

## Taupo Cultural Precinct Civic Administration Building Community Centre and Museum

## Concept Estimate

Reference: 18-0816 - Taupo Cultura I Precinct

Revision: 0

Date: 1/31/2019

Client: Taupo District Council / Warren and Mahoney

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate

Revision: 0



Code	Description	Quantity Unit	Ra te	Total
	Stage 1 - Civic Administration Building and Landscaping			16,600,000
	Stage 2 - Museum			14,700,000
	Stage - 3 Story Place Landscapig			3,460,342
	Stage 4 - Tongariro Street Landscaping			2,340,000
	Escalation			2,500,000
	Professional fees			6,555,000
	Project Contingency			10,055,000
	<u>Exclusions</u>			
	IL4 Specification			
	Holding Costs			
	Consent Fees			
	Local authority fees			
	GST			

Total Civic Administration Building Community Centre and Museum - Concept Estimate

Cuesko Limited / 18-0816 - Taupo Cultura I Precinct

56,210,342

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Code	Description	Quantity	Unit	Rate	Total
	Stage 1 - Civic Administration Building and Landsca	ping			
E1	Site Preparation				
1.1	Demolition				
1.2	Demolish existing buildings and remove debris from site	1,455	m2	120.00	174,600
1.3	Site Clearance				
1.4	Allowance for civil works not scoped	1,500	m3	120.00	180,000
1.5	Rip up and remove concrete walkways	980	m2	30.00	29,400
			TotalS	te Preparation	384,000
E2	Substructure				
2.1	Building Piles				
2.2	Allowance for piling	1,856	m2	120.00	222,720
2.7	G round Floor Slab				
2.8	Allowance for reinforced concrete ground floor slab	1,856	m2	250.00	464,000
2.9	Lift Pits				
2.10	Form lift pits	1	no.	15,000.00	15,000
			Tot	al Substructure	701,720
E3	Frame				
3.1	Allowance for building structure (based on GFA)	3,418	m2	270.00	922,860
				Total Frame	922,860
E4	Structural Walls				
4.1	Struc tura I Walls				
4.2	Concrete stair and lift walls	192	m2	710.00	136,320
			Total	Struc tura I Walls	136,320
E5	Upper Floors				
5.1	UpperFloors				
5.2	Concrete slab	1,562	m2	250.00	390,525
5.3	Bridge over a trium	279	m2	350.00	97,654
			Tot	al Upper Floors	488,179
E6	Roof				
6.1	Roof				
6.2	Roof framing	2,307	m2	180.00	415,260

PROJECT: Civic Administration Building Community Centre and Museum



Code	Description	Quantity	Unit	Rate	Total
6.3	Long run metal roofing with insulation and including wire netting and underlay	1,960	m2	150.00	294,062
6.5	Ply flat roof including waterproofing	347	m2	350.00	121,286
6.6	Soffits and fascia	117	m	120.00	14,040
6.7	Gutters	117	m	110.00	12,870
6.8	Downpipes	80	m	100.00	8,000
6.8	Box G utter				
6.9	Box gutter including framing waterproofing membrane	25	m2	671.00	16,775
6.10	Outlets to above	1	no	3,000.00	3,000
				Total Roof	885, 292
E7	Exterior Walls and Exterior Finish				
7.1	Exterior Walls and Exterior Finish				
7.2	Cladding and/orapplied finish to external faces of walls and painted gib board on the internal walls	204	m2	780.00	159,120
7.3	Allowance for a luminium louvers	181	m2	750.00	135,750
	1	ota I Exterior V	Vallsan	d Exterior Finish	294,870
E8	Windows and Exterior Doors				
8.1	Windows				
8.2	G lass Facade wall	2,158	m2	950.00	2,050,100
8.3	Doors				
8.4	Entrance door	2	no	15,000.00	30,000
8.5	Aluminium framed glazed single entrance doors	10	no	3,000.00	30,000
		To ta I Wind	owsan	d Exterior Doors	2,110,100
E9	Stairs and Balustrades				
9.1	Stairs and Balustrades				
9.2	Precast concrete stairs and landings including metal handrails and balustrades	8	m	4,500.00	36,000
9.3	Balustrade to a trium bridge	13	m	1,500.00	19,800
9.4	Allowance for inter-floor stair	1	item	100,000.00	100,000
		Tota	Sta irs a	nd Balustrades	155,800
E10-E14	Internal Fitout				
1	Allowance for internal fitout of office space	3,418	m2	350.00	1,196,300
2	Additional allowance for honed concrete finish to cafe	366	m2	200.00	73,178
			Tota	I Internal Fitout	1,269,478
E15	Fittings and Fixtures				

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Code	Description	Quantity	Unit	Rate	Total
15.1	Kitchens				
15.3	Kitchenette	2	no.	15,000.00	30,000
15.5	Joinery				
15.6	Allowance for reception counter	1	no.	10,000.00	10,000
15.15	Signage				
15.16	Sta tutory signa ge	1	item	15,000.00	15,000
15.17	Allowance for entrance sign	1	item	5,000.00	5,000
		То	ta I Fittir	ngsand Fixtures -	60,000
E16	Sanitary Plumbing				
16.1	Plumbing reticulation				
16.2	Incoming water supply including meter	1	item	40,000.00	40,000
16.3	Hot wa terplant	1	item	50,000.00	50,000
16.04	Toile t block				
16.05	Allowance for a toilet block on each level	100	m2	2,500.00	250,000
16.06	Builders Work in Connection				
16.07	Builders work in connection with sanitary plumbing	5	%	340,000.00	17,000
		Т	ota I Sa	nitary Plumbing -	357,000
E17	Heating and Ventilation Services				
17.1	A ir C ond itioning				
17.2	Air conditioning installation to all areas	3,418	m2	350.00	1,196,300
17.03	Builders Work in Connection				
17.04	Builders work in connection with heating and ventilation services	5	%	1,196,300.00	59,815
		otal Heating a	nd Ven	tila tion Services -	1,256,115
E18	Fire Services				
18.1	Sprinkler Installa tion				
18.2	Incoming supply and booster pump	1	item	40,000.00	40,000
18.3	Hydrant risers	1	item	25,000.00	25,000
18.4	Sprinkler installation to other areas	3,418	m2	85.00	290,530
18.5	Fire and Smoke Alarms				
18.6	Allowance for fire and smoke alarm installation	3,418	m2	25.00	85,450
- · <del>-</del>		5,			23, .00

PROJECT: Civic Administration Building Community Centre and Museum



Code	Description	Quantity	Unit	Rate	Total
18.7	Fire Curtains				
18.8	Allowance for fire curtains to inter-floor stair	1	item	75,000.00	75,000
18.9	Builders Work in Connection				
18.8	Builders work in connection with fire services	5	%	440,980.00	22,049
			Tot	al Fire Services -	538,029
E19	Electrical Services				
19.1	Re ticula tion				
19.2	Incoming main supply	1	item	30,000.00	30,000
19.3	Main switchboard	1	no.	30,000.00	30,000
19.4	Floor distribution boards	2	no.	10,000.00	20,000
19.6	Powerand Lighting				
19.7	General power and lighting to all areas	3,418	m2	120.00	410,160
19.12	Lift supplies	1	no.	6,000,00	6,000
19.13	Emergency lighting	3,418	m2	5.00	17,090
19.14	Allowance for external feature building lighting	1	item	150,000.00	150,000
19.15	Builders Work in Connection				
19.16	Builders work in connection with electrical services	5	item	663,250	33,163
		T	otal Elec	- ctrical Services -	696,413
E20	Vertical and Horizontal Transportation				
20.1	Lifts				
20.2	Passenger lift; traveling two floors with two stops	1	no.	100,000.00	100,000
20.3	Builders Work in Connection				
20.4	Builders work in connection with vertical and horizontal transportation	1	item	5,000.00	5,000
	TotalVer	tical and Ho	rizontal	Transportation _ -	105,000
E21	Special Services				
21.1	Special Services				
21.2	CCTV installation to circulation and common areas	1	item	30,000.00	30,000
21.4	Allowance for access control to entrance	1	item	15,000.00	15,000
21.5	Data/Comms				
				40.000.00	40,000
21.7	Allowance for WiFi	1	item	40,000.00	40,000

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Code	Description	Quantity	Unit	Rate	Total
21.9	Builders work in connection with special services	1	item	4,250.00	4,250
			Totals	Special Services	89,250
E22	Drainage				
22.1	Drainage				
22.2	Drainage connections to toilet blocks	1	item	12,000.00	12,000
22.3	General sanitary drainage connection	1	item	75,000.00	75,000
22.4	Storm water drainage connections	1	item	120,000.00	120,000
22.5	Allowance for general drainage works not ∞oped	1	item	150,000.00	150,000
22.6	Builders Work in Connection				
22.7	Builders work in connection with drainage	1	item	17,850.00	17,850
				Total Drainage	374,850
E23	Landscaping				
23.1	Landscaping				
23.2	Allowance for land scaping	8,910	m2	350.00	3,118,637
			Tot	al Landscaping	3,118,637
E25	Preliminaries				
24.1	Allowance for preliminary and general	13.0	%	13,943,911.5 O	1,812,708
			То	ta I Pre limina ries	1,812,708
E26	Margins				
25.1	Allowance formargin	5.0	%	15,756,620	787,831
-	<b>.</b>	3.0	. 5	Total Margins	787,831
				<u> </u>	<u> </u>
	Rounding	, ,, , , , , , , , , , , , , , , ,	,	–	47,700,000
	Total Stage 1 - Civic Adm	inistra tion Buildi	ng and	i Landscaping —	16,600,000

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Code	Description	Quantity	Unit	Rate	Total
	Stage 2 - Museum				
E1	Site Preparation				
1.1	Demolition				
1.2	Demolish existing buildings and remove debris from site		m2	120.00	Included in stage 1
1.3	Site Clearance				
1.4	Allowance for civil works not scoped	1,000	m3	120.00	120,000
			TotalS	ite Preparation —	120,000
E2	Substructure				
2.1	Building Piles				
2.2	Allowance for piling	1,921	m2	120.00	230,520
2.7	Ground Floor Slab				
2.8	Allowance for reinforced concrete ground floor slab	1,921	m2	250.00	480, 250
2.9	Lift Pits				
2.10	Form lift pits	1	no.	15,000.00	15,000
			Tot	a I Sub struc ture _	725,770
E3	Frame				
3.1	Allowance for building structure (based on GFA)	1,921	m2	350.00	672,350
				Total Frame	672,350
E4	Structural Walls				
4.1	Struc tura I Wa IIs				
4.2	Concrete stair and lift walls	%	m2	71000	68,160
			Total	Struc tura I Wa Ils —	68,160
E5	Upper Floors				
5.1	Upper Floors				
5.2	Timberupperfloor	422	m2	210.00	88,576
			Tot	al Upper Floors —	88,576
E6	Roof				
6.1	Roof				
6.2	Roof fra ming	1,801		270.00	486,335
6.3	Ceramic shingle sheet roofing	1,801		280.00	504,347
6.4	Parapets	382	m	500.00	190,935

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Tota	Rate	Unit	Quantity	Description	Code
9,000	100.00	m	90	Downpipes	6.6
2,160	120.00	m	18	Soffits and fascia	6.7
				Box G utter	6.8
40,260	671.00	m2	60	Box gutter including framing waterproofing membrane	6.9
5,000	1,000.00	no	5	Outlets to above	6.10
1,238,037	Total Roof				
				Exterior Walls and Exterior Finish	E7
				Exterior Walls and Exterior Finish	7.1
839,800	950.00	m2	884	Cladding and/orapplied finish to external faces of walls and painted gib board on the internal walls	7.2
63,000	450.00	m2	140	Extra value to create a greenwall	7.3
168,000	1,200.00	m2	140	Stone wall finish to external faces of walls and painted gib board on the internal walls	7.4
87,120	495.00	m2	176	Parapet walls	7.5
236,250	750.00	m2	315	Allowance for a luminium louvers	7.3
1,394,170	Exterior Finish	alls and	ota I Exterior W		
				Windows and Exterior Doors	E8
				Windows	8.1
589,200	1,200.00	m2	491	A luminium framed shop front glazing system	8.2
				Doors	8.3
10,000	10,000.00	no	1	Aluminium framed glazed double entrance doors	8.4
599,200	Exterior Doors	wsand	To ta I Wind o		
				Stairs and Balustrades	E9
				Stairs and Balustrades	9.1
52,000	6,500.00	m	8	Precast concrete stairs and landings including metal handrails and balustrades	9.2
52,000	d Balustrades	Sta irs a n	Total		
				Internal Fitout	E10-E14
1,218,351	520.00	m2	2,343	Allowance for internal fitout of museum	1
1,218,351	Intemal Fitout	Totall			
				Fittings and Fixtures	E15
				Joinery	15.1
100,000	100,000.00	item	1	Allowance for joinery	15.2
100,000	sand Fixtures	al Fitting	Tot		

PROJECT: Civic Administration Building Community Centre and Museum



Code	Description	Quantity	Unit	Rate	Total
E16	Sanitary Plumbing				
16.1	Plumbing reticulation				
16.2	Incoming water supply including meter	1	item	40,000.00	40,000
16.3	Hot wa ter plant	1	item	50,000.00	50,000
16.04	Toile t block				
16.05	Allowance for a toilet block on each level	100	m2	2,500.00	250,000
16.06	Builders Work in Connection				
16.07	Builders work in connection with sanitary plumbing	5	%	340,000.00	17,000
		Т	ota I Sa n	itary Plumbing -	357,000
E17	Heating and Ventilation Services				
17.1	A ir C ond itioning				
17.2	Air conditioning installation to all areas	2,343	m2	400.00	937,200
17.03	Builders Work in Connection				
17.04	Builders work in connection with heating and ventilation services	5	%	937,200.00	46,860
	To	otal Heating a	nd Venti	la tion Services -	984,060
E18	Fire Services				
18.1	Sprinkler Insta lla tion				
18.2	Incoming supply and booster pump	1	item	40,000.00	40,000
18.3	Hydrant risers	1	item	25,000.00	25,000
18.4	Sprinkler installation to other areas	2,343	m2	85.00	199,155
18.5	Fire and Smoke Alarms				
18.6	Allowance for fire and smoke a larm installation	2,343	m2	25.00	58,575
18.7	Builders Work in Connection				
18.8	Builders work in connection with fire services	5	%	322,730.00	16,137
			Tota	al Fire Services _	338,867
E19	Electrical Services				
19.1	Re ticula tion				
19.2	Incoming main supply	1	item	30,000.00	30,000
19.3	Main switchboard	1	no.	30,000.00	30,000
19.4	Floor distribution boards	2	no.	10,000.00	20,000
19.6	Powerand Lighting				
Revision:	O Cuesko Limited / 18-0816 - Taupo Cultural I	Dracinct			Page 9 of 16

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Total	Rate	Unit	Ī	Quantity	Description	Code
351,450	150.00	m2	ı	2,343	General power and lighting to all areas	9.7
6,000	6,000.00	no.	ı	1	Lift supplies	9.12
11,715	5.00	m2	ı	2,343	Emergency lighting	9.13
150,000	150,000.00	item	i	1	Allowance for external feature building lighting	9.14
					Builders Work in Connection	9.15
29,958	599,165	item	i	5	Builders work in connection with electrical services	9.16
629,123	trical Services	ota I Elect	Го	Т		
					Vertical and Horizontal Transportation	20
					Lifts	20.1
100,000	100,000.00	no.	ı	1	Passenger lift; traveling two floors with two stops	20.2
					Builders Work in Connection	20.3
5,000	5,000.00	item	į	1	Builders work in connection with vertical and horizontal transportation	20.4
105,000	ransportation	rizonta I T	) riz	ertical and Ho	To ta I V	
					Special Services	21
					Special Services	21.1
50,000	50,000.00	item	i	1	CCTV installation to circulation and common areas	21.2
10,000	10,000.00	item	i	1	Allowance for access control to entrance	21.4
					Data/Comms	21.5
40,000	40,000.00	item	i	1	Allowance for WiFi	21.7
					Builders Work in Connection	21.8
5,000	5,000.00	item	i	1	Builders work in connection with special services	21.9
105,000	ecial Services	To ta I Sp	T			
					Drainage	22
					Drainage	22.1
12,000	12,000.00	item	i	1	Drainage connections to toilet blocks	22.2
75,000	75,000.00	item	i	1	General sanitary drainage connection	22.3
80,000	ജുത്തത	item	i	1	Storm water drainage connections	22.4
150,000	150,000.00	item	i	1	Allowance for general drainage works not scoped	22.5
					Builders Work in Connection	22.6
15,850	15,850.00	item	i	1	Builders work in connection with drainage	22.7
332,850	otal Drainage	To				

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Code	Description	Quantity	Unit	Rate	Total
E23	Landscaping				
23.1	Land scaping				
23.2	Allowance for Landscaping	9,233	m2	350.00	3,231,582
			Tot	al Landscaping	3,231,582
E25	Preliminaries				
24.1	Allowance for preliminary and general	130	%	12,360,094.7 6	1,606,812
			То	ta I Pre limina ries	1,606,812
E26	Margins				
25.1	Allowance for margin	50	%	13,966,907	698,345
				Total Margins	698,345
				-	
		То	ta I Sta ç	ge 2 - Museum -	14,700,000

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Code	Description	Quantity	Unit	Rate	Total
	Stage - 3 Story Place Landscapig				
2	Landscaping				
	Landscaping	8,239	m2	350.00	2,883,650
			Tota	- I Landscaping	2,883,650
				_	
E25	Preliminaries				
24.1	Allowance for preliminary and general	130	%	2,883,650.00	374,875
			Tota	- a I Prelimina ries	374,875
				_	
E26	Margins				
25.1	Allowance formargin	50	%	3,258,525	201,817
				Total Margins	201,817
	rounding				
		Total Stage - 3 Sto	ry Place	Landscapig - -	3,460,342

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Code	Description	Quantity	Unit	Rate	Total
	Stage 4 - Tongariro Street Landscaping				
1	Landscaping				
	Landscaping Zone 4	5,545	m2	350.00	1,940,782
			То	tal Landscaping	1,940,782
E25	Preliminaries				
24.1	Allowance for preliminary and general	13.0	%	1,940,781.50	252,302
			To	- ota I Prelimina ries	252,302
				-	
<b>E26</b>	Margins	F.O.	0/	1.040.700	125.020
25.1	Allowance formargin	5.0	%	1,940,782	135,930
				Total Margins -	135,930
	rounding				
		Total Stage 4 - Tongarin	al Stage 4 - Tongariro Street Landscaping		

PROJECT: Civic Administration Building Community Centre and Museum



Code	Description	Quantity	Unit	Rate	Total
	<u>Escalation</u>				
	Escalation @4% PA				
	Allowance for escalation @4% per annum for 18 months	1	ite m	2,500,000.00	2,500,000
		To	ta I Esca	la tion @ 4% PA	2,500,000
			Tot	a I Escalation	2,500,000

PROJECT: Civic Administration Building Community Centre and Museum



Code	Description	Quantity	Unit	Rate	Total
	Professional fees				
	Allowance for professional fees				
	Allowance for professional fees	15	%	43,700,000.0 0	6,555,000
		To ta I A llowa no	e for p	rofessional fees	6,555,000
				_	
		Т	ota I Pro	ofessional fees	6,555,000

PROJECT: Civic Administration Building Community Centre and Museum

REPORT: Concept Estimate



Code	Description	Quantity	Unit	Rate	Total
	<u>Project Contingency</u>				
	Allowance for project contingency				
	Allowance for project contingency	20	%	50, 300, 000. 0 0	10,055,000
		Total Allowance fo	or proje	ct contingency .	10,055,000
		Total	Draioct	Contingonou	10.0EE.000
		101a1	Piojeci	t Contingency	10,055,000