

THE HONG KONG CONSTRUCTION ASSOCIATION, LTD.

**HKCA SCHEDULES
FOR PLANT USED IN DAYWORKS
CARRIED OUT INCIDENTAL TO CONTRACT WORK**

(2013 EDITION)

These Schedules of plant charges have been prepared for use in connection with Dayworks carried out incidental to contract work where no other rates have been agreed. They are not intended to be applicable to Dayworks ordered to be carried out after the contract works have been substantially completed or to a contract to be carried out wholly on a daywork basis. The circumstances of such works vary so widely that the rates applicable call for special consideration and agreement between contractor and employing authority.

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SECTION: 01

EQUIPMENT: CONCRETING PLANT

Item No.	Description	Nominal size or capacity	2013 Rate (HK\$)	Remarks
SECTION: 01				
EQUIPMENT: CONCRETING PLANT				
Note: Indicated hire rates are per unit machine hour, unless otherwise stated.				
1	Concrete Mixers	Wet capacity		
1.01	Tilting Drum mixer	Up to 100 litres	16	
1.02	Ditto	Up to 150 litres	28	
1.03	Ditto	Up to 200 litres	43	
1.04	Non-tilting mixer with integral batch weighing	Up to 300 litres	118	
1.05	Ditto	Up to 400 litres	123	
1.06	Ditto	Up to 500 litres	143	
1.07	Extra for power driven loading shovel	All sizes	19	
1.08	Extra for aggregate feed apron		4	
1.09	Tilting or non-tilting drum mixers or pan mixers incorporated into a structure with cement silos, etc. built in weighing and batching equipment combined to form a batching plant			Rates to be negotiated
1.10	Mortar or roller pan mixer	Up to 200 litres	96	
1.11	Power driven batch loader for mortar		39	
1.12	Cement silo: low level	Up to 25 tonnes	27	
1.13	Ditto	Up to 55 tonnes	46	
1.14	Extra for silo aeration		3	
1.15	Extra for autofeed, hydraulic cement weighgear and screw discharge		56	
1.16	Ditto, with electronic weighgear		67	
2	Grouting Equipment	Maximum output in litre/min		
2.01	Grout mixer, roller type	Up to 25	82	
2.02	Ditto	Up to 50	118	
2.03	Grout mixer, single drum	Up to 60	100	
2.04	Ditto, double drum	Up to 110	170	
2.05	Ditto, ditto	Up to 170	230	

2.06	Loading hopper c/w weighgear and loading shovel	Up to 250 kg	227	
		Max output litre/min		
2.07	Grout mixer/pump c/w loading hopper, weighgear and double drum	Up to 22	359	
2.08	Grouting machine including pump and hopper	Up to 40	88	
2.09	Ditto	Up to 70	107	
2.10	Ditto	Up to 110	123	
2.11	Grout pump (electric)	Up to 310	79	
2.12	Ditto	Up to 480	86	
2.13	Agitating tank for use with grout pumps		37	
2.14	Grout pump, hand operated	Up to 25	41	
3	Concrete truck/mixers/agitators	Capacity in m3		
		Mixer		
3.01	Concrete truck/mixer/agitator (including separate engine with mechanical or hydraulic drive to drum)	Up to 4.5	523	
3.02	Ditto	Up to 5.0	549	
3.03	Ditto	Up to 6.0	800	
3.04	Ditto	Over 7.0	816	
4	Concrete Pumping Equipment	Maximum output per hour		
4.01	Concrete pump, skid or trailer mounted including pipe cleaning equipment (excluding piping)	Up to 25m3	435	
4.02	Ditto	Up to 50m3	450	
4.03	Ditto	Up to 75m3	630	
4.04	Ditto	Up to 100m3	1065	

4.05	Ditto	Up to 125m3	1331	
4.06	Concrete pump, lorry mounted including boom and pipe cleaning equipment (excluding piping)	Up to 50m3	922	
4.07	Ditto	Up to 75m3	1280	
4.08	Ditto	Up to 100m3	1780	
4.09	Ditto	Up to 150m3	2669	
		Diameter		
4.10	Piping per 3m length	Up to 102mm	8	per day
4.11	Ditto	Up to 127mm	13	per day
4.12	Ditto	Up to 152mm	27.2	per day
4.13	Extra for bend, each	Up to 102mm	13	per day
4.14	Extra for ditto	Up to 127mm	22.4	per day
4.15	Extra for ditto	Up to 152mm	34	per day
5	Ancillary Concreting Equipment			
5.01	Flexible distributor hose per 4m length	Up to 102mm dia	60	per day
5.02	Ditto	Up to 127mm dia	102	per day
5.03	Ditto	Up to 152mm dia	269	per day
5.04	Shut off pipe section, each	Up to 102mm dia	37	per day
5.05	Ditto	Up to 127mm dia	43	per day
5.06	Ditto	Up to 152mm dia	77	per day
5.07	Vibrator poker, petrol driven		19	
5.08	Vibrator poker, diesel driven		28	
5.09	Vibrator poker, electric		19	
5.10	Ditto, air (excluding compressor)		7	
5.11	Alternator/frequency converter	Up to 2.5 KVA	33	
5.12	Ditto	Up to 4.5 KVA	47	
5.13	Vibrator poker (HF motor in head type)		22	
5.14	Vibrator external type, clamp-on electric		24	
5.15	Ditto, air (excluding compressor)		11	
5.16	Vibrator tamper type including single timber or metal screed board, up to 3.25m length		22	
5.17	Ditto including double timber or metal screed board ditto		33	
5.18	Extra over items 5.16 and 5.17 for additional screed board length	per 300mm additional screed board length	4	
5.19	Power float, petrol or electric driven		27	
		Blade dia		
5.20	Concrete saw (exclusive of blades and water supply) manually propelled	Up to 350mm	33	
5.21	Ditto	Up to 450mm	39	
5.22	Ditto, self-propelled	Up to 500mm	43	
5.23	Ditto, with hydraulic system for blade movement	Up to 600mm	98	
5.24	Ditto	Up to 900mm	119	
		Width		

5.25	Joint former, hand propelled, with vibratory blade	Up to 2.4m	87	
5.26	Ditto	Up to 8.2m	118	
5.27	Grinder, pedestrian operated		39	
5.28	Concrete pram dobbin rubber tyred	Up to 200 litre	25	per day
5.29	Ditto	Up to 280 litre	44	per day
5.30	Power driven barrow	Up to 170 litre	11	

SECTION: 02

EQUIPMENT: CRANEAGE AND PILING

Item No.	Description	Nominal size or capacity	2013 Rate (HK\$)	Remarks
SECTION: 02				
EQUIPMENT: CRANEAGE AND PILING				
Note: Indicated hire rates are per unit machine hour, unless otherwise stated.				
1	Cranes	Maximum working		
1.01	Mobile, rubber tyred (site use only) full circle slew	Up to 7.5 tonnes	364	
1.02	Ditto	Up to 10.0 tonnes	374	
1.03	Ditto	Up to 12.5 tonnes	425	
1.04	Ditto	Up to 15.0 tonnes	507	
1.05	Ditto	Up to 20.0 tonnes	572	
1.06	Mobile, rubber tyred rough terrain type (site use only)	Up to 15.0 tonnes	650	
1.07	Ditto	Up to 20.0 tonnes	710	
1.08	Ditto	Up to 25.0 tonnes	930	
1.09	Ditto	Up to 50.0 tonnes	1323	
1.10	Ditto	Up to 75.0 tonnes	2042	
1.11	Crawler mounted crane (site use only)	Up to 30.0 tonnes	477	
1.12	Ditto	Up to 60.0 tonnes	980	
1.13	Ditto	Up to 80.0 tonnes	1426	
1.14	Ditto	Up to 100.0 tonnes	1715	
1.15	Ditto	Up to 125.0 tonnes	1774	
1.16	Ditto	Up to 150.0 tonnes	1915	
1.17	Ditto	Up to 200.0 tonnes	2412	
1.18	Ditto	Up to 250.0 tonnes	2680	
1.19	Ditto	Up to 300.0 tonnes	3350	
1.20	Ditto	Up to 400.0 tonnes		Rates to be negotiated
1.21	Ditto	Up to 500.0 tonnes		
1.22	Lorry mounted or all terrain crane	Up to 20.0 tonnes	705	These rates are applicable to wheeled, mobile crane units, fitted with cab, outriggers, etc.
1.23	Ditto	Up to 30.0 tonnes	876	
1.24	Ditto	Up to 50.0 tonnes	1097	
1.25	Ditto	Up to 75.0 tonnes	2009	
1.26	Ditto	Up to 100.0 tonnes	2317	
1.27	Ditto	Up to 125.0 tonnes	2957	
1.28	Ditto	Up to 150.0 tonnes	3720	
1.29	Ditto	Up to 200.0 tonnes	4023	
1.30	Ditto	Up to 300.0 tonnes	6715	

1.31	Tower crane, electric, erected complete with ballast. Standard trolley or luffing jib, rail mounted (static or travelling) or fixed on cill plates or fixing angles. Capacity (in metre tonnes) is the maximum radius at which the load can be lifted when the crane is fitted with its maximum jib length.	Height under hook		
	Up to 30 tonnes	Up to 25m	285	
1.32	Up to 40 tonnes	Up to 30m	287	
1.33	Up to 50 tonnes	Up to 30m	310	
1.34	Up to 65 tonnes	Up to 30m	441	
1.35	As described at 1.30 above, but excluding luffing jib cranes; 65 - 80	Up to 36m	477	
1.36	Up to 100 tonnes	Up to 36m	496	
1.37	Up to 150 tonnes	Up to 36m	710	
1.38	Up to 175 tonnes	Up to 36m	773	
1.39	Up to 200 tonnes	Up to 36m	918	
1.40	Up to 250 tonnes	Up to 36m	1131	
1.41	Luffing jib cranes exceeding 65 tonnes - rating to be charged at the following percentage of the above rates		135%	
1.42	Extra for extended height of tower (including accessories) for trolley jib cranes; Up to 140 tonnes	Per 1 metre of height	3	
1.43	Up to 250 tonnes	Ditto	5	
1.44	Extra for extended height of tower (including accessories) for luffing jib cranes; Up to 60 tonnes	Per 1 metre of height	3	
1.45	Up to 170 tonnes	Ditto	5	
		For tower cranes		
1.46	Tower crane track, complete, per metre	Up to 61 tonnes	9	per day
1.47	Ditto	Up to 300 tonnes	12	per day
2	Crane Equipment	Struck capacity		
2.01	Crane grab, all types, excavating (normal weight)	Up to 0.55m ³	35	
2.02	Ditto	Up to 0.80m ³	44	
2.03	Ditto	Up to 1.25m ³	55	
2.04	Ditto	Up to 1.50m ³	66	
2.05	Ditto	Up to 2.00m ³	82	
2.06	Ditto	Up to 2.50m ³	101	
2.07	Ditto	Up to 3.50m ³	150	
2.08	Ditto	Up to 4.50m ³	168	
2.09	Ditto (heavy duty)	Up to 0.55m ³	50	
2.10	Ditto	Up to 0.80m ³	63	
2.11	Ditto	Up to 1.25m ³	83	

2.12	Crane grab, all types, rehandling (normal weight)	Up to 0.55m ³	23	
2.13	Ditto	Up to 0.80m ³	24	
2.14	Ditto	Up to 1.25m ³	35	
2.15	Ditto (heavy duty)	Up to 0.55m ³	36	
2.16	Ditto	Up to 0.80m ³	48	
2.17	Ditto	Up to 1.25m ³	60	
2.18	Skip, muck tipping circular	Up to 0.80m ³	13	
2.19	Ditto	Up to 1.60m ³	25	
2.2	Skip concrete lay down or roll over, standard front or bottom discharge	Up to 0.60m ³	13	
2.21	Ditto	Up to 0.80m ³	14	
2.22	Ditto	Up to 1.20m ³	15	
2.23	Skip concrete roll over, geared or hydraulic hand operated clamshell	Up to 0.60m ³	9	
2.24	Ditto	Up to 0.80m ³	15	
2.25	Ditto	Up to 1.20m ³	20	
2.26	Ditto	Up to 1.60m ³	28	
		Chain dia. in mm		
2.27	Chain slings or brothers - Single	Up to 16mm	10	per day
2.28	Ditto	Up to 19mm	14	per day
2.29	Ditto	Up to 22mm	17	per day
2.30	Chain slings or brothers - Double, at 90 deg	Up to 16mm	20	per day
2.31	Ditto	Up to 19mm	28	per day
2.32	Ditto	Up to 22mm	36	per day
2.33	Grab tag lines	Up to 1.20m ³ Grab	123	per day
2.34	Ditto	Over 1.20m ³ Grab	180	per day
		Dead weight		
2.35	Demolition ball	Up to 510kg	25	per day
2.36	Ditto	Up to 1020kg	36	per day
2.37	Ditto	Up to 1550kg	52	per day
2.38	Ditto	Up to 2050kg	64	per day
3	Piling Plant (excluding compressor and crane)	Hammer weight		
3.01	Hydraulically operated drop hammer c/w hydraulic power pack	Up to 3000kg	1122	
3.02	Ditto	Up to 5000kg	1307	
3.03	Ditto	Up to 7000kg	1487	
3.04	Ditto	Up to 10000kg	2033	
3.05	Ditto	Up to 15000kg	2478	
3.06	Ditto	Up to 20000kg	2937	
3.07	Ditto	Up to 25000kg	3384	

3.08	Air driven impulse hammer	Total weight Up to 5 tonnes		
		Hammer weight		
3.09	Drop hammer (bare) suitable for use with channel or tubular leaders fitted with leather guides and rubber inserts	Up to 1016kg	31	
3.10	Ditto	Up to 2032kg	39	
3.11	Ditto	Up to 3048kg	48	
3.12	Internal drop hammer (for use with cased piles): Internal dia of cased pile up to 305mm	Up to 1270kg	24	
3.13	Ditto up to 406mm	Up to 3556kg	28	
3.14	Ditto up to 508mm	Up to 5588kg	38	
		Unit weight		
3.15	Air operated extractor (excluding compressor)	Up to 764kg		
3.16	Ditto	Up to 1705kg		
3.17	Ditto	Up to 3000kg		
3.18	Ditto	Up to 4590kg		
		Diameter		
3.19	Flexible reinforced rubber hose (for compressed air) per metre	Up to 32mm	5	per day
3.20	Ditto	Up to 38mm	5	per day
3.21	Ditto	Up to 51mm	8	per day
3.22	Ditto	Up to 64mm	9	per day
		Piston weight		
3.23	Diesel hammer (including complete set of guide equipment) (single acting)	Up to 500kg	192	
3.24	Ditto	Up to 1000kg	237	
3.25	Ditto	Up to 1500kg	291	
3.26	Ditto	Up to 2000kg	320	
3.27	Ditto	Up to 2500kg	438	
3.28	Ditto	Up to 3000kg	450	
3.29	Ditto	Up to 3500kg	560	
3.30	Ditto	Up to 5000kg	891	
3.31	Ditto	Up to 6500kg	1072	
3.32	Ditto	Up to 8000kg	1167	
3.33	Ditto	Up to 10000kg	1286	
3.34	Ditto	Up to 12000kg	1406	
3.35	Ditto	Up to 16000kg	1671	
		Centrifugal force		
		Tonnes		
3.36	Hydraulic vibrating hammer/extractor including power pack	Up to 25	821	
3.37	Ditto	Up to 50	1155	
3.38	Ditto	Up to 75	1573	
3.39	Ditto	Up to 150	3000	

3.40	Hydraulic vibrating hammer/extractor including power pack	Up to 210	3174	
3.41	Ditto	Up to 250	3619	
3.42	Ditto	Up to 300	4177	
3.43	Ditto	Up to 350	4734	
3.44	Ditto	Up to 400	5290	
3.45	Pile helmet for pile with dollies	Up to 254mm x 254mm	16	per day
3.46	Ditto	Up to 508mm x 508mm	29	per day
		Length of jib		
3.47	Hanging leaders channel type (for use with drop hammer)	12.2m	84	per day
3.48	Ditto	15.3m	96	per day
		Crane boom		
3.49	Hanging leaders rectangular section 610mm x 610mm (for use with drop or diesel hammers)	Up to 10m	163	per day
3.50	Ditto	Up to 16m	181	per day
3.51	Hanging leaders rectangular section 840mm x 840mm	Up to 15m	237	per day
3.52	Ditto	Up to 20m	279	per day
3.53	Ditto	Up to 25m	292	per day
		Diameter		
3.54	Reverse circulation drill, hydraulic, with power pack	Up to 1000mm	1002	
3.55	Ditto	Up to 1500mm	1532	
3.56	Ditto	Up to 2000mm	1994	
3.57	Ditto	Up to 2500mm	2575	
3.58	Ditto	Up to 3000mm	3091	
3.59	Ditto	Up to 3500mm	3606	
3.60	Drill bit (body only - excluding cutters)	Up to 1000mm	178	
3.61	Ditto	Up to 1500mm	233	
3.62	Ditto	Up to 2000mm	287	
3.63	Ditto	Up to 2500mm	452	
3.64	Ditto	Up to 3000mm	685	
3.65	Ditto	Up to 3500mm	320	
3.66	Reverse circulation drill string	Up to 40m	39	
3.67	Ditto	Up to 60m	50	
3.68	Ditto	Up to 100m	72	
3.69	Ditto	Up to 125m	86	
3.70	Ditto	Up to 150m	101	
3.71	Under-reaming or bellling out tool			Rates to be negotiated
3.72	Side cutters, centre cutters			Rates to be negotiated
3.73	Bucket, tremie concrete	Up to 2.0m3	42	
3.74	Ditto	Up to 6.0m3	58	

		Diameter		
3.75	Casing oscillator, hydraulic, with power pack	Up to 1500mm	795	
3.76	Ditto	Up to 1800mm	863	
3.77	Ditto	Up to 2000mm	943	
3.78	Ditto	Up to 2500mm	1077	
3.79	Ditto	Up to 3000mm	1211	
3.80	Ditto	Up to 3500mm	1345	
3.81	Casing rotator hydraulic with power	Up to 2000mm	2829	
3.82	Ditto	Up to 3000mm	3633	
3.83	Ditto	Up to 3200mm	4035	
		Line Pull		
3.84	Casing vibrator	Up to 41 tonnes	821	
3.85	Ditto	Up to 61 tonnes	1643	
		Bit diameter		
3.86	Down the hole pre-drilling equipment, complete with high torque rotator, power pack, 8 metre length of drilling rod and hammer (excluding carrier)	450mm	836	
3.87	Ditto	550mm	996	
3.88	Extra for additional lengths of drilling	5 metre length	16	
3.89	Auger piling, diaphragm walling machines and other specialist equipment			Rates to be negotiated
4	Piling Temporary sheet piling, steel trench sheeting and casings to be charged as material. The residual value of recovered sheet piling, steel trench sheeting and casings to be the subject of special agreement			

SECTION: 03

EQUIPMENT: EARTHMOVING

Item No.	Description	Nominal size or capacity	2013 Rate (HK\$)	Remarks
SECTION: 03				
EQUIPMENT: EARTHMOVING				
Note: Indicated hire rates are per unit machine hour, unless otherwise stated.				
1	Dump trucks (Site use only)	Maker's rated payload		
1.01	Rear dump truck	Up to 45000kg	1336	
1.02	Ditto	Up to 50000kg	1357	
1.03	Articulated dump truck	Up to 12200kg	316	
1.04	Ditto	Up to 18500kg	418	
1.05	Ditto	Up to 23000kg	561	
1.06	Ditto	Up to 30000kg	705	
1.07	Ditto	Up to 35000kg	1126	
1.08	Ditto	Up to 40000kg	1272	
2	Excavators and Excavator cranes	Maker's rated		
		* If not stated, the weight of the particular model including boom, bucket and track configuration is to be		
2.01	Rope operated, full circle slew, crawler mounted, with single equipment	Up to 0.80m ³	411	
2.02	Ditto	Up to 1.00m ³	461	
2.03	Ditto	Up to 1.20m ³	551	
2.04	Ditto	Up to 1.50m ³	669	
2.05	Ditto	Up to 2.00m ³	843	
2.06	Ditto	Up to 2.30m ³	958	
2.07	Ditto	Up to 2.70m ³	1154	
		Maker's rated face shovel capacity		
2.08	Rope operated, full circle slew, crawler mounted, with single equipment (face shovel)	Up to 0.70m ³	406	
2.09	Ditto	Up to 1.00m ³	549	
2.10	Ditto	Up to 1.50m ³	762	
2.11	Ditto	Up to 2.50m ³	1286	
		Maker's Rated Nominal weight of machine		
2.12	Hydraulic, full circle slew, crawler or wheel mounted, with single equipment (backacter)	Up to 10 tonnes	273	
2.13	Ditto	Up to 15 tonnes	390	

2.14	Ditto	Up to 20 tonnes	527	
2.15	Ditto	Up to 25 tonnes	702	
2.16	Ditto	Up to 30 tonnes	797	
2.17	Ditto	Up to 40 tonnes	974	
2.18	Ditto	Up to 55 tonnes	1485	
2.19	Ditto	Up to 75 tonnes	1719	
		Unit weight less cradle		
2.20	Extra for machine mounted percussion breaker	Up to 100kg	60	
2.21	Ditto	Up to 500kg	109	
2.22	Ditto	Up to 1000kg	196	
2.23	Ditto	Up to 1500kg	236	
2.24	Ditto	Up to 2000kg	296	
2.25	Ditto	Up to 3000kg	418	
		Maker's rated loader bucket capacity		
2.26	Hydraulic, offset or centre post, half circle slew, wheeled, dual purpose (back hoe/loader)	Up to 0.60m3	209	
2.27	Ditto	Up to 0.80m3	214	
2.28	Ditto	Up to 1.00m3	224	
2.29	Ditto	Up to 2.00m3	300	
2.30	Ditto	Up to 3.00m3	378	
2.31	Excavator mats, light	150mm thick	6	per sq.m
2.32	Ditto, heavy	300mm thick	6	per sq.m
3	Tractors, Graders, etc.	Maker's rated		
3.01	Tractor (crawler) with bull or angle dozer (hydraulically or winch operated)	Up to 70.0kW	363	
3.02	Ditto	Up to 85.0kW	457	
3.03	Ditto	Up to 115.0kW	599	
3.04	Ditto	Up to 135.0kW	698	
3.05	Ditto	Up to 185.0kW	923	
3.06	Ditto	Up to 215.0kW	1364	
3.07	Ditto	Up to 250.0kW	1532	
3.08	Ditto	Up to 350.0kW	1893	
3.09	Ditto	Up to 450.0kW	2790	
3.10	Ripper attachment to items 3.01 to 3.09			Rates to be negotiated
		SAE rated capacity		
3.11	Tractor loading shovel (crawler)	Up to 1.00m3	398	
3.12	Ditto	Up to 1.50m3	529	
3.13	Ditto	Up to 2.00m3	724	
3.14	Ditto	Up to 2.50m3	1001	
3.15	Ditto	Up to 3.50m3	1087	

3.16	Tractor loading shovel (crawler) with backhoe equipment	Add to above rates	12.50%
3.17	Tractor loading shovel (crawler) with 4 in 1 attachment	Add to above rates	17.50%
3.18	Tractor loading shovel (crawler) with additional hydraulic mounted ripper	Up to 1.00m3	454
3.19	Ditto	Up to 1.50m3	673
3.20	Ditto	Up to 2.00m3	918
3.21	Tractor loading shovel, wheeled, 4 wheel drive (articulated)	Up to 1.00m3	269
3.22	Ditto	Up to 1.50m3	415
3.23	Ditto	Up to 2.00m3	525
3.24	Ditto	Up to 2.50m3	626
3.25	Ditto	Up to 3.00m3	824
3.26	Ditto	Up to 3.50m3	925
3.27	Ditto	Up to 4.00m3	1229
3.28	Ditto	Up to 5.00m3	1396
3.29	Tractor loading shovel (wheeled) with 4 wheel drive - articulated with 4 in 1 attachment	Up to 1.00m3	308
3.30	Ditto	Up to 1.50m3	430
3.31	Ditto	Up to 2.00m3	519
3.32	Ditto	Up to 2.70m3	708
3.33	Ditto	Up to 3.50m3	1197
3.34	Tractor loading shovel (wheeled) skid steer loader	Up to 0.40m3	162
3.35	Tractor loading shovel (wheeled) with 2 wheel drive	Up to 1.00m3	224
3.36	Ditto	Up to 1.25m3	269
		Variable blade/flywheel kW	
3.37	Motor grader	Up to 80kW	360
3.38	Ditto	Up to 110kW	457
3.39	Ditto	Up to 120kW	527
3.40	Ditto	Up to 160kW	608
3.41	Ditto	Up to 200kW	929
3.42	Wheeled tractor (rubber tyred)	Up to 50kW	117
3.43	Ditto	Up to 75kW	201
3.44	Ditto	Up to 95kW	295
3.45	Ditto	Up to 120kW	351
3.46	Ditto	Up to 140kW	427
		Heaped capacity	
3.47	Motorised scraper (rubber tyred) (single engine)	Up to 16.0m3	1294
3.48	Ditto	Up to 23.0m3	1702

3.49	Motorised scraper (rubber tyred) (twin engine)	Up to 16.0m3	1465
3.50	Ditto	Up to 25.0m3	2123
3.51	Ditto	Up to 35.0m3	3058
3.52	Motorised elevating scraper (rubber	Up to 9.0m3	886
3.53	Ditto	Up to 15.0m3	1210
3.54	Ditto	Up to 20.0m3	1663
		Flywheel kW	
3.55	Trencher, chain bucket or wheel type	Up to 30kW	143
3.56	Ditto	Up to 50kW	273
3.57	Ditto	Up to 100kW	452
3.58	Ditto	Up to 200kW	886
3.59	Ditto	Up to 300kW	1367
4	Rammers and Compactors	Weight	
4.01	Vibro or vibration rammer	Up to 70kg	19
4.02	Ditto	Up to 200kg	24
4.03	Vibrating plate compactor	Up to 150kg	26
4.04	Ditto	Up to 200kg	34
4.05	Ditto	Up to 300kg	43
4.06	Ditto	Up to 400kg	63
4.07	Ditto	Up to 500kg	78
4.08	Ditto	Up to 600kg	94
4.09	Jumping rammer including trolley	Up to 100kg	23
5	Rollers	Unballasted weight/tonnes	
5.01	Road deadweight (steel 3 wheel/3 roll, diesel)	Up to 6.10	153
5.02	Ditto	Up to 10.50	170
5.03	Ditto	Up to 13.00	206
5.04	Ditto (tandem) diesel	Up to 8.50	162
		Average weight (tonne/wheel)	
5.05	Rubber tyred self propelled	Up to 1.0	226
5.06	Ditto	Up to 2.0	352
5.07	Ditto	Up to 3.0	486
5.08	Vibratory pedestrian operated (single roller)	Up to 700kg	34
5.09	Ditto (twin roller)	Up to 650kg	42
5.10	Ditto	Up to 950kg	50

5.11	Ditto	Up to 1300kg	70
5.12	Ditto	Up to 1750kg	114
5.13	Towed, vibratory trailer	Up to 1500kg	59
5.14	Ditto	Up to 6500kg	109
5.15	Ditto	Up to 8800kg	130
5.16	Ditto	Up to 11700kg	159
5.17	Ditto	Up to 13300kg	174
5.18	Self propelled vibratory tandem (seated control)	Up to 1.4 tonnes	80
5.19	Ditto	Up to 2.5 tonnes	109
5.20	Ditto	Up to 5.0 tonnes	185
5.21	Ditto	Up to 9.0 tonnes	306
5.22	Ditto	Up to 12.0 tonnes	377
5.23	Ditto, single roll rubber tyred driving wheels	Up to 8.2 tonnes	319
5.24	Ditto	Up to 10.5 tonnes	360
5.25	Scarifier (working time), extra over roller, including sharpening tines	1 Tine	46
5.26	Ditto	2 Tine Hydraulic	74
5.27	Ditto	3 Tine Hydraulic	103
		Maker's rated	
5.28	Compactor, sheep's foot, self-propelled tamping foot heavy duty wheeled	Up to 130kW	519
5.29	Ditto	Up to 200kW	694
5.30	Ditto	Up to 300kW	1032

SECTION: 04

EQUIPMENT: MISCELLANEOUS

Item No.	Description	Nominal size or capacity	2013 Rate (HK\$)	Remarks
SECTION: 04				
EQUIPMENT: MISCELLANEOUS				
Note: Indicated hire rates are per unit machine hour, unless otherwise stated.				
1	Access Platforms	Capacity kg		
1.01	Scissor lift self propelled, yard travel	Up to 400kg	93	
1.02	Ditto	Up to 800kg	142	
1.03	Ditto	Over 800kg	196	
		Capacity Kg	Platform height	
1.04	Ditto, rough terrain travel	Up to 800	Up to 9.0m	343
1.05	Ditto	Over 800	Any height	343
1.06	Ditto, hand propelled or towed	Any	Up to 7.0m	343
1.07	Ditto	Any	Up to	343
1.08	Telescopic self propelled platform, yard travel	Up to 400	Up to 10.0m	467
1.09	Ditto	Up to 400	Up to	467
1.10	Telescopic self propelled platform, rough terrain travel	Add to above rates		60%
1.11	Vehicle mounted platform, telescopic/articulated (excluding	Any	Up to 20.0m	534
1.12	Ditto	Any	Up to	565
1.13	Ditto	Any	Up to	1935
2	Bar bending machines and bar shearing machines	Steel rod diameter		
2.01	Bar bending machine	Up to 55mm	300	per day
2.02	Bar shearing machine	Up to 55 mm	500	per day
3	Compressors	Normal delivery of free air per minute at 7kg per cm²		Rates to be negotiated for compressors with higher working pressure
3.01	Compressor (silenced machine only)	Up to 4.0m ³ /min	92	For all non-silenced machines, the rates are to be discounted by 20%.
3.02	Ditto	Up to 6.0m ³ /min	118	
3.03	Ditto	Up to 8.0m ³ /min	180	

3.04	Ditto	Up to 11.0m ³ /min	236	
3.05	Ditto	Up to 14.0m ³ /min	293	
3.06	Ditto	Up to 17.0m ³ /min	326	
3.07	Ditto	Up to 20.0m ³ /min	367	
3.08	Ditto	Up to 26.0m ³ /min	433	
3.09	Lorry mounted silenced compressor (machine and lorry only - site and public highway use)	Up to 3.0m ³ /min	198	
3.10	Ditto	Up to 4.5m ³ /min	269	
3.11	Ditto	Up to 6.0m ³ /min	299	
3.12	Tractor mounted silenced compressor, machine and tractor (with or without front loading bucket only). site use only	Up to 4.0m ³ /min	210	
3.13	Air receiver	Up to 2.0m ³ /min	21	per day
3.14	Ditto	Up to 4.0m ³ /min	52	per day
3.15	Ditto	Up to 8.0m ³ /min	113	per day
3.16	Super silenced compressor (less than 81 dBA at 7m in any direction)	Add to above rates	50%	
4	Dumpers	Maker's rated payload		
4.01	Small dumper (site use only) manual gravity tipping, 2 wheel drive	Up to 1200kg	40	
4.02	Ditto	Up to 1500kg	50	
4.03	Ditto, hydraulic tipping	Up to 2150kg	55	
4.04	Ditto, 4 wheel drive, hydraulic tipping	Up to 2100kg	92	
4.05	Ditto	Up to 2550kg	96	
4.06	Ditto	Up to 3100kg	109	
4.07	Ditto	Up to 4100kg	162	
4.08	Small dumper (site use only) manual gravity tipping, 4 wheel drive, hydraulic tipping	Up to 5100kg	178	
4.09	Ditto	Up to 6100kg	220	
4.10	Extra for high discharge or for turntable skip on equivalent standard dumper rate	Add to above rates	25%	
5	Generating Sets and Transformers	Nominal rating		
5.01	Generating set	Up to 10.0kVA	55	
5.02	Ditto	Up to 16.0kVA	86	
5.03	Ditto	Up to 30.0kVA	150	
5.04	Ditto	Up to 50.0kVA	160	
5.05	Ditto	Up to 70.0kVA	178	
5.06	Ditto	Up to 90.0kVA	204	
5.07	Ditto	Up to 100.0kVA	233	
5.08	Ditto	Up to 120.0kVA	360	
5.09	Ditto	Up to 160.0kVA	380	
5.10	Ditto	Up to 210.0kVA	400	
5.11	Ditto	Up to 280.0kVA	560	
5.12	Ditto	Up to 330.0kVA	650	
5.13	Transformer, stationary (air cooled)	Up to 15.0kVA	19	

5.14	Ditto (oil immersed)	Up to 100.0kVA	28	
5.15	Ditto	Up to 200.0kVA	42	
5.16	Ditto	Up to 300.0kVA	52	
5.17	Ditto	Up to 500.0kVA	66	
Tower mast height				
5.18	Mobile lighting unit 2 light tungsten halogen including 1.5kVA generator	Up to 8.0m	51	
5.19	Ditto, 4 light mercury vapour including 6.25kVA generator	Up to 16.0m	133	
5.20	Ditto, 4 light tungsten halogen including 7.5kVA generator	Up to 20.0m	178	
6	Hoists			
6.01	Goods hoist, cantilever or rope suspended c/w safety devices and limits, bottom gate and landing gates, interlocked. Erected to 9.0m top	Up to 500kg	69	
6.02	Extra over item 6.01 for mast extension including ties and additional landing	Per metre of mast extension	3	
6.03	Goods hoist, rack and pinion c/w safety devices and limits, bottom gate and one landing gate, interlocked. Erected to 50m top landing height	Up to 400kg	89	
6.04	Extra over item 6.03 for mast extension including cable, ties etc. and additional landing gates	Per metre of mast extension	5	
6.05	As item 6.03, single cage	Up to 1500kg	105	
6.06	As item 6.03, twin cage	Up to 1500kg	157	
6.07	Extra over item 6.05 or 6.06 for mast extension including cable, ties etc. and additional landing gates	Per metre of mast extension	5	
6.08	Passenger/goods hoist rack and pinion, c/w base unit, bottom gate and one interlocking landing gate, cable and mast to 60m top landing height. single	Up to 1600kg/20 men	190	
6.09	Ditto, twin cage	Up to 1600kg/20 men	285	
6.10	Extra over item 6.08 or 6.09 for mast extension including cable, ties etc. and additional landing gates	Per metre of mast extension	6	
6.11	Scaffold hoist	Up to 200kg	40	
7	Lifting and jacking gear			
7.01	Shear legs, steel, 5 metres	Up to 1.0 tonne	32	per day
7.02	Pipe gantry	Up to 3.0 tonnes	74	per day
7.03	Chain blocks	Up to 2.0 tonnes	50	per day
7.04	Ditto	Up to 4.5 tonnes	67	per day
7.05	Ditto	Up to 6.5 tonnes	86	per day
7.06	Ditto	Up to 8.0 tonnes	99	per day
7.07	Ditto	Up to 10.0 tonnes	123	per day
7.08	Ditto	Up to 15.0 tonnes	245	per day

7.09	Ditto	Up to 20.0 tonnes	319	per day	
7.10	Hydraulic jack, hand operated	Up to 30.0 tonnes	39	per day	
7.11	Ditto	Up to 60.0 tonnes	60	per day	
7.12	Ditto	Up to 100.0 tonnes	86	per day	
7.13	Ratchet jack	Up to 10.5 tonnes	36	per day	
7.14	Ditto	Up to 21.0 tonnes	55	per day	
7.15	Lifting and pulling machine	Lifting 3000kg	Pulling 5000kg	35	per day
8	Lorries, Vans, etc.	Plated gross vehicle weight			
8.01	Lorry, ordinary, site and public highway use	Up to 6.5 tonnes		260	
8.02	Ditto	Up to 7.5 tonnes		150	
8.03	Ditto	Up to 12.0 tonnes		296	
8.04	Ditto	Up to 14.0 tonnes		296	
8.05	Ditto	Up to 17.0 tonnes		354	
8.06	Ditto	Up to 24.5 tonnes		390	
8.07	Ditto	Up to 30.0 tonnes		426	
8.08	Ditto (articulated)	Up to 33.0 tonnes		491	
8.09	Ditto	Up to 39.0 tonnes		563	
		Maximum Safe Working Load			
8.10	Extra for lorry fitted with crane (jib arm) attachment whether used or not	Up to 3.5 tonnes		24	These rates are applicable to lifting / loading arms including attachments (e.g. grab or other tool), outriggers and, if applicable, operator's seat
8.11	Ditto	Up to 7.5 tonnes		34	
8.12	Ditto	Up to 12.0 tonnes		40	
8.13	Ditto	Up to 17.0 tonnes		51	
8.14	Ditto	Up to 22.0 tonnes		66	
8.15	Lorry, tipper, site and public highway	Up to 11.0 tonnes		296	
8.16	Ditto	Up to 25.0 tonnes		390	
8.17	Ditto	Up to 31.0 tonnes		491	
8.18	Extra for side tipping	Add to above rates		30%	
		Carrying capacity			
8.19	Van, pick up or similar utility vehicle	Up to 1.30 tonnes		130	
8.20	Ditto	Up to 2.60 tonnes		167	
		Wheelbase			
8.21	Passenger/goods vehicle, cross country	Up to 2.40m		130	
8.22	Ditto	Over 2.40m		130	
8.23	Passenger/goods vehicle, station wagon	Up to 7 persons		133	
8.24	Ditto	Up to 12 persons		150	
8.25	Personnel carrier/coach/bus	Up to 9/13 persons		170	
8.26	Ditto	Up to 14/17 persons		200	
		Hopper capacity			
8.27	Road sweeper, cleaner self-propelled	Up to 1.0m ³		200	
8.28	Ditto	Up to 2.0m ³		320	
8.29	Tractor mounted brush (front or rear) non-collector (excluding tractor)			34	

9	Materials Handling	Carrying capacity		
9.01	Trailer, flat, towed, with knock on brakes, site use only	Up to 2.0 tonnes	600	per day
9.02	Ditto	Up to 3.0 tonnes	750	per day
9.03	Ditto	Up to 4.0 tonnes	800	per day
9.04	Tipping trailer, two wheeled, overrun brakes, powered tipping	Up to 4.0 tonnes	900	per day
9.05	Trailer, flat, four wheeled with hydraulic or air brakes	Up to 7.0 tonnes	1200	per day
9.06	Ditto	Up to 10.0 tonnes	1500	per day
9.07	Ditto	Up to 12.0 tonnes	1600	per day
		Maximum lifting capacity forward		
9.08	Fork lift truck, yard type	Up to 1500kg	179	
9.09	Ditto	Up to 2000kg	120	
9.10	Ditto	Up to 2500kg	130	
9.11	Fork lift truck, rough terrain type, two or four wheel drive	Up to 1500kg	95	
9.12	Ditto	Up to 2000kg	120	
9.13	Ditto	Up to 2500kg	131	
9.14	Ditto	Up to 3000kg	146	
9.15	Ditto	Up to 4000kg	213	
9.16	Ditto	Up to 5000kg	277	
9.17	Fork lift truck, rough terrain type, four wheel drive	Up to 7000kg	306	
9.18	Ditto	Up to 8000kg	334	
9.19	Telescopic site handling machine, two wheel drive	Up to 4000kg	160	
9.20	Ditto, four wheel drive	Up to 4000kg	177	
10	Offices, Stores, etc.			
10.01	Prefabricated or timber sectional, offices on site with usual fittings, (i.e. air-conditioning, lighting, desks, tables, plan-chests, chairs) excluding insurance	Per 10m2 floor area	373	per week
10.02	Stores and similar facilities on site with usual fittings (i.e. lighting, counter, desks, tables, forms, lighting, chairs, racks, shelves or bins, etc.) excluding	Per 10m2 floor area	312	per week
10.03	Toilet unit, single chemical type, with consumables (servicing, waste disposal, etc. to be charged in addition)		700	per week
10.04	Toilet unit, single mains flushing type with wash basin and consumables (servicing, waste disposal, etc. to be charged in addition)		700	per week
10.05	Metal container used as tool store, etc.	Up to 13.0m long	103	per day
11	Pipe bending equipment			
11.01	Special purpose pipe winches			Rates to be negotiated
11.02	Pipe bending machine hand operated	Up to 75mm	13	
11.03	Ditto	Up to 150mm	45	

11.04	Ditto power operated	Up to 75mm	35	
11.05	Ditto	Up to 150mm	70	
12	Pumps, portable	Discharge branch dia.	Basic rate per day	Extra per working hour HK\$
12.01	Semi-rotary (hand), exclusive of hoses	Up to 25mm	8	0
12.02	Single diaphragm, ditto	Up to 51mm	76	3
12.03	Ditto	Up to 76mm	96	4
12.04	Ditto	Up to 102mm	102	5
12.05	Double diaphragm, ditto	Up to 51mm	92	4
12.06	Ditto	Up to 76mm	105	5
12.07	Ditto	Up to 102mm	194	10
12.08	Self priming centrifugal, ditto	Up to 38mm	50	3
12.09	Ditto	Up to 51mm	127	6
12.10	Ditto	Up to 76mm	180	10
12.11	Ditto	Up to 102mm	213	11
12.12	Ditto	Up to 152mm	293	15
12.13	Sludge and sewage, ditto	Up to 76mm	250	10
12.14	Ditto	Up to 102mm	320	10
12.15	Ditto	Up to 152mm	450	20
12.16	Ditto	Up to 204mm	560	23
12.17	Sump pneumatic excluding compressor, hoses	Up to 51mm	51	2
12.18	Ditto	Up to 64mm	64	3
12.19	Ditto	Up to 76mm	86	3
12.20	Electric submersible, excluding generator, hoses	Up to 38mm	35	2
12.21	Ditto	Up to 51mm	48	3
12.22	Ditto	Up to 64mm	60	3
12.23	Electric submersible, excluding generator, hoses	Up to 76mm	87	5
12.24	Ditto	Up to 102mm	143	13
13	Pumping Equipment	Diameter		
13.01	Pump hoses, flexible, suction or delivery, including coupling, valve and	Up to 76mm	4	per m/day
13.02	Ditto	Up to 102mm	5	per m/day
13.03	Ditto	Up to 152mm	9	per m/day
13.04	Ditto	Up to 204mm	15	per m/day
13.05	Steel pipe suction or delivery including flanges bolts and joint rings; excluding valve and strainer	Up to 76mm	3	per m/day
13.06	Ditto	Up to 152mm	4	per m/day
13.07	Ditto	Up to 204mm	7	per m/day
13.08	Extra for bend or valve - each to be charged as 10.0 metre length			
13.09	Steel pipe suction or delivery, screwed and socketed joints, excluding valve and strainer	Up to 102mm	2	per m/day

13.10	Ditto	Up to 152mm	3	per m/day
13.11	Extra for bend or valve - each to be charged as 5.0 metre length			
14	Saws mechanical	Guide bar length		
14.01	Chain saw, including heavy duty protective clothing	Up to 410mm	35	
14.02	Ditto	Up to 650mm	48	
14.03	Chain saw, including heavy duty protective clothing	Up to 800mm	55	
14.04	Ditto	Up to 1300mm	62	
14.05	Portable saw bench	Up to 410mm	35	
14.06	Ditto	Up to 610mm	42	
14.07	Ditto	Up to 660mm	48	
14.08	Ditto	Up to 760mm	52	
14.09	Band saw		35	
15	Scaffolding			
15.01	Tubular steel including all plates, brackets, tyres, couplers and boards	51mm dia. (nom), per 3m length	6	per week
15.02	Alloy ditto	Ditto	7	per week
15.03	Putlog, steel, 1.52m long (nom)		8	per week
15.04	Ditto 1.83m long (nom)		10	per week
15.05	Putlog, alloy, 1.52m long (nom)		8	per week
15.06	Ditto 1.83m long (nom)		7	per week
15.07	Prefabricated scaffold frames owned by the contractor. Rates to be based on those chargeable by Proprietary firms			
15.08	Double line bamboo scaffolding	Per 10m ²	8	per week; rate excludes erection and dismantling
16	Shoring, planking and strutting			Rates exclude nails, dogs, wedges, etc. these to be charged as
16.01	Baulk timber, use and waste		35	per m ³ /day
16.02	Timber for planking and strutting, use and waste		50	per m ³ /day
16.03	Adjustable steel strut - extending	Extended length up to	8	per week
17	Shuttering			
17.01	Steel shutters all types. Rates to be based on those chargeable by Proprietary firms (wedges keys and consumables to be added)			
17.02	Steel road forms, per 10 metre length	Up to 203mm	8	
17.03	Ditto, heavy section, with rail	203mm	16	
17.04	Ditto	Up to 305mm	27	

17.05	Telescopic floor centre extending lattice girder type	Span up to 2.76m	16	per week
17.06	Ditto	Span up to 5.56m	23	per week
17.07	Telescopic steel prop extending	Height up to 3.96m	11	per week
17.08	Column shutter clamps extending, per	Up to 1.22m	13	per week
17.09	Beam shutter clamps clamping width 114mm to 850mm; per set	Up to 610mm arm	13	per week
17.10	Wall shutter clamps, concrete thickness up to 915mm; per set		11	per week
17.11	Timber, used for shuttering. Rough, minimum charge 10 days (excluding wedges nails, screws, bolts, etc. these to be charged as consumables)		83	per m3 day
17.12	Timber, used for shuttering. Wrought, minimum charge 10 days (excluding wedges, nails, screws, bolts, etc. these to be charged as consumables)		117	per m3 day
17.13	Plywood sheeting (excluding timber or steel supports - these to be charged in addition, or wedges, nails, screws, bolts, etc. these to be charged as	Thickness up to 25mm	13	per 3m2/day
17.14	Ditto, plastic faced, ditto	Up to 19mm	20	per 3m2/day
18	Surveying Instruments			
18.01	Dumpy level with tripod and staff		28	per day
		Standard deviation		
18.02	Auto level with tripod and staff	2.5mm/km	40	per day
18.03	Engineer's precise auto level with tripod and staff	2.0mm/km	47	per day
18.04	Ditto with parallel plate	1.0mm/km	84	per day
18.05	Digital theodolite	20 seconds	117	per day
18.06	Ditto	6 seconds	155	per day
18.07	Ditto	1 second	253	per day
18.08	Ranging rod or pole		3	per day
18.09	Rates for laser levelling or distance measuring instruments to be based on those charged by Proprietary firms			
19	Tools Pneumatic			
	(excluding compressors but including, where appropriate, up to 15m of hose)			Unless stated to the contrary, rates exclude consumables
19.01	Breaker, including steels		35	
19.02	Light pneumatic pick including steels		20	
19.03	Pneumatic clay spade including blade		20	
19.04	Chipping, sealing or caulking hammer		2	
19.05	Hand held rock drill	Up to 32kg	55	
19.06	Extra for silencer tool or muffler		2	
19.07	Extra for additional hoses		2	per 15m
19.08	Drill	Up to 13mm chuck	4	

19.09	Reversible drill	Up to 13mm chuck	4	
19.10	Grinder	Up to 117mm dia.	3	
19.11	Sander		4	
19.12	Riveting hammer		3	
19.13	Pneumatic paint scraper tool		3	
19.14	Polisher		3	
20	Tools, portable, electric (excluding generator or power)			Unless stated to the contrary, rates for portable tools exclude
20.01	Drill with stand	Up to 13mm dia	3	
20.02	Ditto	Up to 32mm dia	5	
20.03	Extra over items 20.01 and 20.02 for magnetic stand		5	
20.04	Bench grinder and pedestal	Up to 204mm dia	4	
20.05	Ditto	Up to 250mm dia	21	
20.06	Angle grinder	Up to 230mm dia	3	
20.07	Straight grinder	Up to 152mm dia	5	
20.08	Sander	Up to 230mm dia	5	
20.09	Polisher/sander		4	
20.10	Electric demolition hammer	Up to 51mm dia	11	
20.11	Portable electric saw (circular)	Up to 250mm dia	4	
20.12	Extra over items 20.01 to 20.11 for power (where applicable)	Add to above rates	50%	
21	Water and Fuel Supply			
21.01	Water or fuel storage tank, exclusive of supporting structure	Up to 2280 litres	50	per day
21.02	Ditto	Up to 4550 litres	100	per day
21.03	Ditto	Up to 9100 litres	200	per day
21.04	Water or fuel storage tank trailer (rubber tyred)	Up to 1140 litres	1100	per day
21.05	Ditto	Up to 2280 litres	2250	per day
21.06	Water or fuel tanker, mobile, self	Up to 4550 litres	2000	
21.07	Ditto	Up to 6820 litres	150	
22	Welding and cutting sets			
22.01	Oxy-acetylene welding and cutting set (inclusive of oxygen and acetylene) (excluding underwater equipment)		151	
22.02	Welding set (diesel), (excluding electrodes - these to be charged in	150 amp, single operator	34	
22.03	Welding set (diesel), (excluding electrodes - these to be charged in	300 amp, single operator	66	
22.04	Ditto	480 amp, double	102	
22.05	Ditto, transformer electric	150 amp, single	24	

22.06	Ditto, ditto	300 amp, single	50	
22.07	Head screen		7	per day
22.08	Helmet		7	per day
22.09	Standard kit; set comprising Heat shield, 20 metres x 2 cable, Earth clamp, Electrode holder, Chipping hammer. Wire brush. Apron and Gloves		100	per day
23	Winches	Line pull tonnes		Special rope requirements to be charged extra
23.01	Double drum diesel friction winch	Up to 1.00 tonne	92	
23.02	Ditto	Up to 3.00 tonnes	114	
23.03	Ditto	Up to 4.00 tonnes	146	
23.04	Single drum diesel hydraulic	Up to 10.00 tonnes	441	
23.05	Ditto	Up to 15.00 tonnes	632	
23.06	Single drum, electric	Up to 1.00 tonne	31	
23.07	Ditto	Up to 2.00 tonnes	76	
23.08	Ditto	Up to 3.00 tonnes	99	
23.09	Ditto	Up to 5.00 tonnes	134	
23.10	Ditto	Up to 10.00 tonnes	220	
23.11	Ditto	Up to 15.00 tonnes	295	
23.12	Hand operated	Up to 5.00 tonnes	9	
23.13	Ditto, mounted on lorry, powered by lorry battery	Up to 2.00 tonnes	21	
23.14	Air powered (excluding supply of compressed air)	Up to 2.00 tonnes	27	
23.15	Ditto	Up to 4.00 tonnes	67	
23.16	Ditto	Up to 5.00 tonnes	111	
24	Miscellaneous plant and consumable stores			
24.01	Air testing machine for drains		13	per day
24.02	Fencing, timber split pale	Per m length	2	per day
24.03	Fencing, metal or timber post with timber or plastic rail, or similar	Per m length	2	per m/day
24.04	LPG for tar boiler		24	Per day
24.05	Road barrier, lightweight, timber or metal hurdle-type	Up to 3.1m long	5	per day
24.06	Tarpaulin		2	per m ² /day
24.07	Tilley lamp (flood), including LPG		27	per night
24.08	Traffic signals, 2 way, excluding generator but including mains power		1287	per week
24.09	Watchman's lamp, including paraffin and attendance		12	per night
24.10	Watchman's hut, one-seater type		231	per week
		BTU/hour		
24.11	Space heater (paraffin/electric)	Up to 30000	9	
24.12	Ditto	Up to 63000	16	
24.13	Ditto	Up to 100000	24	
24.14	Ditto	Up to 150000	31	
24.15	Ditto	Up to 240000	46	
24.16	Ditto	Up to 325000	58	

24.17	Extra for space heater using LPG in lieu of paraffin	Add to the above rates	10%	
		Blade dia		
24.18	Brickwork and masonry saw (excluding abrasive discs; these to be charged in addition)	Up to 457mm	23	
24.19	Crossing plates (steel)	20mm thick	2	per m2/day
24.20	Flashing traffic warning lamp unit including batteries		20	per day
24.21	Flashing traffic warning lamp unit including batteries bollard or tripod		22	per day
24.22	Vehicle mounted illuminated directional arrow, up to 1.75m2 in area, pivoting, complete with control boxes and fitments (excludes vehicle)		99	per day
24.23	Trailer mounted ditto (ditto)		264	per day
24.24	Drainage rods and accessories, per 10m. length set	Up to 152mm dia	8	per day
24.25	Ditto per extra rod	91m length	2	per day
24.26	Drain stopper (expanding)	Up to 152mm dia	2	per day
24.27	Ditto	Up to 305mm dia	4	per day
24.28	Ditto	Up to 457mm dia	9	per day
24.29	Ditto	Up to 610mm dia	15	per day
24.30	Ditto	Up to 762mm dia	27	per day
24.31	Ditto	Up to 914mm dia	50	per day
24.32	Ditto	Up to 1220mm dia	84	per day
		Water extraction rate per 24 hours		
24.33	Dehumidifier	Up to 68 litres	63	per day
24.34	Ditto	Up to 91 litres	88	per day
24.35	Ditto	Up to 160 litres	170	per day
24.36	Ditto, with temperature controls	Up to 160 litres	206	per day
24.37	Ladders, all types and lengths			Rates to be negotiated
24.38	Traffic warning cone plastic	Up to 600mm	3	per day
24.39	Ditto	Up to 1000mm	4	per day
24.40	Traffic warning signs circular	Up to 1200mm dia	12	per day
24.41	Traffic warning signs triangular	Up to 1200mm height	12	per day
24.42	Traffic warning board	1050mm x 750mm	9	per day
24.43	Paint spraying machine 1 gun type with 7.5m lengths of air and fluid hose and 10.0 litre pressure tank (excluding compressor). nower driven. electric or		8	
24.44	Paint spraying machine 1 gun type with 7.5m lengths of air and fluid hose and 10.0 litre pressure tank (excluding		35	
24.45	Paint spraying machine 2 gun type with 15m lengths of air and fluid hose and 25 litre pressure tank (excluding		12	

24.46	Ditto, power driven, electric, petrol or diesel	48	
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SECTION: 05
EQUIPMENT: PAVING

Item No.	Description	Nominal size or capacity	Rate (HK\$)	Remarks
SECTION: 05				
EQUIPMENT: PAVING				
Note: Indicated hire rates are per unit machine hour, unless otherwise stated.				
1	Asphalt Equipment			
1.01	Asphalt and/or coated macadam spreader crawler or wheeled	Up to 37kW	245	
1.02	Ditto	Up to 56kW	559	
1.03	Ditto	Up to 82kW	811	
1.04	Ditto	Up to 150kW	1457	
1.05	Extra for use of items 1.1 to 1.4 with dry lean concrete	Add to above rates	65%	
1.06	Joint matcher, separately or in conjunction with longitudinal beams (extra over machine)		34	
1.07	Joint matcher with addition of transverse control devices or fully automatic equipment capable of control from reference guides (extra over	Up to 150kW	50	
1.08	Self-propelled, metered coated chipping applicator including trailer	Up to 4.0m width	427	
1.09	Ditto	Up to 4.5m width	468	
1.10	Heat planer	Up to 2.5m width	3402	
1.11	Cold planer (including picks)	Up to 0.5m width	752	
1.12	Ditto	Up to 1.0m width	1104	
1.13	Ditto	Up to 2.25m width	2333	
1.14	Asphalt road burner (portable)		87	
1.15	Ditto (self-propelled)		1238	
2	Tar spraying and cold emulsion plant	litres		
2.01	Tar boiler and sprayer (including firing) hand operated	Up to 700	35	
2.02	Ditto, power operated	Up to 1200	56	
2.03	Gritter (attached to lorry) extra over		16	
2.04	Gritter (towed hopper type) extra over		31	
		litres		
2.05	Cold emulsion sprayer hand operated	Up to 205	13	
2.06	Ditto, power operated	Up to 700	25	

SECTION: 06

EQUIPMENT: GROUND INVESTIGATION

Item No.	Description	Nominal size or capacity	Rate (HK\$)	Remarks
SECTION: 06				
EQUIPMENT: GROUND INVESTIGATION				
Note: Indicated hire rates are per unit machine hour, unless otherwise stated.				
1	Drilling rigs	Hole depth		
1.01	Rotary rig with equipment for drilling hole up to 200 mm dia up to 60m depth vertically in soils, rock, boulders, cobbles or gravels.	Up to 60m vertically	402	Rate excludes grouting equipment, and sample containers, rock coring consumables, shoes and other consumables
1.02	Hydraulic crawler drilling rig including drill rods for holes up to 300mm dia.	Up to 50m	800	Rate excludes drilling hammers, air compressor, grouting equipment, welding set and other
1.03	Ditto including for holes up to 50mm dia.	Up to 20m	523	Rate includes drilling hammers, but excludes air compressor, grouting equipment, welding set
1.04	Drilling hammers			Rates to be negotiated

SECTION: 07

EQUIPMENT: CCTV INSPECTION AND MAINTENANCE OF DRAINS AND SEWERS

Item No.	Description	Nominal size or	Rate	Remarks
SECTION: 07				
EQUIPMENT: CCTV INSPECTION AND MAINTENANCE OF DRAINS AND SEWERS				
Note: Indicated hire rates are per unit machine hour, unless otherwise stated.				
1	Cameras			
1.01	50mm dia monochrome camera with illumination from red light emitting diode (LED) mounted on skids for 100mm or 150mm drains		35	
1.02	50mm dia colour camera with illumination from white light emitting		64	
1.03	50mm colour auto-upright camera ditto		75	
2	Cables and Reels			
2.01	30m soft cable with socket at one end for connection to monitor and mounting for camera at other end; for use with interlocking drain rod		19	
2.02	60m ditto on reel ditto		34	
2.03	80m rigid but bendable drain rod with integral signal conductors; with socket at one end for connection to monitor and mounting for camera at other end; mounted on reel and frame		94	
3	Monitors			
3.01	225mm monochrome monitor with mains adaptor and video recorder (VCR)		122	
3.02	250mm colour ditto		150	
3.03	250mm colour monitor with mains adaptor and digital image storage		186	
4	Accessories			
4.01	On-screen meterage unit for CS106		24	
4.02	Text writer to overlay text on video		21	
4.03	Radio drain location system including transmitter for fitting to drain rod		28	

4.04	Video recorder with case		23	
4.05	Inverter to convert 12 volt vehicle power supply to 230 volt AC supply		9	
5	Mobile unit			
5.01	Variable speed 4 wheel drive crawler, suitable for camera mounting, complete with 3 sets of composite wheels for 150mm, 225 and 300mm drain inspection and a set of pneumatic wheels for pipes of up to 1000mm dia. Rate includes 200m of cable and a		366	
6	Comprehensive Services			
6.01	Purpose-fitted van including office and client seating, and all necessary CCTV equipment for pipe inspections from 50mm upwards with cameras, monitor, computer, printer, cable reel and accessories. Rates to include electricity generator, trained and certified operating crew and post-survey report preparation			Rates to be negotiated
6.02	Purpose-fitted van including water jetting equipment for pipes up to 300mm dia, and trained and certified			Rates to be negotiated

SECTION: 08

EQUIPMENT: MARINE

Item No.	Description	Nominal size or	Rate	Remarks
SECTION: 08				
EQUIPMENT: MARINE				
Note: Indicated hire rates are per unit machine hour, unless otherwise stated.				
	Rates indicated are for vessels licensed to operate in Class I and II			
1	Tugs	Licensed engine		
1.01	Tug	Up to 200hp or 149.1kw	454	
1.02	Ditto	Up to 300hp or 223.7kw	653	
1.03	Ditto	Up to 350hp or 261.0kw	758	
1.04	Ditto	Up to 450hp or 335.6kw	868	
1.05	Ditto	Up to 500hp or 372.9kw	1016	
1.06	Ditto	Up to 750hp or 559.3kw	2000	
1.07	Ditto	Up to 900hp or 671.1kw	2100	
1.08	Ditto	Up to 1100hp or	2200	
1.09	Ditto	Up to 1200hp or	2300	
2	Launches	Licensed capacity		
2.01	Passenger launch	Up to 10 persons	265	
2.02	Ditto	Up to 20 persons	350	
2.03	Ditto	Up to 30 persons	570	
2.04	Ditto	Up to 40 persons	725	
3	Pontoons	Nominal size		
3.01	Flat top pontoon (c/w motorized anchor winches, anchor chains and anchors)	24.4m x 12.2m	1100	
3.02	Ditto	30.5m x 12.2m	1200	
3.03	Ditto	45.8m x 15.3m	1300	
4	Derrick Lighters	Nett registered tonnage		
	(complete with motorized winches and anchoring system), carriage of construction materials only			
4.01	Derrick lighter	Up to 410 tonne	395	
4.02	Ditto	Up to 610 tonne	433	
4.03	Ditto	Up to 1020 tonne	1500	
4.04	Ditto	Up to 1220 tonne		Rates to be negotiated
4.05	Ditto	Up to 1425 tonne		
4.06	Ditto	Up to 1525 tonne		
4.07	Ditto	Up to 1730 tonne		
4.08	Ditto	Up to 2035 tonne		
4.09	Ditto	Up to 2240 tonne		
4.10	Ditto	Up to 2540 tonne		

4.11	Ditto	Up to 2745 tonne		
4.12	Ditto	Up to 3355 tonne		
4.13	Extra over items 4.01 to 4.12 for carriage of dry goods	Add to above rates		
		Lift deadweight		
4.14	Extra for heavy lifting	Up to 20.4 tonne	31	per lift
4.15	Ditto	Up to 40.7 tonne	62	per lift
4.16	Ditto	Up to 71.2 tonne	75	per lift
4.17	Ditto	Up to 101.6 tonne	88	per lift
5	Grab Dredgers	Grab capacity		
5.01	Grab dredger, for single grab operation, including carrying pontoon and bucket, motorized anchor winches, anchor lines and anchor	Up to 2.0m ³	1065	
5.02	Ditto	Up to 3.0m ³	1181	
5.03	Ditto	Up to 4.0m ³	1383	
5.04	Ditto	Up to 5.0m ³	1595	
5.05	Ditto	Up to 6.0m ³	1694	
5.06	Ditto	Up to 8.0m ³	2169	
5.07	Ditto	Up to 13.0m ³	7118	
5.08	Ditto	Up to 16.0m ³	11017	
6	Hopper barges	Hopper capacity		
6.01	Hopper barge (complete with motorized winches)	Up to 200m ³	338	
6.02	Ditto	Up to 300m ³	556	
6.03	Ditto	Up to 400m ³	658	
6.04	Ditto	Up to 500m ³	765	
6.05	Ditto	Up to 600m ³	860	
6.06	Ditto	Up to 700m ³	941	
6.07	Ditto	Up to 800m ³	1016	
6.08	Ditto	Up to 1000m ³	1085	
6.09	Ditto	Up to 1450m ³	1520	
7	Split barges	Capacity		
7.01	Split barge (complete with operating mechanism)	Up to 300m ³	596	
7.02	Ditto	Up to 800m ³	811	
7.03	Ditto	Up to 1000m ³	1221	
7.04	Ditto	Up to 1500m ³	1671	
8	Suction cutterhead dredgers	Pipe discharge		
8.01	Suction cutterhead dredger	Up to 300mm	1573	
8.02	Ditto	Up to 450mm	2305	
8.03	Ditto	Up to 600mm	2916	
		Pipeline dia		
8.04	Extra for pipeline with floats, per 100	Up to 300mm	62	
8.05	Ditto	Up to 450mm	99	

8.06	Ditto	Up to 600mm	142	
9	Diver's Support Equipment			
9.01	Diving equipment, underwater cutting gear, etc.			Rates to be negotiated
		Number of divers sustained		
9.02	Diver's support boat, equipped with air compressors and safety equipment	1	326	
9.03	Ditto	2	401	
9.04	Ditto	4	543	
9.05	Decompression chamber (twin lock)	Suitable for up to 6	237	
10	Vessels licensed to operate in Class III or Class IV waters			
10.01	Extra over for vessels licensed to operate in Class III and/or Class IV			Rates to be negotiated