>Oval spherical bowls only :</u>		
440	150mm Diameter glass	No	98.66
441	180mm Diameter glass	No	210.22
442	180mm Diameter polycarbonate	No	165.58
	<u>Round bulkhead fitting with white reflector and clear polycarbonate similar or equal to "UNILUX 7610" :</u>		
443	With lampholder - 100W ES fitting complete	No	634.54
444	With lampholder - 1PL9 fitting complete	No	1,251.99
445	With lampholder - 2PL9 fittings complete	No	1,232.17
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Square bulkhead fitting with white reflector and clear polycarbonate similar or equal to "LASCON B20" :</u>		
446	With lampholder - 100W ES fitting complete	No	1,590.65
447	With lampholder - 1PL9 fitting complete	No	1,022.58
448	With lampholder - 2PL9 fittings complete	No	925.28
	<u>Wellglass fitting :</u>		
449	Complete as type "Waco" 100 watt with 20mm diameter screwed entry	No	189.23
	<u>Sundries :</u>		
450	Shave/mirror light with safety isolation transformer as "Legrand Type 60665" or other equal and approved	No	1,483.63
451	Angle bulkhead fittings as "Lascon B15"	No	569.14
452	Brass batten lampholder "BC"	No	78.00
453	Brass batten lampholder "BC", 100mm entry with shade ring	No	85.44
	<b><u>FLUORESCENT FITTINGS COMPLETE WITH TUBES COMMERCIAL TYPE SIMILAR OR EQUAL TO "ZUMTOBEL ZLN SYSTEM"</u></b>		
	<u>Fluorescent "GEA" tray complete with mounting bracket (cover) for surface insallation switch start, but excluding diffusers, standard bi-pin lampholders instead of the ratchet type are not acceptable :</u>		
454	1 x 18W	No	556.32
455	2 x 18W	No	706.45
456	1 x 36W	No	599.25
457	2 x 36W	No	763.11
458	1 x 58W	No	721.72
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
459	2 x 58W  <u>Brightness recessed fittings :</u>	No	919.09
460	2 x 36W Low	No	1,945.87
461	4 x 36W Low  <u>Fluorescent fittings with water tight polycarbonate diffuser "IP65" :</u>	No	1,978.37
462	1 x 58W	No	1,317.06
463	2 x 58W  <u>Surface mounted fluorescent fittings complete with tubes and prismatic diffuser similar or equal to "Lascon M6" :</u>	No	1,881.59
464	1 x 36W	No	854.09
465	2 x 36W	No	1,000.95
466	1 x 58W	No	1,074.37
467	2 x 58W  <u>Down lights complete</u>  <u>Same as above but suitable for installations in prisons. The fittings shall be equal or similar to :</u>	No	1,183.27
468	"Unilux 7612-2PL9" with "Allen-Key" to fasten the diffusers  <u>SECURITY FLOODLIGHTS</u>  <u>Complete with lamp but excluding mounting pole. Tungsten halogen or similar or equal to "Beka DL" or "Lascon L2" :</u>	No	2,250.07
469	Halogen 300 - 500W	No	462.35
470	Halogen 100W	No	386.79
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
471	Halogen 150W	No	380.21
	<u>Discharge luminaries similar or equal to "Lascon L114ST" with asymmetrical reflector :</u>		
472	70/HP-E (Symmetrical reflector only)	No	2,219.69
473	-125W/MV-E (Symmetrical reflector only)	No	1,898.20
474	-250W/HP-T	No	3,388.22
475	-400W/HPD-T	No	4,248.01
476	Securi flood 2 x 250Watt HPS	No	10,394.53
477	Securi flood 2 x 400Watt HPS	No	10,368.15
	<b><u>STREET AND PARKING AREA LIGHTS</u></b>		
	<u>Complete with lamp including installation but excluding mounting pole, similar or equal to "Beakalux" or "Lascon SL1" :</u>		
478	-80W/MV-E	No	2,101.83
479	-125W/MV-E	No	2,188.38
480	-250W/MV-E	No	4,117.18
481	-400W/MV-E	No	6,728.35
482	-70W/HPS-E	No	2,590.42
483	-100W/HPS-E	No	3,115.11
484	-150W/HPS-E	No	3,532.67
485	-250W/HPS-E	No	4,842.07
486	-400W/HPS-E	No	7,469.23
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Item No		Unit	Rate
	<u>Complete with lamp including installation but excluding mounting pole, similar or equal to "Beka Decor" or "Lascon SK3/SK4" :</u>		
487	-200W/ES	No	2,119.09
488	-160W/MB	No	2,283.46
489	-125W/MV-E	No	2,562.48
490	-70W/HPS-E	No	2,529.05
	<u>Area lights - wall mounted similar or equal to "Lascon B41" :</u>		
491	-125W/MV-E	No	3,654.00
492	-70W/HPS-E	No	3,083.13
<p>Bill No. 2  LOW TENSION DISTRIBUTION</p> <p>Initial here.....</p>			



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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>MOUNTING POLES WITHOUT CANTILEVER INCLUDING INSTALLATION BUT EXCLUDING POLE HOLE AND CONCRETE BASE (LPH = LIGHT POINT HEIGHT)</u></b>		
	<u>Galvanised poles :</u>		
493	3m LPH	No	3,767.36
494	4m LPH	No	4,638.39
495	6m LPH	No	6,325.98
496	8m LPH	No	7,794.63
	<u>Fibreglass poles :</u>		
497	3m LPH	No	4,545.29
498	4m LPH	No	5,562.13
499	6m LPH	No	7,403.08
500	8m LPH	No	11,027.72
	<u>Wooden poles :</u>		
501	6m Length including installation but excluding pole hole	No	2,701.69
502	9.3m Length including installation but excluding pole hole	No	2,977.01
	<u>PVC sleeve pipes with draw wire :</u>		
503	110mm On surface (in trench or similar)	m	281.39
504	110mm In brick	m	305.68
505	110mm In concrete	m	956.29
	<u>Pitch fibre (Class C) sleeve pipes with draw wire :</u>		
506	110mm On surface (in trench or similar)	m	342.85
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
507	110mm In brick	m	355.98
508	110mm In concrete	m	332.27
	<b><u>LAMPS</u></b>		
	<u>Incandescent 40 - 100 watt "BC" or "ES" 250 volts lamps :</u>		
509	1 - 5 Lamps	No	33.45
510	1 - 25 Lamps	No	33.45
511	More than 25 lamps	No	40.04
	<u>Incandescent 150 - 200 watt "BC" or "ES" 250 volts lamps :</u>		
512	1 - 5 Lamps	No	53.09
513	1 - 25 Lamps	No	53.09
514	More than 25 lamps	No	51.97
	<b><u>TUBES</u></b>		
	<u>Fluorescent 610mm - 18 watt white "SS" or "RS" lamps :</u>		
515	1 - 5 Lamps	No	53.77
516	1 - 25 Lamps	No	53.77
517	More than 25 lamps	No	54.69
	<u>Fluorescent 1 220mm x 36mm - 36 watt white "SS" lamps :</u>		
518	1 - 5 Lamps	No	56.71
519	1 - 25 Lamps	No	56.71
520	More than 25 lamps	No	57.40
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Fluorescent 1 220mm 40 watt white "RS" :</u>		
521	1 - 5 Lamps	No	67.72
522	1 - 25 Lamps	No	67.70
523	More than 25 lamps	No	69.95
	<u>Fluorescent 1 524mm 58 watt white "SS" lamps :</u>		
524	1 - 5 Lamps	No	63.22
525	1 - 25 Lamps	No	64.23
526	More than 25 lamps	No	67.13
	<u>Fluorescent 2 440mm (8ft) 58 watt white "Slimline" lamps :</u>		
527	1 - 5 Lamps	No	102.40
528	1 - 25 Lamps	No	101.63
529	More than 25 lamps	No	135.86
	<u>Fluorescent saving lamps :</u>		
530	"Phillips SL" 9 watt	No	763.46
531	"Phillips SL" 18 watt	No	124.32
532	"PL" 7 watt	No	88.13
533	"PL" 9 watt	No	87.48
534	"PL" 11 watt	No	115.15
535	"PL" 13 watt	No	95.34
536	"2D" 16 watt	No	92.79
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>LAMPS</u></b>		
	<u>Tungsten halogen 250 volt :</u>		
537	300/500 Watt	No	114.63
538	1000 Watt	No	135.30
539	1500 Watt	No	191.67
	<u>Mercury vapour :</u>		
540	80 Watt	No	124.12
541	125 Watt	No	158.28
542	250 Watt	No	291.69
543	400 Watt	No	311.17
544	160 Watt mercury blended	No	236.55
	<u>High pressure sodium :</u>		
545	70 Watt HPS - E	No	373.09
546	100 Watt HPS - E	No	476.81
547	50 Watt HPS - E	No	472.23
548	250 Watt HPS - E	No	327.51
549	400 Watt HPS - E	No	335.47
550	250 HPS - T	No	334.28
551	400 HPS - T	No	327.83
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Energy saving bulbs "BC" or "ES" :</u>		
552	9 Watt	No	72.22
553	12 Watt	No	70.97
554	14 Watt	No	74.13
555	24 Watt	No	123.86
	<u>Control gear for "HPS / MV" :</u>		
556	MW choke 80W	No	328.55
557	MW choke 400W	No	514.79
558	MW choke 250W	No	580.81
559	MW choke 400W	No	608.13
560	HPS choke 100W	No	463.24
561	HPS choke 150W	No	632.53
562	HPS choke 250W	No	691.03
563	HPS choke 400W	No	654.98
564	HPS ignitor 100W	No	324.34
565	HPS ignitor 150W	No	320.74
566	HPS ignitor 250W/400W	No	280.06
567	Capacitor 25uF/250V	No	181.25
568	Capacitor 8uF/250V	No	289.33
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<u>Control gear for fluorescent fittings :</u>		
569	"Slimline" 2 x 75W	No	573.08
570	Rapid start 2 x 40W	No	425.78
571	1 x 20W switch start ballast	No	119.63
572	1 x 40W switch start ballast	No	170.14
573	1 x 60W switch start ballast	No	144.96
574	1 x Capacitor for 40 Watt lamp	No	134.04
575	1 x Capacitor for 65 Watt lamp	No	1,433.37
576	PL - 7 - 9W ballast	No	153.96
577	PL 11W ballast	No	150.22
578	2PL - 7 - 9W ballast	No	186.58
579	2PL - 13W ballast	No	191.50
580	2D - 16W ballast	No	218.57
	<u>Lampholders fluorescent :</u>		
581	Telescope type two pin	No	116.40
582	Telescope type single pin	No	109.93
583	Ratchet type one lamp fitting	No	89.73
584	Ratchet type two lamp fitting	No	89.44
	<u>Starters for fluorescent fittings :</u>		
585	4 - 80 Watt universal type "S10"	No	58.07
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
586	Lamps with diachroid reflector	No	148.45
587	20W	No	107.60
588	35W	No	107.37
589	50W	No	154.79
	<u>Safety transformers 220V/12V with fuse and protected terminals :</u>		
590	50W	No	666.76
591	200W	No	815.27
	<b><u>ELECTRIC GEYSERS</u></b>		
592	Replace thermostat	No	527.22
593	Spiral type hardwater 2kW	No	738.48
594	Replace element (for porcelain type element)	No	737.88
595	Replace spiral type element hardwater 3kW	No	845.81
596	Replace 3kW element ("Sadia" geyser)	No	705.77
597	Replace 0.75kW immersion type element	No	673.65
598	Replace 1.5kW immersion type element	No	675.49
599	Replace 2kW immersion type element	No	815.18
600	Replace kwick heat blue element with thermostat 2kW	No	1,207.04
601	Replace 3kW immersion type element	No	1,061.88
	<b><u>EXISTING INSTALLATIONS : GENERAL WORK</u></b>		
602	Replace indoor type lighting arrestor	No	731.42
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
603	Replace hinges of outdoor meter box or distribution board	No	360.80
604	Replace door catch of outdoor meter box or distribution board	No	412.10
605	Replace staple and hasp	No	487.40
606	Replace indoor distribution board face plate	No	669.47
607	Replace indoor distribution board door	No	688.22
608	Cover for outdoor distribution board	No	704.15
	<u>Replace "Yorkshire" fuse or circuit breaker with "New Pole" type circuit breaker and drip-roof box :</u>		
609	Single phase	No	1,086.29
610	Three phase	No	1,699.36
611	Connect/disconnect existing power supply to electrical appliances, motors or other equipment	No	393.80
	<u>Replace "HRC" fuse cartridges :</u>		
612	0.5 - 15 Ampere	No	214.67
613	60 - 100 Ampere	No	438.31
614	150 - 200 Ampere	No	675.35
615	300 - 400 Ampere	No	1,041.69
616	500 Ampere	No	1,314.60
	<b><u>EARTHING AND BONDING</u></b>		
617	Earthing of metal roof with 50mm <sup>2</sup> copper wire in 25mm conduit connected to 1,5mm earth spike	No	846.35
618	Earthing and bonding of roof, downpipes and gutter (per bumper strap of connection, not exceeding 1 metre)	No	388.44
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
619	Bond waste pipes to cold water pipes (not exceeding 1 metre length)	No	460.30
	<b><u>CABLE CONNECTION TO MAIN POWER OVERHEAD DISTRIBUTION LINE</u></b>		
	<u>Including fastening of cable into standard municipal wooden pole by stainless steel strappers, wire clamps to Q.H. wires and trenching shall be EXCLUDED :</u>		
620	Single phase + neutral	No	1,370.93
621	Three phase + neutral	No	1,546.90
	<b><u>COVERS ONLY TO OUTDOORS DB</u></b>		
622	SK0	No	768.09
623	SK2	No	1,025.65
624	SK3	No	918.22
625	SK5	No	1,433.11
	<b><u>METER BOARDS, DISTRIBUTION BOARDS AND SUPPLY MAINS</u></b>		
	<u>Flush Mounted:</u>		
626	2 Way	No	1,915.04
627	4 Way	No	2,574.75
628	6 Way	No	3,920.77
629	8 Way	No	4,869.72
630	10 Way	No	4,738.25
631	12 Way	No	6,187.35
632	15 Way	No	7,186.26
633	18 Way	No	8,192.76
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
634	24 Way	No	8,853.98
635	36 Way	No	9,929.78
636	45 Way	No	11,904.87
	<u>Flush Mounted with Galvanised Steel Tray:</u>		
637	12 Way	No	7,262.00
638	15 Way	No	7,827.52
639	18 Way	No	8,635.63
	<u>Surface Mounted:</u>		
640	2 Way	No	2,115.93
641	4 Way	No	3,272.39
642	6 Way	No	3,996.58
643	8 Way	No	4,496.60
644	10 Way	No	4,738.06
645	12 Way	No	5,307.74
646	15 Way	No	6,192.78
647	18 Way	No	7,081.92
648	24 Way	No	8,112.40
649	36 Way	No	10,596.89
650	45 Way	No	12,837.32
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>FIBREGLASS DISTRIBUTION KIOSK COMPLETE</u></b>		
651	6 Way double door	No	11,560.56
652	12 Way double door	No	15,796.61
653	18 Way double door	No	18,660.64
	<b><u>SUPPLY AND INSTALLATION OF CABLE ENTRY SLEEVES AND CHANNELS</u></b>		
654	Internal supply mains from meterboard to DB consisting of 2 x 16mm PVC insulated conductors and 1 x 10mm BC earth wire per metre run	m	953.12
655	Internal supply mains from roof to meter board as item above and including roof connection as per std.spc WS20	m	485.86
656	Overhead bundle conductors	m	402.92
657	Supply and install single phase roof box	No	1,308.31
658	Supply and install three phase roof box	No	1,888.78
	<b><u>INSTALL AND CONNECT ISOLATOR, EARTH LEAKAGE OR CIRCUIT BREAKER AT DB. MATERIAL SUPPLIED BY OTHERS</u></b>		
659	Single pole	No	375.78
660	Double pole	No	527.62
661	Triple pole	No	825.47
	<b><u>REWIRING OF EXISTING LIGHT CIRCUIT</u></b>		
662	Rewire existing light circuit to meet standard of wiring. The price shall be given per metre circuit-run, but shall EXCLUDE all necessary disconnection and reconnection or appliances removal work. Termination work at the distribution board as well as withdraw of existing wires shall be INCLUDED	m	154.04
	Bill No. 2 LOW TENSION DISTRIBUTION		
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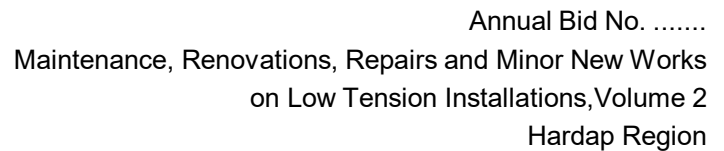
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>DISCONNECT, REMOVE, REINSTALL AND RECONNECT</u></b>		
663	Light switches for above	No	585.81
	<b><u>LIGHT FITTINGS OF VARIOUS TYPES AS MENTIONED PREVIOUSLY</u></b>		
664	1 - 5 Fittings	No	629.81
665	1 - 25 Fittings	No	2,883.56
666	More than 25 fittings	No	5,677.27
	<b><u>SOCKET OUTLET POINTS</u></b>		
667	Rewire existing socket circuit by means of 2 x 4mm <sup>2</sup> PVC wires plus 2.5mm <sup>2</sup> BCEW. The price shall be given per metre circuit-run, but shall EXCLUDE all necessary disconnection and reconnection or appliances removal work. Termination work at the distribution board as well as withdrawing of existing wires shall be included	m	180.71
668	Single switched socket	No	238.28
669	Dual switched socket	No	363.44
	<b><u>INSTALL STOVE OUTLET POINT</u></b>		
670	Stove isolator	No	456.81
671	Withdraw existing stove circuit wiring and rewire to include 2 x 6mm 253 conductors plus 4mm <sup>2</sup> earth wire (invoiced per metre run)	m	346.78
672	Withdraw existing stove circuit wiring and rewire to include 2 x 6mm 253 conductors plus 4mm <sup>2</sup> earth wire (invoiced per metre run)	m	481.16
673	Replace flexible stove connection consisting 2 x 6mm <sup>2</sup> PVC conductors plus 4mm <sup>2</sup> earth wire in "Kopex" tubing. Allow for 1.50 metre 25mm tubing with compression glands	No	559.98
	<b><u>GEYSER CONNECTIONS</u></b>		
674	Withdraw existing geyser circuit wiring and rewire to include 2 x 4mm <sup>2</sup> PVC conductors plus 2.5mm <sup>2</sup> earth wire (invoiced per metre run)	m	264.63
	Bill No. 2 LOW TENSION DISTRIBUTION		
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
675	Replace 20mm sprague connection with 20mm flexible "Kopex" connection per metre length including disconnection and reconnection of conductors and 2 x glands	m	339.57
	<b><u>WEATHERPROOF AND GEYSERS</u></b>		
676	Replace weatherproof isolator	No	913.91
677	Install weatherproof isolator	No	910.07
678	Install geyser connection excluding weatherproof isolator	No	757.19
679	Isolator to include 2 x 4mm <sup>2</sup> conductors plus 2.5mm <sup>2</sup> earthwire per metre run	m	433.03
	<b><u>SUNDRIES</u></b>		
680	One lever two way type surface mounted	No	294.00
681	Three lever two way type surface mounted	No	369.97
682	Surface type dual industrial metal switch socket	No	422.16
683	Flush mounted 100mm x 50mm computer switch plug + cover	No	372.46
684	Single outlet 100mm x 100mm computer switch plug + cover	No	434.71
685	Dual outlet 100mm x 100mm computer switch plug + cover	No	432.16
686	Round blank cover plate	No	34.96
687	Metal round blank cover plate oversize	No	60.92
688	Metal round blank cover plate oversize with knockout	No	300.56
689	Contractor 240V complete	No	1,950.49
690	Disconnection of single phase + neutral	No	422.46
691	Disconnection of three phase + neutral	No	566.96
	Bill No. 2 LOW TENSION DISTRIBUTION		
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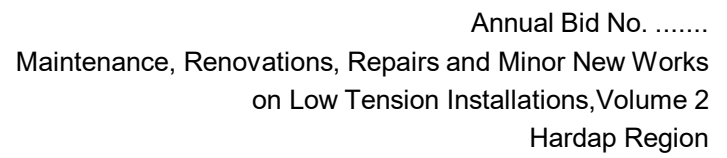


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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>BILL No 3</u></b>  <b><u>NON-SCHEDULED WORK</u></b>  <b><u>NOTES</u></b>  1. The following must be priced by the Tenderer. Failure to do so or to only price some of the items in this Bill will result in the Tenderer being DISQUALIFIED.  2. Tenderers are to take note of the method of calculating the Contract Sum and the order of calculating the Contract Sum as clearly specified and stated in Volume 1 and 2.  <b><u>NON-SCHEDULED MATERIAL</u></b>  705 Percentage allowance to be added to the NETT purchase cost of non-scheduled items excluding VAT for profit and overhead costs  <b><u>LABOUR RATES</u></b>  <b><u>NOTES</u></b>  1. The following labour rates must be INCLUSIVE of all labour costs such as social security costs, pensions, bonuses and the like.  2. The labour rates must also be INCLUSIVE of all supervision costs, foremen cost and the PROFIT on labour as no extra costs in connection herewith will be payable.		
706	Driver	Per Hr	58.62
707	Artisan	Per Hr	197.04
708	Artisan Foreman	Per Hr	257.34
709	Handyman	Per Hr	89.99
710	Workhand	Per Hr	66.74
711	Labourer	Per Hr	51.10
	Bill No. 3 NON-SCHEDULED WORK  <div style="text-align: right;">Initial here.....</div>		



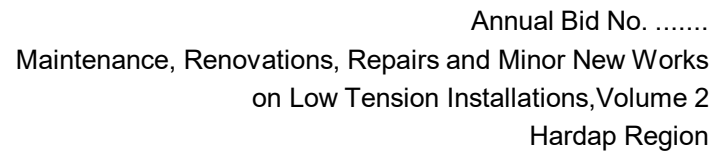
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<u>Item No</u>		<u>Unit</u>	<u>Rate</u>
	<b><u>EMERGENCY CALL OUTS</u></b>		
	<b><u>NOTES</u></b>		
	1. Payment of Emergency Call-Outs will only take place when the call-out is outside of normal working hours.		
	2. Travelling time of labour will be paid at the all inclusive labour rates stated above within this Bill.		
712	Fixed cost of Emergency Call-Out	No	854.07
713	Kilometre rate for transport of material and labour for journeys where distance is more than 25 kilometres from the Home Base or Branch Office (i.e. kilometre return journey)	No	11.80
	<b><u>SELECTED SUB-CONTRACTORS</u></b>		
714	Percentage allowance to be added to the NETT value of the work of selected sub-contractors excluding VAT for profit and attendance on the selected sub-contractors		13.00%
	Bill No. 3 NON-SCHEDULED WORK		
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