

Low Cost Housing for Department of Human Settlements 22-Jan-13 E1496 (Ouput 9)

ELEMENTAL SUMMARY - DISABILITY UNIT (OUTPUT 9) 45m² Disability Unit

			Total Construc	tion Area	45
			Elemental Total	Rate/m² of Building Area	% of Total Cost
Α	PRIMARY ELEMENTS	103 025		2289.44	89.35%
	1 Foundations		9 889	219.76	8.58%
	2 Ground floor construction		11 034	245.19	9.57%
	3 Structural frame		0	0.00	0.00%
	4 Independent structural components		0	0.00	0.00%
	5 External envelope		22 427	498.37	19.45%
	6 Roofs		7 276	161.70	6.31%
	7 Internal divisions		12 427	276.17	10.78%
	8 Partitions		0	0.00	0.00%
	9 Floor finishes		7 843	174.29	6.80%
	10 Internal wall finishes		18 573	412.74	16.11%
	11 Ceilings and soffits		0	0.00	0.00%
	12 Fittings		0	0.00	0.00%
	13 Electrical installation		2 779	61.76	2.41%
	14 Internal plumbing		10 776	239.46	9.35%
	15 Fire services		0	0.00	0.00%
	16 Balustrading, etc		0	0.00	0.00%
	17 Miscellaneous items		0	0.00	0.00%
В		0		0.00	0.00%
	18 Piling		0	0.00	0.00%
	19 Sun control screens, grilles, etc		0	0.00	0.00%
	20 Raised access floors		0	0.00	0.00%
	21 Special fire protection		0	0.00	0.00%
	22 Lifts		0	0.00	0.00%
	23 Escalators		0	0.00	0.00%
	24 Air conditioning		0	0.00	0.00%
	25 Ventilation		0	0.00	0.00%
	26 Heating		0	0.00	0.00%
	27 Special electrical installations		0	0.00	0.00%
	28 Other services		0	0.00	0.00%
	29 Compactors		0	0.00	0.00%
	30 Access control		0	0.00	0.00%
	31 Gondolas		0	0.00	0.00%
	32 Stoves		0	0.00	0.00%
	33 Kitchen equipment		0	0.00	0.00%
	34 Specialised equipment		0	0.00	0.00%
	35 Security systems		0	0.00	0.00%

37 Prefabricated cold rooms 38 Signage 39 Artwork 40 Miscellaneous items C ALTERATIONS 41 Alteration EXTERNAL WORKS AND SERVICES D 42 Soil drainage 43 Sub-surface water drainage 44 Stormwater drainage 45 Water supplies 46 Fire service 47 External electrical installations 48 Connection fees, etc 49 Demolitions 50 Site clearance 50 Site clearance 51 Earthworks 52 Boundary, screen and retaining 53 Fencing and gates 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 61 Project on the fire service 61 Garden works 61 Miscellaneous items 63 Preliminaries 63 Preliminaries 64 Price and detail development DOLOGO 0,00% 0,		36 Communication systems		0	0.00	0.00%
39 Artwork 40 Miscellaneous items 0 0.00 0.00 0.00% A1 AlterATIONS 41 Alteration EXTERNAL WORKS AND SERVICES D 42 Soil drainage 43 Sub-surface water drainage 44 Stormwater drainage 44 Stormwater drainage 45 Water supplies 46 Fire service 47 External electrical installations 48 Connection fees, etc 49 Demolitions 50 Site clearance 50 Site clearance 51 Earthworks 52 Boundary, screen and retaining 53 Fencing and gates 54 Roads, paving, etc 55 Covered parking, walkways, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 57 Minor construction work 58 Pools, etc 59 Sports facilities 60 Garden works 61 Miscellaneous items PRELIMINARIES 63 Preliminaries PRICE AND DETAIL DEVELOPMENT 64 Price and detail development 0 0.00 0.00% 0.0		37 Prefabricated cold rooms		0	0.00	0.00%
A		38 Signage		0	0.00	0.00%
C ALTERATIONS 41 Alteration 0 0.00 0.00% EXTERNAL WORKS AND SERVICES 2 670 59.33 2.32%		39 Artwork		0	0.00	0.00%
## Alteration Description		40 Miscellaneous items		0	0.00	0.00%
## A Soil drainage ## A Soil dra	С	ALTERATIONS	0		0.00	0.00%
A2 Soil drainage		41 Alteration		0	0.00	0.00%
42 Soil drainage 43 Sub-surface water drainage 43 Sub-surface water drainage 44 Stormwater drainage 45 Water supplies 66 Pergelan detail development 46 Sub-surface water drainage 60 0.00 0.00 0.00%		EXTERNAL WORKS AND SERVICES	2 670		59.33	2.32%
43 Sub-surface water drainage 44 Stormwater drainage 50 0.00 60.00 60.00 64 SWater supplies 65 Fire service 66 Price and detail development 60 0.00 60	D					
44 Stormwater drainage 45 Water supplies 60 0.00 0.00% 46 Fire service 70 0.00 0.00% 47 External electrical installations 70 0.00 0.00% 48 Connection fees, etc 70 0.00 0.00% 49 Demolitions 70 0.00 0.00% 50 Site clearance 70 0.00 0.00% 51 Earthworks 71 Earthworks 72 Boundary, screen and retaining 73 Fencing and gates 74 Roads, paving, etc 75 Covered parking, walkways, etc 75 Covered parking, walkways, etc 75 Covered parking, walkways, etc 75 Pergolas, canopies, etc 75 Minor construction work 75 Minor construction work 75 Sports facilities 75 Sports facilities 75 Garden works 75 Sports facilities 75 Garden works 75 Garden works 75 Training 75 Covered parking 75 PRELIMINARIES 75 Garden works 75 Training 75 Covered parking 75 PRELIMINARIES 75 Garden works 75 Preliminaries 75 Good D.000 0.00% 75 PRELIMINARIES 75 Garden works 75 Preliminaries 75 Good D.000 0.00% 75 PRELIMINARIES 75 Garden works 75 PRELIMINARIES 75 Garden works 75 PRELIMINARIES 75 Good D.000 0.00% 75 Good D.000 0.00% 75 PRELIMINARIES 75 Good D.000 0.00% 75 Good D.000 0.00% 75 PRELIMINARIES 75 Good D.000 0.00% 75 Good D.000 0.000 0.00% 75 Good D.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000		42 Soil drainage		0	0.00	0.00%
45 Water supplies 46 Fire service 0 0 0.00 0.00% 47 External electrical installations 0 0.00 0.00% 48 Connection fees, etc 0 0.00 0.00% 49 Demolitions 0 0.00 0.00% 50 Site clearance 2 670 59.33 2.32% 51 Earthworks 0 0.00 0.00% 52 Boundary, screen and retaining 53 Fencing and gates 0 0.00 0.00% 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 0 0.00 0.00% 57 Minor construction work 58 Pools, etc 59 Sports facilities 0 0.00 0.00% 60 Garden works 61 Miscellaneous items E TRAINING 62 Training 64 Price and detail development 0 0.00 0.00% 64 Price and detail development 0 0.00 0.00% 65 PRICE AND DETAIL DEVELOPMENT 66 Price and detail development 0 0.00 0.00% 60 0.000 0.000 0.00% 60 0.0		43 Sub-surface water drainage		0	0.00	0.00%
46 Fire service 47 External electrical installations 48 Connection fees, etc 0 0.00 49 Demolitions 0 0.00 50 Site clearance 51 Earthworks 52 Boundary, screen and retaining 53 Fencing and gates 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 57 Minor construction work 58 Pools, etc 59 Sports facilities 60 Garden works 61 Miscellaneous items F PRELIMINARIES 63 Preliminaries PRICE AND DETAIL DEVELOPMENT G 49 Demolitions 0 0.00 0.00 0.00% 0.00		44 Stormwater drainage		0	0.00	0.00%
47 External electrical installations 48 Connection fees, etc 0 0,000 0,00% 49 Demolitions 0 0,000 0,00% 50 Site clearance 2 670 59.33 2,32% 51 Earthworks 52 Boundary, screen and retaining 0 0,000 0,00% 53 Fencing and gates 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 77 Minor construction work 58 Pools, etc 59 Sports facilities 60 Garden works 61 Miscellaneous items F PRELIMINARIES 63 Preliminaries PRICE AND DETAIL DEVELOPMENT G 0 0,000 0,00% 0,00		45 Water supplies		0	0.00	0.00%
48 Connection fees, etc 49 Demolitions 0 0,00 0,000 0,00% 50 Site clearance 2 670 59.33 2.32% 51 Earthworks 0 0,00 0,000 0,00% 52 Boundary, screen and retaining 53 Fencing and gates 0 0,00 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 0 0,00 57 Minor construction work 58 Pools, etc 0 0,00 59 Sports facilities 0 0,00 0,00% 60 Garden works 61 Miscellaneous items F PRELIMINARIES 63 Preliminaries PRICE AND DETAIL DEVELOPMENT 64 Price and detail development 0 0,00 0,00% 0,		46 Fire service		0	0.00	0.00%
49 Demolitions 50 Site clearance 50 Site clearance 51 Earthworks 52 Boundary, screen and retaining 53 Fencing and gates 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 57 Minor construction work 58 Pools, etc 59 Sports facilities 60 Garden works 61 Miscellaneous items E TRAINING 62 Training F PRELIMINARIES 63 Preliminaries PRICE AND DETAIL DEVELOPMENT 64 Price and detail development 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00		47 External electrical installations		0	0.00	0.00%
50 Site clearance 51 Earthworks 52 Boundary, screen and retaining 53 Fencing and gates 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 57 Minor construction work 58 Pools, etc 59 Sports facilities 60 Garden works 61 Miscellaneous items E TRAINING 62 Training F PRELIMINARIES 63 Preliminaries PRICE AND DETAIL DEVELOPMENT G 64 Price and detail development D 0 0.00 0.0000 0.00000 0.0000 0.000000		48 Connection fees, etc		0	0.00	0.00%
51 Earthworks 52 Boundary, screen and retaining 53 Fencing and gates 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 57 Minor construction work 58 Pools, etc 59 Sports facilities 61 Miscellaneous items E TRAINING 62 Training 64 Price and detail development 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00		49 Demolitions		0	0.00	0.00%
52 Boundary, screen and retaining 53 Fencing and gates 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 57 Minor construction work 58 Pools, etc 59 Sports facilities 60 Garden works 61 Miscellaneous items E TRAINING 62 Training 62 Training 64 Price and detail development 64 Price and detail development 0 0.00 0.00 0.0000 0.000		50 Site clearance		2 670	59.33	2.32%
53 Fencing and gates 54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 60 0.00 0.00% 57 Minor construction work 58 Pools, etc 60 0.00 0.00 0.00% 58 Pools, etc 60 0.00 0.00 0.00% 59 Sports facilities 60 0.00 0.00 0.00% 60 Garden works 61 Miscellaneous items 62 Training 62 Training 63 Preliminaries 64 Price and detail development 64 Price and detail development 6 0 0.00 0.00 6 0.00				0	0.00	0.00%
54 Roads, paving, etc 55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 57 Minor construction work 58 Pools, etc 59 Sports facilities 60 Garden works 61 Miscellaneous items 62 Training F PRELIMINARIES 63 Preliminaries PRICE AND DETAIL DEVELOPMENT 64 Price and detail development 0 0.00 0.00		52 Boundary, screen and retaining		0	0.00	0.00%
55 Covered parking, walkways, etc 56 Pergolas, canopies, etc 57 Minor construction work 58 Pools, etc 59 Sports facilities 60 Garden works 61 Miscellaneous items 62 Training 62 Training 63 Preliminaries 64 Price and detail development 6 0 0.00 0.000 0.00% 6 0 0.00 0.00%		53 Fencing and gates		0	0.00	0.00%
56 Pergolas, canopies, etc 57 Minor construction work 58 Pools, etc 0 0,000 0.00% 58 Pools, etc 0 0,000 0.00% 59 Sports facilities 0 0,000 60 Garden works 61 Miscellaneous items 0 0,000 E TRAINING 62 Training 0 0,000 F PRELIMINARIES 63 Preliminaries 9 608 213.50 8.33% PRICE AND DETAIL DEVELOPMENT G 64 Price and detail development 0 0,000 0.00% 0 0,00%		54 Roads, paving, etc		0	0.00	0.00%
57 Minor construction work 58 Pools, etc 0 0 0.00 59 Sports facilities 0 0 0.00 60 Garden works 61 Miscellaneous items 0 0.00 62 Training 0 0.00 63 PRELIMINARIES 63 Preliminaries 9 608 64 Price and detail development 0 0.00 0.00 0.00%		55 Covered parking, walkways, etc		0	0.00	0.00%
58 Pools, etc 59 Sports facilities 60 Garden works 61 Miscellaneous items 62 Training 62 Training 63 Preliminaries 64 Price and detail development 0 0 0.00 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000		56 Pergolas, canopies, etc		0	0.00	0.00%
59 Sports facilities 60 Garden works 61 Miscellaneous items E TRAINING 62 Training 63 Preliminaries PRICE AND DETAIL DEVELOPMENT 64 Price and detail development 0 0.00 0.000		57 Minor construction work		0	0.00	0.00%
60 Garden works 61 Miscellaneous items 0 0.00 0.00% E TRAINING 62 Training 0 0.00 0.00% F PRELIMINARIES 63 Preliminaries 9 608 213.50 8.33% PRICE AND DETAIL DEVELOPMENT G 64 Price and detail development 0 0.00 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00%		58 Pools, etc		0	0.00	0.00%
61 Miscellaneous items E TRAINING 62 Training 60 0.00 62 Training 60 0.00 62 Training 60 0.00 63 PRELIMINARIES 63 Preliminaries 63 Preliminaries 9 608 9 608 213.50 8.33% PRICE AND DETAIL DEVELOPMENT 64 Price and detail development 65 0.00 0.00% 0.00%		<u>-</u>		0	0.00	0.00%
E TRAINING 62 Training 0 0.00 0.00% F PRELIMINARIES 63 Preliminaries 9 608 213.50 8.33% PRICE AND DETAIL DEVELOPMENT 0 0.00 0.00% 64 Price and detail development 0 0.00 0.00%		60 Garden works			0.00	0.00%
62 Training				0		0.00%
F PRELIMINARIES 9 608 213.50 8.33% 63 Preliminaries 9 608 213.50 8.33% PRICE AND DETAIL DEVELOPMENT 0 0.00 0.00% 64 Price and detail development 0 0.00 0.00%	E		0			
63 Preliminaries PRICE AND DETAIL DEVELOPMENT 64 Price and detail development 9 608 213.50 0.00 0.00% 0.00%		· ·		0		
PRICE AND DETAIL DEVELOPMENT 64 Price and detail development 0 0.00 0.00%	F	PRELIMINARIES	9 608			
G 64 Price and detail development 0 0.00 0.00%				9 608	213.50	8.33%
64 Price and detail development 0 0.00 0.00%		PRICE AND DETAIL DEVELOPMENT	0		0.00	0.00%
	G					
TOTAL IMPROVEMENT COST 115 302 2562 27 100 00%		64 Price and detail development		0	0.00	0.00%
100.0070	TOTAL	IMPROVEMENT COST	RUI II SAROD	115 302	2562.27	100.00%



Low Cost Housing for Department of Human Settlements 22-Jan-13 E1496 (Ouput 9)

COST PLAN - DISABILITY UNIT (OUTPUT 9) 45m² Disability Unit

	CONSTI	RUCTIC	N AREA	45	m²		
	Qty	Unit	Rate	Component Cost	Elemental Total	Rate /m²	% of Cost
A PRIMARY ELEMENTS							
1.0 Foundations1.1 Unreinforced strip footings1.2 Brick wall1.3 Sundries	37 37	m m %	143 126	5 248 4 641 -	9 889	117 103 -	4.55% 4.02% 0.00% 8.58%
2.0 Ground floor construction 2.1 75mm Thick concrete surface bed							
2.2 75 x 900 mm Wide apron slabs 2.3 Ramps	45 25 12	m² m² m²	133 101 212	6 013 2 535 2 486		134 56 55	5.22% 2.20% 2.16%
·					11 034	245	9.57%
3.0 <u>Structural frame</u> 3.1 Nil		m		-		-	0.00%
4.0 Independent structural components 4.1 Nil		m		-		<u>-</u>	0.00%
					-	-	0.00%
5.0 External envelope 5.1 140mm Cement block wall 5.2 12mm Thick cement render	80 80	m² m²	140 49	11 295 3 977		251 88	9.80% 3.45%
5.3 Windows type ND45 1511x 1245mm high (clear float glass) 5.4 Windows type NC4 1511x 949mm	2	No	1 020	2 039		45	1.77%
high (clear float glass) 5.5 Windows type NE1 533x 654mm	3	No	819	2 456		55	2.13%
high (obscure float glass) 5.6 FL&B single leaf door	1	No	321	321		7	0.28%
(strenthened to receive rail)	1	No	2 340	2 340		52	2.03%
5.7 Contractor's fee		%	_ :	-	22 427	- 498	0.00% 19.45%
					22 721	430	19.4570
6.0 Roofs 6.1 50x152 Roof beams with carbolinium finish	49	m	45	2 185		48.56	1.90%
		•	. •				

6.2 0.5mm Full hard galvanised roof6.3 Extra over sheeting for cranking to6.4 Roof ties	50 8 16	m² m No	95 28 6	4 785 210 96		106 5 2	4.15% 0.18% 0.08%
=					7 276	162	6.31%
7.0 Internal divisions							
7.1 90mm Brick wall	36	m²	127	4 527		101	3.93%
7.2 1000mm wide Vinyl folding door	1	No	4 031	4 031		90	3.50%
kick plates	3	No	1 290	3 869		86	3.36%
=					12 427	276	10.78%
8.0 Partitions							
8.1 Nil		m		-		_	0.00%
=					-	-	0.00%
0.0 Floor finishes							
6.3 Extra over sheeting for cranking to 6.4 Roof ties 7.0 Internal divisions 7.1 90mm Brick wall 7.2 1000mm wide Vinyl folding door 7.3 813 x 2032 hollow core door (strenghened to receive rail) and kick plates	41	m²	163	6 698		149	5.81%
•							
	4	m²	218	852		19	0.74%
9.3 Ramp finishes	12	m²	25	293		7	0.25%
_					7 843	174	6.80%
10.0 Internal wall finishes							
•	149	m²	75	11 167		248	9.68%
	3	m²	203	526		12	0.46%
	1	m²	205	154		3	0.13%
	2	no	1 582	3 164		70	2.740/
	2	no	1 302	3 104		70	2.74%
and screwed to tiled wall.	1	no	658	658		15	0.57%
	3	no	610	1 830		41	1.59%
	1	no	1 074	1 074		24	0.93%
_					18 573	413	16.11%
11.0 Cailings and soffits							
		%		_		_	0.00%
=					-	-	0.00%
42.0 Fittings							
		%		_		_	0.00%
=					-	-	0.00%
	1	item	2 779	2 779		62	2.41%
=					2 779	62	2.41%

14.0 Internal plumbing

TOTAL IMPROVEMENT COSTS					115 302		100.00%
· =					-	_	0.00%
21.0 Price and detail development 21.1 Price and detail development				-		_	0.00%
G PRICE AND DETAIL DEVELOPMENT							
20.0 <u>Preliminaries</u> =			9.09%	9 608	9 608	214	8.33% 8.33%
E TRAINING F PRELIMINARIES							
					2 670	59	2.32%
50.0 Site clearance 50.1 Site clearance 50.2 Sripping 150 layer	250 250	m² m²	5 6	1 125 1 545		25 34	0.98% 1.34%
D EXTERNAL WORKS AND SERVICES - Excluded							
C ALTERATIONS - Excluded					-	-	0.00%
B SPECIALIST INSTALLATIONS							
17.1 Nil		m		-	-	-	0.00%
17.0 <u>Miscellaneous items</u>					•	-	0.00%
16.0 Balustrading, etc 16.1 Nil		m		_		-	0.00%
15.0 <u>Fire sevices</u> 15.1 Nil		m		-	-	-	0.00%
•					10 776	239	9.35%
14.5 Sanitary fittings sundries 14.6 Sanitary plumbing	3	no no	125 750	375 3 000		8 67	0.33% 2.60%
support bracket) 14.4 Wall mounted fold down shower seat and shower head complete.	1	no no	2 012 2 551	2 012 2 551		45 57	1.75% 2.21%
litre cistern complete. 14.3 Bantam WHB (including taps and	1	no	1 415	1 415		31	1.23%
14.1 800 x 460 "Kwikhot sink' (including taps and support bracket)14.2 WC unit with plastic seat and 9	1	no	1 423	1 423		32	1.23%



Low Income Housing for Department of Human Settlements 01-Nov-12 E1496 (Ouput 9)

ELEMENTAL SUMMARY - Output 9 ENERGY EFFICIENCY 45m² Disability Unit

		² Disability Unit	.1101	
		Total Construct	ion Area	45
		Elemental Total	Rate/m² of Building Area	% of Total Cost
Α	PRIMARY ELEMENTS 12 9	89	288.64	91.67%
	1 Foundations	0	0.00	0.00%
	2 Ground floor construction	0	0.00	0.00%
	3 Structural frame	0	0.00	0.00%
	4 Independent structural components	0	0.00	0.00%
	5 External envelope	4 036	89.68	28.48%
	6 Roofs	0	0.00	0.00%
	7 Internal divisions	0	0.00	0.00%
	8 Partitions	0	0.00	0.00%
	9 Floor finishes	0	0.00	0.00%
	10 Internal wall finishes	1 618	35.96	11.42%
	11 Ceilings and soffits	7 335	163.00	51.77%
	12 Fittings	0	0.00	0.00%
	13 Electrical installation	0	0.00	0.00%
	14 Internal plumbing	0	0.00	0.00%
	15 Fire services	0	0.00	0.00%
	16 Balustrading, etc	0	0.00	0.00%
	17 Miscellaneous items	0	0.00	0.00%
В	SPECIAL INSTALLATIONS 0		0.00	0.00%
	18 Piling	0	0.00	0.00%
	19 Sun control screens, grilles, etc	0	0.00	0.00%
	20 Raised access floors	0	0.00	0.00%
	21 Special fire protection	0	0.00	0.00%
	22 Lifts	0	0.00	0.00%
	23 Escalators	0	0.00	0.00%
	24 Air conditioning	0	0.00	0.00%
	25 Ventilation	0	0.00	0.00%
	26 Heating	0	0.00	0.00%
	27 Special electrical installations	0	0.00	0.00%
	28 Other services	0	0.00	0.00%
	29 Compactors	0	0.00	0.00%
	30 Access control	0	0.00	0.00%
	31 Gondolas	0	0.00	0.00%
	32 Stoves	0	0.00	0.00%
	33 Kitchen equipment	0	0.00	0.00%
	34 Specialised equipment	0	0.00	0.00%
	35 Security systems	0	0.00	0.00%

ELEMENTAL SUMMARY - Output 9 ENERGY EFFICIENCY 45m² Disability Unit

		45m² Disability l	Jnit		
			Total Construct	tion Area	45
			Elemental Total	Rate/m² of Building Area	% of Total Cost
	36 Communication systems		0	0.00	0.00%
	37 Prefabricated cold rooms		0	0.00	0.00%
	38 Signage		0	0.00	0.00%
	39 Artwork		0	0.00	0.00%
	40 Miscellaneous items		0	0.00	0.00%
С	ALTERATIONS	0		0.00	0.00%
	41 Alteration		0	0.00	0.00%
_	EXTERNAL WORKS AND SERVICES	0		0.00	0.00%
D					
	42 Soil drainage		0	0.00	0.00%
	43 Sub-surface water drainage		0	0.00	0.00%
	44 Stormwater drainage		0	0.00	0.00%
	45 Water supplies		0	0.00	0.00%
	46 Fire service		0	0.00	0.00%
	47 External electrical installations		0	0.00	0.00%
	48 Connection fees, etc		0	0.00	0.00%
	49 Demolitions		0	0.00	0.00%
	50 Site clearance		0	0.00	0.00%
	51 Earthworks		0	0.00	0.00%
	52 Boundary, screen and retaining		0	0.00	0.00%
	53 Fencing and gates		0	0.00	0.00%
	54 Roads, paving, etc		0	0.00	0.00%
	55 Covered parking, walkways, etc		0	0.00	0.00%
	56 Pergolas, canopies, etc57 Minor construction work		0	0.00	0.00%
	58 Pools, etc		0	0.00	0.00%
	59 Sports facilities		0	0.00	0.00%
	60 Garden works		0	0.00	0.00%
	61 Miscellaneous items		0	0.00 0.00	0.00%
E	TRAINING	0		0.00	0.00%
_	62 Training		0	0.00	0.00%
F	PRELIMINARIES	1 181		26.24	8.33%
	63 Preliminaries	Name of the Owner, where the Owner, which is the Owner,	1 181	26.24	8.33%
	PRICE AND DETAIL DEVELOPMENT	0		0.00	0.00%
G					
	64 Price and detail development		0	0.00	0.00%
TOTA	L IMPROVEMENT COST		14 170	314.88	100.00%



Low Income Housing for Department of Human Settlements

01-Nov-12 E1496 (Ouput 9)

7 335

163

51.77%

COST PLAN - OUTPUT 9 ENERGY EFFICIENCY 45m² Disability Unit CONSTRUCTION AREA 45 m² Component **Elemental** Rate % of Unit Qty Rate Cost Total /m² Cost A PRIMARY ELEMENTS 1.0 External envelope 1.1 Extra over for Low E clear safety glass to windows type ND45 1511x 1245mm No 958 958 21 6.76% 1.2 Extra over for Low E clear safety glass for windows type NC4 1511x 949mm high No 725 2 902 64 20.48% 1.3 Extra over for Low E opaque safety glass for Windows type NE1 533x 654mm high 176 No 176 4 1.24% 4 036 90 28.48% 2.0 Internal wall finishes 2.1 Extra over bagging for one coat plaster 149 1 618 11.42% 36 1 618 11.42% 3.0 Ceilings and soffits 3.1 6,4mm Gypsum plasterboard ceilings including brandering (primed) fixed to roof beams 45 m² 135 6 075 135 42.87% 3.2 Fibreglass ceiling insulation 45 m^2 28 1 260 28 8.89%

B SPECIALIST INSTALLATIONS

Excluded

C ALTERATIONS

Excluded

D EXTERNAL WORKS AND SERVICES

Excluded

E TRAINING

Excluded

F PRELIMINARIES

	Qty	Unit	Rate	Component Cost	Elemental Total	Rate /m²	% of Cost
4.0 <u>Preliminaries</u>			9.09%	1 181		26	8.33%
					1 181	26	8.33%
G PRICE AND DETAIL DEVELOPMENT							
5.0 Price and detail development 5.1 Price and detail development			0%	_			0.00%
•					-	-	0.00%
TOTAL IMPROVEMENT COSTS					14 170		100.00%



Low Income Housing for Department of Human Settlements 01-Nov-12 E1496 (Ouput 9)

ELEMENTAL SUMMARY - OUTPUT 9 ELECTRICAL INSTALLATION 45m² Disability Unit

			Total Construc	tion Area	45
			Elemental	Rate/m² of	0/ 57 / 1
			Total	Building Area	% of Total Cost
				Banamy Area	Cost
Α	PRIMARY ELEMENTS	6 086		135.24	91.67%
	1 Foundations		0	0.00	0.00%
	2 Ground floor construction		0	0.00	0.00%
	3 Structural frame		0	0.00	0.00%
	4 Independent structural components		0	0.00	0.00%
	5 External envelope		0	0.00	0.00%
	6 Roofs		0	0.00	0.00%
	7 Internal divisions		0	0.00	0.00%
	8 Partitions		0	0.00	0.00%
	9 Floor finishes		0	0.00	0.00%
	10 Internal wall finishes		0	0.00	0.00%
	11 Ceilings and soffits		0	0.00	0.00%
	12 Fittings		0	0.00	0.00%
	13 Electrical installation		6 086	135.24	91.67%
	14 Internal plumbing		0	0.00	0.00%
	15 Fire services		0	0.00	0.00%
	16 Balustrading, etc		0	0.00	0.00%
	17 Miscellaneous items	-	0	0.00	0.00%
В	SPECIAL INSTALLATIONS	0		0.00	0.00%
	18 Piling		0	0.00	0.00%
	19 Sun control screens, grilles, etc		0	0.00	0.00%
	20 Raised access floors		0	0.00	0.00%
	21 Special fire protection		0	0.00	0.00%
	22 Lifts		0	0.00	0.00%
	23 Escalators		0	0.00	0.00%
	24 Air conditioning		0	0.00	0.00%
	25 Ventilation		0	0.00	0.00%
	26 Heating		0	0.00	0.00%
	27 Special electrical installations		0	0.00	0.00%
	28 Other services		0	0.00	0.00%
	29 Compactors		0	0.00	0.00%
	30 Access control		0	0.00	0.00%
	31 Gondolas		0	0.00	0.00%
	32 Stoves		0	0.00	0.00%
	33 Kitchen equipment		0	0.00	0.00%
	34 Specialised equipment		0	0.00	0.00%
	35 Security systems		0	0.00	0.00%

ELEMENTAL SUMMARY - OUTPUT 9 ELECTRICAL INSTALLATION 45m² Disability Unit

		40III Disability C			
			Total Construc	tion Area	45
					40
			Elemental Total	Rate/m² of Building Area	% of Total Cost
	36 Communication systems		0	0.00	0.00%
	37 Prefabricated cold rooms		0	0.00	0.00%
	38 Signage		0	0.00	0.00%
	39 Artwork		0	0.00	0.00%
	40 Miscellaneous items		0	0.00	0.00%
C	ALTERATIONS	0		0.00	0.00%
	41 Alteration		0	0.00	0.00%
	EXTERNAL WORKS AND SERVICES	0		0.00	0.00%
D					
	42 Soil drainage		0	0.00	0.00%
	43 Sub-surface water drainage		0	0.00	0.00%
	44 Stormwater drainage		0	0.00	0.00%
	45 Water supplies		0	0.00	0.00%
	46 Fire service		0	0.00	0.00%
	47 External electrical installations		0	0.00	0.00%
	48 Connection fees, etc		0	0.00	0.00%
	49 Demolitions		0	0.00	0.00%
	50 Site clearance		0	0.00	0.00%
	51 Earthworks		0	0.00	0.00%
	52 Boundary, screen and retaining		0	0.00	0.00%
	53 Fencing and gates		0	0.00	0.00%
	54 Roads, paving, etc		0	0.00	0.00%
	55 Covered parking, walkways, etc		0	0.00	0.00%
	56 Pergolas, canopies, etc		0	0.00	0.00%
	57 Minor construction work		0	0.00	0.00%
	58 Pools, etc		0	0.00	0.00%
	59 Sports facilities		0	0.00	0.00%
	60 Garden works		0	0.00	0.00%
	61 Miscellaneous items		0	0.00	0.00%
E	TRAINING	0		0.00	0.00%
	62 Training		0	0.00	0.00%
F	PRELIMINARIES	553		12.29	8.33%
	63 Preliminaries		553	12.29	8.33%
	PRICE AND DETAIL DEVELOPMENT	0		0.00	0.00%
G					0.0070
	64 Price and detail development		0	0.00	0.00%
TOTAL	IMPROVEMENT COST		6 639	147.54	100.00%
			The second secon		



Low Income Housing for Department of Human Settlements

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COST PLAN -		9 ELEC Disabili		NSTALLATIO	N		
			N AREA	45	m²	200	
				Component	Elemental	Dete	0/ -5
	Qty	Unit	Rate	Cost	Total	Rate /m²	% of Cost
1.0							
Electrical installation 1.1 Ready board (RBO) incl. BH with							
63 Amp earth leakage relay and 2							
x 20 Amp circuit breaker	1	item	1 800	1 800		40	27.11
1.2 Polycarbonate fitting	3	No	550	1 650		37	24.85
1.3 Wellglass BH	1	No	430	430		10	6.48
1.4 1-lever switch	3	No	50	150		3	2.26
1.5 16 Amp socket outlets	3	No	80	240		5	3.61
1.6 Twin & earth 2,5 cable 1.7 Twin & earth 1mm cable	21 30	m	15	305		7	4.59
1.8 25mm PVC trunking	6	m m	12 42	360 239		8 5	5.42° 3.61°
1.9 20mm PVC conduit	51	m	40	2 040		45	30.73
1.10 100 x 100mm PVC box	3	No	15	45		1	0.68
1.11 50 x 100mm PVC box	4	No	14	56		1	0.84
1.12 14 Watt - CFL lamps	5	No	50	250		6	3.77
1.13 Conduit saddles	15	m	-	-		-	0.00
1.14 Earth electrode	1	item	100	100		2	1.519
1.15 Supply cable (allowance)	1	item	1 200	1 200		27	18.079
1.16 Omit orignal allowance	(1)	item	2 779	(2 779)	6 086	(62) 135	-41.869 91.679
B SPECIALIST INSTALLATIONS Excluded							
C ALTERATIONS Excluded							
EXTERNAL WORKS AND SERVICES Excluded							
E TRAINING Excluded							
PRELIMINARIES							
63.0 <u>Preliminaries</u>			9.09%	553		12	8.33%
					553	12	8.33%
PRICE AND DETAIL DEVELOPMENT							
64.0 Price and detail development							
64.1 Price and detail development			0%	-	-	-	0.00%
							,