REHABILITATION OF KARM EL AREES PARK: DETAILED BOQ								
DESIGN: CATALYTICACTION								
			Price per unit	Unit	Quantity		Total	Notes
A	**Site preparation**							
A.1	General works for site preparation including removal of 2 light poles, removal of portions (5m) of concrete curbs in the play area, removal of the metal bar in the centre of the fountain, demolition of portions of concrete planters, demolition of a portion of parapet wall, moving and replanting of 4 trees and 1 shrub, moving of 4 benches. Complementary works are also included, such as transportation of removed materials to the legal discharge place. Refer to drawing n.02 for more details.		$ -	LS	1		$ -	
B	**Bathrooms**							
B.1	General work for site preparation, including cleaning of both bathrooms, removal of broken windows (frame and glasses) and removal of broken bathroom fixtures. Complementary works are also included, such as transportation of removed materials to the legal discharge place. Refer to drawing n.12 for more details.		$ -	LS	1		$ -	
B.2	Painting of ceilings with water based paint colors. Includes materials and required labour for installation. Refer to drawings n.12 for more details.		$ -	m2	24		$ -	
B.3	Wooden door with frame and lock. Includes materials and required labour for installation. Refer to drawing n.12 for more details.		$ -	n	3		$ -	
B.4	Metal cover with lock for the pit. Includes materials and required labour for installation. Refer to drawing n.12 for more details.		$ -	n	1		$ -	
B.5	New lock for the existing metal doors. Includes materials and required labour for installation. Refer to drawing n.12 for more details.		$ -	n	2		$ -	
B.6	New door bolt for the existing indoor wooden doors. Includes materials and required labour for installation. Refer to drawing n.12 for more details.		$ -	n	3		$ -	
B.7	Toilet seat. Includes materials and required labour for installation. Refer to drawing n.12 for more details.		$ -	n	2		$ -	
B.8	Washbasin. Includes materials, all plumbing works and required labour for installation. Refer to drawing n.12 for more details.		$ -	n	8		$ -	
B.9	Toilet flush button. Includes materials, all plumbing works and required labour for installation. Refer to drawing n.12 for more details.		$ -	n	3		$ -	

B.10	Flat steel profile 3cm (3mm) for the window guard. Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 12 for more details.		$ -	kg	11.07		$ -	
B.11	Hollow steel profile 2x2cm (thickness 2,5 mm) for the window guard. Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 12 for more details.		$ -	kg	25.5		$ -	
C	**Guard room**							
C.1	Painting of existing walls with water based paint colors. Includes materials and required labour for installation. Refer to drawings n.12 for more details.		$ -	m2	21		$ -	
D	**Excavation works**							
D.1	Excavation for the ramps, foundations, tree stumps, benches and paved area. Complementary works are also included, such as transportation of excavated materials to the legal discharge place. Refer to drawings n. 03-04-05-06-07-08-09-10-11 for more details.		$ -	m3	24.65		$ -	
E	**Metal works**							
E.1	Hollow steel profile Ø 1" (thickness 2,5 mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawings n. 07-08-09-10 for more details.		$ -	kg	138.18		$ -	
E.2	Hollow steel profile Ø 2" (thickness 2,5 mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawings n. 04-08-09 for more details.		$ -	kg	161.07		$ -	
E.3	Hollow steel profile 2x2cm (thickness 2,5 mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 04 for more details.		$ -	kg	220.59		$ -	
E.4	Hollow steel profile 5x2,5cm (thickness 2,5 mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 04 for more details.		$ -	kg	54.93		$ -	
E.5	Hollow steel profile 5x5cm (thickness 2,5 mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawings n. 04-07-08-09-10 for more details.		$ -	kg	1044.9		$ -	

E.6	Hollow steel profile 6x6cm (thickness 2,5 mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 04 for more details.		$ -	kg	30.55		$ -	
E.7	Hollow steel profile 8x4cm (thickness 2,5 mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 05 for more details.		$ -	kg	226.08		$ -	
E.8	Flat steel profile 5cm (3mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 04 for more details.		$ -	kg	95.86		$ -	
E.9	Hollow stainless steel profile Ø 1" (6m long - thickness 2,5 mm). Includes materials and required labour to implement the specified design. Refer to drawings n. 07-08-09 for more details.		$ -	n	2		$ -	
E.10	Hollow stainless steel profile Ø 2" (6m long - thickness 2,5 mm). Includes materials and required labour to implement the specified design. Refer to drawings n. 07-08-09 for more details.		$ -	n	6		$ -	
E.11	Stainless steel plate 20x5cm (thickness 3mm). Includes materials and required labour to implement the specified design. Refer to drawings n. 07-08-09 for more details.		$ -	n	7		$ -	
E.12	Stainless steel plate 70x15cm (thickness 3mm). Includes materials and required labour to implement the specified design. Refer to drawing n. 10 for more details.		$ -	n	5		$ -	
E.13	Steel sheet 2x1m (thickness 5mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawings n. 04-07 for more details.		$ -	kg	154		$ -	
E.14	Perforated steel sheet 2x1m (thickness 1.8 mm) square holes-10mm. Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawings n. 08-09 for more details.		$ -	n	2		$ -	
E.15	Extending bottom side of the entrance gate door (using similar metal profiles as the existing ones to make an extension of 180x25cm). Moving existing hinges to switch the opening side of the door. Includes materials and required labour to implement the specified design. Refer to drawing n.03 for more details.		$ -	LS	1		$ -	
F	**Timber works**							

F.1	Wood deck boards (pressure treated wood, cross section 10x2cm). Includes materials and required labour to install the deck boards by using timber screws. Refer to drawings n. 07-08-09-10 for more details.		$ -	m2	8.4		$ -	*Please provide specs and provider warranty details.*
F.2	Pine wood boards (cross section 10x5cm, second grade) for the facades of the towers. Includes materials and required labour for delivering the timber sanded, oil treated and installed on a steel structure as per design by using a bolting system. Note that boards need to be glued together to obtain a continuous surface. Refer to drawings n. 07-08-09-10 for more details.		$ -	m3	4.16		$ -	*Please provide specs of oil based treatment (transparent finish and colour finish)*
F.3	Iroko teak wood (thickness 5cm) for the workshop tables. Includes materials and required labour for delivering the timber sanded, oil treated and installed as per design. Refer to drawing n. 05 for more details.		$ -	m3	0.52		$ -	*Please provide specs of oil based treatment (transparent finish and colour finish)*
F.4	Tree stumps. Includes materials and required labour for installation. Refer to drawing n. 11 for more details.		$ -	m3	0.63		$ -	
G	**Concrete works**							
G.1	M15 concrete for the foundations. Includes materials and required labour for installation. Refer to drawings n.05-07-08-09-10-11 for more details.		$ -	m3	3.06		$ -	
G.2	M25 reinforced concrete for the ramps and the seat of tower D. Includes materials and required labour for installation. Refer to drawings n.03-04-10 for more details.		$ -	m3	30.03		$ -	
G.3	Gravel (to be used for backfilling). Includes materials and required labour for installation. Refer to drawing n. 04 for more details.		$ -	m3	69.5		$ -	
G.4	Artificial stone cladding for the walls of the ramp. The cladding need to match as much as possible the existing one. Includes materials, transport and required labour for installation. Refer to drawing n.04 for more details.		$ -	m2	46.08		$ -	*Please provide specs and provider warranty details.*
G.5	Al Bahar paving stone PS 150 - red/brown colour. Includes interlock blocks, base layers, transport and required labour for installation. Refer to drawing n.06 for more details.		$ -	m2	82		$ -	
G.6	Al Bahar paving stone PS 150 - cement colour. Includes interlock blocks, base layers, transport and required labour for installation. Refer to drawing n.06 for more details.		$ -	m2	4		$ -	
G.7	Al Bahar Zublin2 curb (8x15x50cm - note that to achieve this size, the original Al Bahar Zublin2 curb will need to be cut in half). Includes curbs, base layers, transport and required labour for installation. Refer to drawing n.06 for more details.		$ -	n	236		$ -	*This will cover 118 lm.*
H	**Play items**							

H.1	Nest swing: hollow galvanized steel profile Ø 2" (thickness 2,5 mm). Includes materials and required labour to implement the specified design.		$ -	kg	5.6		$ -	
H.2	Nest swing: double braid polyester rope (Ø 12mm).		$ -	m	40		$ -	
H.3	Nest swing: galvanized steel eye bolts 10mm.		$ -	n	14		$ -	
H.4	Nest swing: stainless steel shackle 8mm with flush allen key locking pin.		$ -	n	16		$ -	
H.5	Nest swing: stainless steel chain 6mm.		$ -	m	8		$ -	
H.6	Nest swing: galvanized steel chain 3mm.		$ -	m	12.5		$ -	
H.7	Labour to assemble and install 1 nest swing made out of hollow galvanized steel ring (outer Ø 1m), galvanized steel eye bolts, double braid polyester rope, chains, shackles and hangers (provided by CA), installed on a steel structure with bolts. Refer to drawing n.08 for more details.		$ -	LS	1		$ -	
			$ -					
H.8	Climbing net: double braid polyester rope (Ø 16mm).		$ -	m	20		$ -	
H.9	Climbing net: stainless steel rope clamp 12mm (to match with 16mm rope).		$ -	n	20		$ -	
H.10	Climbing net: galvanized steel eye bolts 10mm.		$ -	n	10		$ -	
H.11	Labour to assemble and install 1 climbing net (2,5x1,4m) made out of double braid polyester rope and plastic connectors (provided by CA), installed on a steel structure with rope clamps and galvanized steel eye bolts. Refer to drawing n.07 for more details.		$ -	LS	1		$ -	
H.12	Visual panels: Iroko teak wood disks Ø 40cm (thickness 3cm). Includes materials and required labour for delivering the timber sanded, oil treated and installed as per design.		$ -	m3	0.012		$ -	*Please provide specs of oil based treatment (transparent finish and colour finish)*
H.13	Visual panels: pine wood (second grade). Includes materials and required labour for delivering the timber sanded, oil treated and installed as per design.		$ -	m3	0.007		$ -	*Please provide specs of oil based treatment (transparent finish and colour finish)*
H.14	Visual panels: ball bearing inner Ø 1cm.		$ -	n	2		$ -	
H.15	Visual panels: rubber spacer inner Ø 10mm, outer Ø 25mm - h.10mm.		$ -	n	2		$ -	
H.16	Labour to assemble and install 2 spinning visual panels made out of Iroko teak wood disks, pine wood frame and installed on a timber surface with ball bearings and bolts. Exposed bolts will need to be covered with plastic bolt caps. Refer to drawing n. 09 for more details.		$ -	LS	1		$ -	
H.17	Musical chimes: hollow galvanized steel profile Ø 1-1/4" (thickness 2,5 mm). Includes materials and required labour to implement the specified design.		$ -	kg	12		$ -	

H.18	Musical chimes: galvanized steel eye bolts 10mm.		$ -	n	1		$ -	
H.19	Musical chimes: rubber spacer inner Ø 8mm, outer Ø 20mm - h.20mm.		$ -	n	32		$ -	
H.20	Musical chimes: PVC covered steel cable 3mm.		$ -	m	1.5		$ -	
H.21	Musical chimes: aluminium wire rope ferrule (to match with 3mm cable).		$ -	n	2		$ -	
H.22	Musical chimes: mallet made out of metal stick (15cm long) and wooden sphere (Ø 5cm).		$ -	n	1		$ -	
H.23	Labour to assemble and install 1 musical chimes made out of hollow galvanised steel profiles (Ø 1-1/4") installed on a steel structure with rubber spacers and bolts. Exposed bolts will need to be covered with plastic bolt caps. A small mallet with PVC covered steel cable also needs to be installed with ferrules. Refer to drawing n. 07 for more details.		$ -	LS	1		$ -	
H.24	Music rollers: Iroko teak wood (thickness 3cm). Includes materials and required labour for delivering the timber sanded, oil treated and installed as per design. Refer to drawing n. 07 for more details.		$ -	m3	0.03		$ -	*Please provide specs of oil based treatment (transparent finish and colour finish)*
H.25	Music rollers: ball bearing inner Ø 1".		$ -	n	4		$ -	
H.26	Acacus: Iroko teak wood (thickness 3cm). Includes materials and required labour for delivering the timber sanded, oil treated and installed as per design. Refer to drawing n. 08 for more details.		$ -	m3	0.018		$ -	*Please provide specs of oil based treatment (transparent finish and colour finish)*
H.27	Cubes: pine wood (second grade). Includes materials and required labour for delivering the timber sanded, painted, oil treated and installed as per design. Refer to drawing n. 09 for more details.		$ -	m3	0.045		$ -	*Please provide specs of oil based treatment (transparent finish and colour finish)*
H.28	Periscope: hollow steel profile Ø 6" (thickness 2mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 09 for more details.		$ -	kg	15.65		$ -	
H.29	Speaking pipes: hollow steel profile Ø 2" (thickness 2,5 mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawings n. 08 for more details.		$ -	kg	10.5		$ -	
H.30	Speaking pipes: 90 degree curved steel connector Ø 2" (thickness 2,5 mm). Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 08 for more details.		$ -	n	2		$ -	

H.31	Speaking pipes: steel cone outer Ø20 cm - inner Ø2". Includes materials and required labour to implement the specified design. Steel has to be treated with a waterproofing sealant and painted (two layers). Refer to drawing n. 08 for more details.		$ -	n	2		$ -	
H.32	Mirrors: reflective Alucubond sheet 122x400cm (thickness 5mm). Includes material, cnc cutting and installation on a timber surface with PU45 glue.		$ -	n	1		$ -	
H.33	Coloured plexiglass disk Ø 40cm (thickness 12mm). Includes material, cnc cutting and installation on a steel surface by using a bolting system. Refer to drawings n.07-08-09-10 for more details.		$ -	n	10		$ -	
	Subtotal						**$ -**	
	V.A.T. 11%						**$ -**	
	GRAND TOTAL:						**$ -**	