CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS

INTRODUCTION

- (a) The following Sections are amendments and supplements to the above 2013 edition of Schedule of Rates for Term Contracts for Building Works (hereinafter referred as "SOR2013") published by the Architectural Services Department. The Corrigendum of these Sections shall be read and used in conjunction with the SOR2013.
- (b) In the event of doubt or discrepancy between individual items and/or rates included in SOR2013 and this Corrigendum, this Corrigendum shall prevail. Upon any ambiguities or uncertainties, the Maintenance Surveyor shall be informed, who shall decide the items and/or rates to be used for the works.

SECTION 00 - GENERAL REGULATIONS

GENERAL REGULATIONS

Rates for items not specifically mentioned in this Schedule

- GR.11 (i) Replace the word "Percentage" with "Percentages" in sub-clauses (a) and (c).
 - (ii) Replace the words "Such star rate shall not be subject to relevant Contract Percentage adjustment." with "Such star rate shall not be subject to relevant Contract Percentages adjustment unless otherwise specifically stated." in sub-clause (b).

SECTION 07 - ROOFING AND WATERPROOFING

PROPRIETARY ROOFING SYSTEM AND FLOOR WATERPROOFING SYSTEM

Item 07137 is deleted Item 07149 is added

SECTION 16 - REPAIRS AND ALTERATION TO SPECIALTY WORKS

REPAIRS TO PROPRIETARY ROOFING SYSTEM OR FLOOR WATERPROOFING SYSTEM

Item 16009 is deleted Item 16044 is added

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE - BUILDER'S WORKS (CONT'D)

SECTION 19 - RECREATIONAL / SPORTS SURFACING AND PROTECTIVE PADDING

SPECIAL CONDITIONS

The following Clause is deleted:

SC19.06 Rates for self-levelling semi-flexible screed

Rates for recreational surfaces coating system

- SC19.07 Replace sub-clause (a) with the following:
 - (a) All preparation work to existing surfaces as recommended by the manufacturer, including repairing cracks, applying floor bonding / binding agent and preparing the surfaces for application of the self-levelling and smoothing screed when required.

The following sub-clauses (k) and (l) are added:

- (k) Proprietary recreational surface coating system referred hereinafter shall mean the surface coating system approved by the Maintenance Surveyor.
- (1) For avoidance of doubt, all rates in this sub-section shall deem to apply to works executed by the specialist contractors or applicators approved by the Maintenance Surveyor.

The following Clause is added:

Rates for proprietary self-levelling and smoothing screed

- SC19.09 The rates for self-levelling and smoothing screed shall further include for: -
 - (a) Supply and laying screed compatible to the proprietary recreational surface coating system to be applied and in accordance with manufacturer's instruction.
 - (b) Working into channels and recessed covers and working around pipes, metal sections and the like.
 - (c) Laying or executing work in bays or between strips, circular or pattern.
 - (d) All temporary formwork or rules.
 - (e) All joints between different types of materials and joints between new and existing surfaces including wire netting as G.S. Item 18.14.
 - (f) Covering up and protecting where necessary.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

(g) Provision of literature, test certificates, reports, maintenance manuals, manufacturer's guarantee and supplier's / applicator's warranty.

TREATMENT TO EXISTING / NEW SUBSTRATES FOR RECREATIONAL SURFACE COATING SYSTEM

Item 19052 is deleted Item 19077 is added

RECREATIONAL SURFACE COATING SYSTEM

Items 19053 to 19076 are deleted Items 19078 to 19087 are added

SECTION 20 – FIXTURES AND FITTINGS

SPECIAL CONDITIONS

Rates for sanitary fittings and parts of sanitary fittings generally

SC20.20 Replace sub-clause (a) with the following:

Supply and installation of the sanitary fittings in any size (unless specifically stated otherwise) and in white or any standard colours, all in accordance with the manufacturer's recommendations.

Clause SC20.21 is replaced by the following:

Rates for taps, cocks, mixers and urinal flush valves

- SC20.21 The rates for taps, cocks, mixers and urinal flush valves shall further include for:-
 - (a) Supply and installation of fittings in brass, chromium plated brass and other materials of the like.
 - (b) Different diameter of fittings, unless otherwise specifically stated.
 - (c) Furthermore where taps, cocks, mixers and urinal flush valves are electronic operated and fitted with electronic infra-red sensor devices, the rates shall further include for fittings that have been registered with and certified by WSD under the Water Efficiency Labelling Scheme (WELS) as having the specified water efficiency grade (either Grade 1, 2, 3 or 4).

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE - BUILDER'S WORKS (CONT'D)

SANITARY FITTINGS

SINKS

Item 20210 is deleted Item 20385 is added

SELF-CLOSING TAPS, COCKS AND MIXERS WITH TIME-DELAY CLOSING ACTION

Items 20225 to 20231 are deleted Items 20386 to 20393 are added

ELECTRONIC OPERATED TAPS, COCKS AND MIXERS

The sub-heading of items 20235 - 20242 is replaced with the following:

Electronic operated taps, cocks or mixers with adjustable self closing timing devices, electronic infra-red sensor devices, powered by transformer or battery operated complete with control box, angle stop cocks with built-in filter and check valve, fittings and fixing accessories, and including certification under the WSD Water Efficiency Labelling Scheme (WELS) as Grade 1, 2, 3 or 4 type:-

PARTS OF SANITARY FITTINGS

URINAL FITTINGS AND ACCESSORIES

Items 20280 to 20282 are deleted Items 20394 to 20396 are added

SHOWER FITTINGS

Items 20307 to 20308 are deleted Items 20397 to 20399 are added

SECTION 22 – LANDSCAPE WORK

SPECIAL CONDITIONS

The first sub-clause of Clause SC22.01 is replaced by the following:

Specification

SC22.01 Further to General Regulations Clause GR.01, this Section shall generally be read and used in conjunction with the Specification relating to landscape work and new planting works adopted in the Contract.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

Clause SC22.02 is replaced by the following:

Measurement of clearing and removing from Site rubbish, litter, etc.

SC22.02 Clearing, cutting down and removing from Site rubbish, litter, construction debris, stones, grass, weed, vines, shrubs, undergrowth, etc. and the like including trees not exceeding 95 mm DBH shall be measured based on the overall surface area covered; and no allowance shall be made for surface irregularities or other local peculiarities.

No deduction shall be made for any area not exceeding $1.00m^2$.

The items for clearing, cutting down and removing from Site rubbish, litter, construction debris, stones, grass, weed, vines, shrubs, undergrowth, etc. and the like including trees not exceeding 95 mm DBH shall not be paid for if such work is carried out in conjunction with the excavation works, or if excavation is subsequently carried out by the Contractor at the same location.

Clause SC22.03 is replaced by the following:

Rates for clearing and removing from Site rubbish, litter, etc.

SC22.03 The rates for clearing, cutting down and removing from Site rubbish, litter, construction debris, stones, grass, weed, vines, shrubs, clearing and undergrowth, etc. and the like including trees not exceeding 95 mm DBH shall include for cutting the same down to below 25 mm of the level of the ground or sloping ground and, if required, grubbing out all roots and stumps and filling voids with approved materials.

Clause SC22.05 is replaced by the following:

Rates for supplying, taking delivery, spreading and levelling or mixing decomposite granite, manufactured soil conditioner, sand, mulch, pine bark mulch, peat moss, alginate, soil stablizer, stone chips and water absorbing soil additive

SC22.05 The rates for supplying, taking delivery, spreading, levelling or mixing the decomposite granite, manufactured soil conditioner, sand, mulch, pine bark mulch, peat moss, alginate, soil stablizer, stone chips and water absorbing soil additive shall include for supplying, loading, and/or transporting from any locations as directed; unloading, spreading the mulch or pine bark mulch evenly on the surface of the soil to the specified depth; or mixing the decomposite granite, manufactured soil conditioner, sand, peat moss, alginate, soil stablizer, stone chips, water absorbing soil additive into the soil to a specified depth and/or at a specified rate; submission of material samples as specified; and testing of sample by an approved laboratory and provision of Certificates of Analysis of the material where necessary.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

Clause SC22.06 is replaced by the following:

Rates for supplying, delivering, spreading and levelling drainage aggregate, lightweight aggregate, pea gravel and gravel, laying and protecting filter layer

SC22.06 The rates for supplying, delivering, spreading and levelling drainage aggregate, lightweight aggregate, pea gravel and gravel, laying and protecting filter layer shall include for supplying, loading, and/or transporting from any locations as directed, unloading; spreading and levelling drainage aggregate or lightweight aggregate to specified depth; laying filter layer and all necessary protection; and submission of material samples as specified.

Rates for underground guying system

SC22.08 The following sub-clause is added:

The rates for underground guying systems shall also include for submission of samples and particulars of all the necessary materials of the system for the Maintenance Surveyor's approval prior to importation and use on site.

Rates for ornamental boulders

- SC22.10 Replace sub-clause (b) with the following:
 - (b) Sourcing of the ornamental boulders per specified type and size, and provision of samples if required.

Clause SC22.18 is replaced by the following:

Rates for landscape softworks generally

- SC22.18 Replace sub-clause (a) with the following:
 - (a) Works executed by the contractor on the List of Approved Suppliers of Materials and Specialist Contractors for Public Works for the appropriate Group of the appropriate Class under the Landscaping category.

Rates for supplying of plant materials

SC22.19 The following sub-clause is added:

The rates for supply of plant materials shall also include for provision of samples and annotated photographs of the specified species of plant materials.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

Rates for landscape softworks - planting items

- SC22.20 Replace sub-clauses (a), (b) and (d) with the following:
 - (a) Provision and application of pre-planting fertilizer to fabricated soil mix or top soil or light weight soil mix as specified.
 - (b) Setting-out and excavating planting pits for root balls, placing the plant in the pit, backfilling with fabricated soil mix or top soil or light weight soil mix.
 - (d) Provision and application of follow-up fertilizer and insect and disease control treatment, thorough watering and all necessary operations as specified for satisfactory completion of planting works.

Rates for fabricated soil mix

- SC22.22 Replace sub-clauses (a) and (c) with the following:
 - (a) Testing of samples by an approved laboratory and provision of Certificates of Analysis of the fabricated soil mix.
 - (c) Replacement of fabricated soil mix which is not conforming to the Specification.

Clause SC22.23 is replaced by the following:

Rates for top soil

- SC22.23 Further to Special Conditions Clause SC22.21, the rates for top soil shall further include for:-
 - (a) Testing of samples by an approved laboratory and provision of Certificates of Analysis of the top soil.
 - (b) Protection and storage of top soil.
 - (c) Replacement of top soil which is not conforming to the Specification.

Clause SC22.24 is replaced by the following:

Rates for pots / containers

SC22.24 The rates for pots / containers shall include provision of samples if required, supplying, loading, transporting, unloading, placing in positions as directed, and removing from the Site if required the pots / containers including the associated trays.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

Clause SC22.25 is replaced by the following:

Rates for ornamental plants other than Orchidaceae

- SC22.25 The rates for ornamental plants other than the Orchidaceae family shall include for:-
 - (a) Supplying pots / containers with trays of different materials, in variety of shapes, colours and finishes, and in different size categories, and provision of samples of pots / containers if required.
 - (b) Provision of samples of the specified plant species if required.
 - (c) Supplying, delivering and placing the plants with appropriate planting medium in pots / containers at locations as directed.
 - (d) Removing the plants in pots / containers from the Site if required.

Clause SC22.26 is replaced by the following:

Rates for ornamental plants - Orchidaceae

- SC22.26 The rates for ornamental plants from the Orchidaceae family shall include for:-
 - (a) Supplying pots / containers with trays of different materials, in variety of shapes, colours sand finishes, and in different size categories, and provision of samples of pots / containers if required.
 - (b) Provision of samples of the specified plant species if required.
 - (c) Supplying, delivering and placing the plants with appropriate planting medium in pots / containers at locations as directed.
 - (d) Removing the plants in pots / containers from the Site if required.

Clause SC22.27 is replaced by the following:

Rates for artificial plants

- SC22.27 The rates for artificial plants shall include for:-
 - (a) Supplying pots / containers with trays of different materials, in variety of shapes, colours sand finishes, and in different size categories, and provision of samples of pots / containers if required.
 - (b) Provision of samples of the specified plant species if required.
 - (c) Supplying, delivering and placing the plants in pots / containers at locations as directed.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

(d) Removing the plants in pots / containers from the Site if required.

Rates for hydroseeding

- SC22.29 The following sub-clauses (l), (m) and (n) are added:
 - (l) Mobilization and demobilization of all plant and equipment necessary for the works.
 - (m) Carrying out survey and checking the existing conditions before applications.
 - (n) Provision of all necessary working platform.

Rates for hydro-mulching

- SC22.30 Replace sub-clauses (b), (e) and (h) with the following:
 - (b) Checking and carrying out survey of existing conditions and protection of prepared ground surfaces before application.
 - (e) Submission of samples of materials to be used and particulars including manufacturer's catalogue and literature.
 - (h) All necessary materials, equipment and operations for satisfactory germination and completion grass areas as specified.

Rates for turfing and sprigging

- SC22.31 Replace sub-clause (1) with the following:
 - (1) All necessary materials, equipment and operations for satisfactory germination and completion grass areas as specified.

Rates for transplanting trees

- SC22.33 Replace sub-clauses (a), (d), (e), (h), (i) and (k) with the following:
 - (a) Submission of method statement and programme for transplanting to the Maintenance Surveyor and obtaining his approval prior to commencement of any operations related to transplanting.
 - (d) Excavating trenches for root ball preparation, root pruning to achieve the required size of root ball, maintenance of the root ball during the period of root ball preparation, and undercutting the root ball prior to lifting for transplanting.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

- (e) Protecting the root ball by wrapping the root ball and encasing the root ball if required by materials proposed in the approved method statement, spraying with approved anti-transpiration spray if required, and keeping the whole plant moist at all time.
- (h) Provision of tree lifting, transporting of the tree from the donor site to the receptor site, provision of temporary storage of the tree at holding nursery if required, planting of the tree at the receptor site including backfilling of the tree pit, watering, mulching and all other necessary operations as specified for satisfactory completion of planting works.
- (i) Provision of supporting measures at donor site during root ball preparation prior to lifting for transplanting and at receptor site after transplanting.
- (k) Backfilling voids and making good disturbed surface at donor site.

The following sub-clause (l) is added:

(1) Provision of a complete set of date-imprinted photographic records for each stage of the whole transplanting process.

Clause SC22.39 is replaced by the following:

Rates for Establishment Works

- SC22.39 The rates for Establishment Works generally shall include for the following for the operations as specified and ordered:-
 - (a) All necessary site inspections to identify the need for the implementation of the operations concerned.
 - (b) Supply, loading, transportation, unloading, storage, multi-handling, and disposal of surplus of all the necessary materials.
 - (c) Provision of samples, testing of samples by an approved laboratory, and provision of Certificates of Analysis of the materials if required.
 - (d) Provision of method statements if required.
 - (e) Implementation of the operations concerned.
 - (f) Maintenance and provision of the records of the operations concerned upon completion.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

The following Clauses are added:

Rates for supplying, delivering, spreading and levelling natural round river-washed pebbles and natural pea gravel

SC22.45 The rates for supplying, delivering, spreading and levelling natural round river-washed pebbles and natural pea gravel shall include for supplying, loading, and/or transporting from any locations as directed, unloading; spreading and levelling natural round river-washed pebbles and natural pea gravel to specified depth; and submission of material samples as specified.

Rates for supplying, delivering and installing bamboo protective fencing and plastic lattices

SC22.46 The rates for supplying, delivering and installing bamboo protective fencing and plastic lattices shall include for supplying, loading, and/or transporting from any locations as directed, unloading, excavating, multi-handling, levelling, grading, fabricating and fixing the fences and lattices with all necessary materials as specified in the required location; fixing and adjusting; and submission of material samples as specified.

Rates for supplying, delivering, laying and installing root barrier

SC22.47 The rates for supplying, delivering, laying and installing root barrier shall include for supplying, loading, and/or transporting from any locations as directed, unloading, levelling and installing root barriers as specified in the required location; and submission of material samples as specified.

Rates for supplying plant labels

SC22.48 The rates for supplying plant labels shall include for supplying and delivering the plant labels as specified and provision of material samples if required.

Rates for fixing plant labels

SC22.49 The rates for fixing plant labels shall include for mounting and installing plant labels with appropriate mounting devices as specified in the required location, and regularly inspecting, adjusting, reinstating and replacing the plant labels.

Rates for supplying of climbers

SC22.50 The rates for supplying of climbers shall also include for supplying and delivering the associated supports for the non-self-clinging climbers and submission of material samples for the supports.

Rates for supplying of aquatic plants

SC22.51 The rates for supplying of aquatic plants shall also include for supplying and delivering all the associated materials including plastic mesh containers, wire mesh cages, growing medium, supports and ballast; and submission of material samples for all the associated materials.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

Rates for planting of climbers

SC22.52 The rates for planting of climbers shall also include for fixing the associated supports for the non-self-clinging climbers.

Rates for planting of aquatic plants

SC22.53 The rates for planting of aquatic plants shall also include for placing and fixing all the associated materials including plastic mesh containers, wire mesh cages, growing medium, supports and ballast.

Rates for tree felling

- SC22.54 The rates for tree felling shall further include for:-
 - (a) Fell only those trees earmarked and labeled or those as directed or approved by the Maintenance Surveyor.
 - (b) Commence any work related to tree felling on the Site only after the contractor's compliance with the requirements, such as those related to method statement, stipulated to be completed prior to commencing the tree felling work.
 - (c) Take all necessary safety precautions to protect the people engaged in the tree felling work as well as the people and property in the vicinity throughout the whole process of tree felling.
 - (d) Tree trunks and branches shall be removed in sections for reasons of safety and in such a manner that any potential damage to the public and adjacent utilities, services or pipes, structure, slopes or stream course vegetation is avoided.
 - (e) Fell the trees by cutting them near the ground, with their stumps ground rather than pulled so that the roots of the nearby plants to be retained are not injured.
 - (f) Remove the stumps and rootballs of the felled trees carefully to avoid causing damage to the roots of the nearby plants to be retained, where it is necessary to have such removal as directed by the Maintenance Surveyor.
 - (g) Do not use a preserved tree as anchor when winching out a stump.
 - (h) Remove all debris, wood, and roots where necessary. Burning of vegetation or any other construction debris is not permitted.
 - (i) All voids formed as a result of the above works shall be backfilled with clean material as appropriate.
 - (j) Report to the Maintenance Surveyor the necessity of such tree removal.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

- (k) Provide all reasonable assistance as required by the Maintenance Surveyor in the tree survey and the justification for the proposed tree removal with substantiation and the necessary details such as site formation plan and architectural or engineering drawings, for the Maintenance Surveyor's preparation of the tree felling or transplanting application for the tree removal.
- (1) Fell or transplant the trees only after the Maintenance Surveyor's approval to the tree removal which shall normally be given only after the tree felling application has been approved by the government approving authority (Lands Department (LandsD/LCSD/AFCD)).
- (m) At the commencement of works, and concurrent with the tree protection works, Contractor shall identify and clearly mark all trees that are indicated on Contract drawing as trees to be felled. Any tree which for any reason is required to be felled during the progress of the work shall be immediately drawn to the Maintenance Surveyor's attention and permission sought from relevant authority prior to any felling being carried out.
- (n) Unless under emergency situation agreed by the Maintenance Surveyor, the Contractor shall submit method statement on tree felling for the Maintenance Surveyor's approval and shall commence any work related to tree felling only after the method statement has been approved in writing by the Maintenance Surveyor.

Rates for basic establishment operations

- SC22.55 The rates for basic establishment operations for various types of plants / grassed areas shall further include for:-
 - (a) Watering.
 - (b) Control of pests and disease.
 - (c) Weeding and litter removal.
 - (d) Aeration and forking over.
 - (e) Replacement of plants and grass with the same species and sizes where the plants or grass fail to become established or to conform to the Specification.
 - (f) Firming-up and security.
 - (g) Topping up of mulching.
 - (h) Apply fertilizers.
 - (i) Pruning and removal of dead leaves and branches.

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE – BUILDER'S WORKS (CONT'D)

- (j) Grass cutting.
- (k) Top-dressing.
- (l) Aeration and rolling of turf area.
- (m) Cleaning and polishing of all plant leaves of indoor plants with an approved leaf polish at monthly interval.
- (n) Monthly Establishment Operations Record.

Rates for supplying and installing metal / bamboo staking system and guying system

SC22.56 The rates for supplying and installing metal / bamboo staking system and guying system shall include for supplying, loading, and/or transporting from any locations as directed, unloading, excavating, multi-handling, and fixing the stakes and guys with all necessary materials such as ties, guying stakes, trunk protection materials as specified in the required location; and submission of material samples as specified.

PART I – PREPARATORY WORKS

Items 22001, 22008 and 22013 are deleted Items 22267 to 22282 are added

PART II – LANDSCAPE HARDWORKS

Items 22035 to 22039 are deleted Items 22283 to 22286 are added

PART III.B – LANDSCAPE SOFTWORKS – PLANTING ITEMS

Items 22157 and 22201 to 22205 are deleted Items 22287 to 22292 are added

PART III.D - TRANSPLANTING

Items 22293 to 22294 are added

PART III.E - TREE FELLING AND PRUNING / SURGERY WORKS

Item 22240 is deleted Item 22295 is added

PART IV – ESTABLISHMENT WORKS

Items 22253, 22257 and 22264 are deleted Items 22296 to 22335 are added

CORRIGENDUM NO.1 – JANUARY 2015

VOLUME ONE - BUILDER'S WORKS (CONT'D)

SECTION 23 – GEOTECHNICAL WORKS

PART II – SLOPE TREATMENTS

DRAINAGE AND EROSION CONTROL

Item 23093 is deleted Item 23109 is added

SECTION 64 - MONITORING PAYMENT OF WAGES

SPECIAL CONDITIONS

Rate for providing Contractor's Labour Officer

SC64.06 Replace the words "Construction Industry Council" with "levy for Construction Industry Council" in sub-clause (m).

CORRIGENDUM NO.1 - JANUARY 2015

Section 07		ROOFING AND WATERPROOFING	0714	9 - 07149
Item	PROPRIETAI	RY ROOFING SYSTEM AND FLOOR WATERPROOFING SYSTEM		Item
	Per square metre		A \$	
07149	or new surfaces,	applied waterproofing membrane system to required thickness including all primer and top coat(s), to existing including all necessary preparation and protection required, all in accordance with the manufacturer's	550.10	07149

CORRIGENDUM NO.1 - JANUARY 2015

Section 16		REPAIRS AND ALTERATION TO SPECIALTY WORKS	1604	4 - 16044
Item	REPAIRS TO	PROPRIETARY ROOFING SYSTEM OR FLOOR WATERPROOFING SYSTEM		Item
	Per square metre		A \$	
16044	thickness of the s all primer and top	of existing roofing or floor waterproofing system in patches or isolated areas by cutting through the complete ystem, preparing and spray applying proprietary waterproofing membrane to required thickness including o coat(s) and protection, resealing after inspection and making good disturbed surfaces, all in accordance with is instructions (concrete roof tiles and cement and sand screed are measured separately)	681.10	16044

CORRIGENDUM NO.1 - JANUARY 2015

Section 19		RECREATIONAL / SPORTS SURFACING AND PROTECTIVE PADDING			
Item	TREATMENT	TO EXISTING / NEW SUBSTRATES FOR RECREATIONAL SURFACE COATING SYSTEM		Item	
10077	Per square metre		Supply and fix A \$		
19077		evelling and smoothing screed applied on existing / new concrete or asphalt substrate ional surface coating all in accordance with manufacturer's instructions	164.60	19077	
	RECREATION	NAL SURFACE COATING SYSTEM			
	Proprietary recreat complying with the second seco	ational surface coating system suitable for ball courts, soccer pitches and recreational grounds and he following : -	Supply and fix		
	Per square metre		A \$		
19078	Federation or othe two coats of prim	tional surface coating system with acrylic resin formulation and certification from International Tennis er recognised international sports association, comprising one basic court coating system, ing layer or resurfacer and one coat of colour coatings applied on existing / new concrete or asphalt substrate tion by specialist applicator approved by Maintenance Surveyor all in accordance with manufacturer's			
	instructions and p	provision of a warranty not less than 2 years	89.20	19078	
19079	Add to Item 1907	78 for one coat of proprietary acrylic resurfacer mixed with silica sand	10.80	19079	
19080	Ditto but one coa	t of proprietary acrylic colour coating	13.00	19080	
19081	Ditto but one coa	t of proprietary cushion resilient layer	13.30	19081	
	Per linear metre				
19082	Two coats of prop	prietary line marking on proprietary recreational surface coating system n.e. 50 mm wide	17.30	19082	
19083	Ditto but circular	-on-plan n.e. 10.0 m radius	20.90	19083	
	Per square metre				
19084	metallic oxides pi or asphalt substra	ational surface coating system in mineral based finish of inorganic nature with mineral silica binders and igments comprising one prime coat, one under-coat and one colour top coat applied on existing / new concrete te including application by specialist applicator approved by Maintenance Surveyor all in accordance with structions and provision of a warranty not less than 3 years	210.50	19084	
19085	substrate includin	ng of one prime coat, two under-coats and one colour top coat applied on existing / new concrete or asphalt g application by specialist applicator approved by Maintenance Surveyor all in accordance with manufacturer's provision of a warranty not less than 3 years	237.50	19085	

CORRIGENDUM NO.1 - JANUARY 2015

Section 19		RECREATIONAL / SPORTS SURFACING AND PROTECTIVE PADDING				
Item	RECREATION	NAL SURFACE COATING SYSTEM (CONT'D)		Item		
		ational surface coating system suitable for ball courts, soccer pitches and recreational grounds and ne following : - (Cont'd)	Supply and fix A \$			
19086		prietary line marking on proprietary recreational surface coating system n.e. 50 mm wide	42.10	19086		
19087		-on-plan n.e. 10.0 m radius	44.80	19087		
1,000				1,001		

CORRIGENDUM NO.1 - JANUARY 2015

Section 20		FIXTURES AND FITTINGS					2038	35 - 20390
Item	m SANITARY FITTINGS							Item
	SINKS (Note: All sink m	ixers or faucets are measured separately)		Supply and fix	Take down and clear away	Take down and set aside for re- use	Fix only	
	Each			A \$	B \$	C \$	D \$	
20385	or fixed trap, brac flush pipe, waste supply fittings	tting comprising combined bed-pan and wash up sink compl ckets, urinal bottle and bed-pan jets, high level cistern with b fitting, plug and chain, drainer, shower head and including a 55 will only be paid for if ordered by the Maintenance Surve	orackets and Ill necessary	16,376.30	260.20	264.00	830.00	20385
	Vandal proof self	NG TAPS, COCKS AND MIXERS WITH TIME-D		TION				
	with fittings and f	fixing accessories : -			pply	Take do	own and	
			Diameter (mm)	and 15	1 fix 20	clear 15	away 20	
			()	A \$	B \$	C \$	D \$	
20386	showering temper	self closing non-concussive shower mixer stop cock , knob rature, built in adjustable flow device supplied with anti-thef r pipe and hose	t device fixed	1,626.60	1,909.70	31.90	35.10	20386
20387	Concealed self cl	osing non-concussive shower mixer stopcock ditto		1,970.40	2,314.20	31.90	35.10	20387
20388	Scheme (WELS)	concussive shower mixer stop cock of WSD's Water Efficier Grade 1 type knob to select showering temperature, built in <i>i</i> th anti-theft device fixed shower head, riser pipe and hose.	adjustable flow	1,887.80	2,217.00	31.90	35.10	20388
20389	Ditto but Grade 2	, 3 or 4 type		1,626.60	1,909.70	31.90	35.10	20389
				Fix	only		own and away	
			Diameter (mm)	15 A	20 B	15 C	20 D	
	Each			\$	\$	\$	\$	
20390	Add to either of I	tems 20388 to 20389 inclusive for concealed shower mixer s	stop cock	239.30	327.60	31.90	35.10	20390

CORRIGENDUM NO.1 - JANUARY 2015

Section 20 FIXTURES AND FITTINGS		2039	1 - 20399					
Item	SELF-CLOSING TAPS, COCKS AND MIXERS WITH TIME-DELAY CLOSING ACTION (CONT'D)						Item	
	Vandal proof self closing taps or stop cocks with time delay closing action devices complete with fittings and fixing accessories : - (Cont'd)							
	with fittings and f	IAIng accessories (Contu)		11.2		Take do		
		Γ	Diameter (mm)	15	20	clear 15	20	
	Each			A \$	B \$	C \$	D \$	
20391	-	concussive basin pillar tap with time delay closing action, built self cleaning piston and anti-splash gauze strainer	•	316.20	414.20	31.90	35.10	20391
20392	Scheme (WELS)	concussive basin pillar tap or mixer of WSD's Water Efficiency Grade 1 type with built in adjustable flow rate device, self clea lash gauze strainer	ning	364.10	478.10	31.90	35.10	20392
20393	Ditto but Grade 2	, 3 or 4 type		316.20	414.20	31.90	35.10	20393
		NITARY FITTINGS INGS AND ACCESSORIES						
				Supply and fix	Take down and clear away	Take down and set aside for re- use	Fix only	
	Each			A \$	В \$	C \$	D \$	
20394	Urinal flush valve	e of WSD Water Efficiency Labelling Scheme (WELS) Grade	1 type	786.10	24.90	36.40	106.00	20394
20395	Ditto but Grade 2	, 3 or 4 type		738.50	24.90	36.40	106.00	20395
20396	Authority suitable Labelling Scheme sensor and manua and powered by th	ed vandal proof urinal flush valve approved by Hong Kong Wa e for sea water, including certification under the WSD Water E e (WELS) as Grade 1, 2, 3 or 4 type, concealed/built-in type, w al overriding button in case of failure of sensor, filter before flur ransformer and provision of connection to nearest power point ical worker	fficiency rith infra-red ıshing valve by	1,335.70	24.90	36.40	106.00	20396
	SHOWER FIT	TINGS						
				Supply and fix	Take down and clear away	Take down and set aside for re- use	Fix only	
	Each			A \$	В \$	C \$	D \$	
20397	Plastic or chromit	ım plated shower head		83.70	5.70	5.70	12.40	20397
20398	Shower head of V	VSD Water Efficiency Labelling Scheme (WELS) Grade 1 to C	Grade 4	98.70	5.70	5.70	12.40	20398
20399	Chromium plated	bracket for shower head including plugging to wall		101.20	10.20	11.50	23.00	20399
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CORRIGENDUM NO.1 - JANUARY 2015

Section 2	22 LANDSCAPE WORK	2226	67 - 22282
Item	PART I - PREPARATORY WORKS		Item
	Per square metre	A \$	
22267	Clear, cut down and remove from Site rubbish, litter, construction debris, stones, grass, weed, vines, shrubs, undergrowth, etc. and the like including trees not exceeding 95 mm DBH, and grubbing up roots and filling void with approved materials, where required, and making good disturbed surfaces to match existing	24.70	22267
	(Note : Item 22267 will not be paid for if the clearance, cutting down and removal works are carried out in conjunction with the excavation works, or if excavation works are subsequently carried out by the Contractor at the same location.)		
22268	Take delivery, spread and mix in peat moss, alginate (at rate of 150kg per m ²)	12.50	22268
	Per cubic metre		
22269	Supply decomposite granite	216.70	22269
22270	Supply sand	350.00	22270
22271	Supply stone chips	500.00	22271
22272	Supply soil stablizer	500.00	22272
22273	Supply drainage aggregate	383.30	22273
22274	Supply lightweight aggregate	633.30	22274
	Per square metre		
22275	Supply filter layer	53.30	22275
	Per cubic metre		
22276	Take delivery, spread and mix in decomposite granite	200.00	22276
22277	Take delivery, spread and mix in sand	206.70	22277
22278	Take delivery, spread and mix in stone chips	150.00	22278
22279	Take delivery, spread and mix in soil stablizer	133.30	22279
22280	Take delivery, spread and level drainage aggregate	140.00	22280
22281	Take delivery, spread and level lightweight aggregate	116.70	22281
	Per square metre		
22282	Take delivery, laying and protecting filter layer	22.50	22282

CORRIGENDUM NO.1 - JANUARY 2015

Section 22		LANDSCAPE WORK	2228	3 - 22292
Item	PART II - LAN	IDSCAPE HARDWORKS		Item
	Each		A \$	
22283	Supply plant labe	ls for tree, conifer, palm and climber	24.90	22283
22284	Supply plant labe	Is for shrub, herbaceous plant and groundcover	24.90	22284
22285	Fix plant labels fo	or tree, conifer, palm and climber	2.50	22285
22286	Fix plant labels fo	or shrub, herbaceous plant and groundcover	2.50	22286
	PART III.B - L	ANDSCAPE SOFTWORKS - PLANTING ITEMS		
	· · · ·	ing pots or containers and remove from the Site when instructed by the Maintenance Surveyor is measured separately) : -		
	Per cubic metre		A \$	
22287		at soil filling materials, wheel, spread, level and compact in layers 75 mm thick to flat areas and slopes er bed or flower boxes, including trimming and beating surface and forming mitres and curves	666.70	22287
	Each			
22288		ornamental plants other than Orchidaceae family 150-300mm high, 150-300mm spread iately sized pot with tray	24.90	22288
22289		ornamental plants other than Orchidaceae family 300-450mm high, 300-400mm spread iately sized pot with tray	37.40	22289
22290		ornamental plants other than Orchidaceae family 450-600mm high, 400-550mm spread iately sized pot with trays	62.30	22290
22291		ornamental plants other than Orchidaceae family 600-900mm high, 550-750mm spread iately sized pot with trays	87.20	22291
22292	Supply and place	ornamental plants from the Orchidaceae family with appropriately sized pot with tray	99.70	22292

CORRIGENDUM NO.1 - JANUARY 2015

Section 22		LANDSCAPE WORK						2229	3 - 22295
Item	PART III.D - 7	TRANSPLANTING							Item
	Transplant the following plants obtained from an existing or a designated location to any distance from or to Site including all necessary excavation, backfilling, pruning, removing surplus excavated material from Site, loading, transporting, unloading, tree surgery work, cultivating, planting firming, staking, protecting and watering as required for new works by the Specification and as directed by the Maintenance Surveyor : -								
				·			Location within the Site A	Location outside the Site B	
	Each						\$	\$	
22293	Transplant trees/p	palms/conifers smaller than 150mm diameter at breast heigh	ht				1,080.00	1,606.00	22293
							Slope in	clination	
							30° - 45°	exceeding 45°	
	Each						A \$	В \$	
22294	Extra over Item 2	2293 on slope inclination					622.70	1,245.40	22294
	PART III.E - 1	TREE FELLING AND PRUNING / SURGERY WO	ORKS		DI				
			0 - 95mm	95 - 150mm	150 - 300mm	300 - 450mm	450 - 600mm	600 - 750mm	
			A \$	B \$	C \$	D \$	E \$	F \$	
	Each		φ	φ	φ	φ	φ	φ	
22295	voids with approv	g grubbing up of roots and stumps and filling in ved material, if required, clearing away all arisings, all disturbed ground surfaces	. 575.00	1,013.30	1,519.90	2,026.50	3,005.10	3,039.80	22295
	and making good	an disturbed ground surfaces	. 575.00	1,015.50	1,519.90	2,020.30	3,005.10	3,039.80	22295

CORRIGENDUM NO.1 - JANUARY 2015

Section 22 LANDSCAPE WORK			2229	6 - 2230
Item	-	TABLISHMENT WORKS		Item
	(Note: The follow	ing items 22296 to 22299 inclusive will only be paid for, if ordered by the Maintenance Surveyor in writing)		
	Number per mon	th	A \$	
22296	Basic monthly est	ablishment operations for light standard trees and small palms	3.10	22296
22297	Basic monthly est	ablishment operations for ornamental plants other than Orchidaceae family	2.50	2229
22298	Basic monthly est	ablishment operations for ornamental plants from the Orchidaceae family	2.50	22298
		DBH		
		0 - 150mm	1,800 - 2,250mm	
	Each	A B C D E \$ \$ \$ \$ \$	F \$	
22299		ablishment operations for transplanted 266.70 783.30 1,266.70 1,450.00 2,600.00	2,750.00	2229
	Per square metre		A \$	
22300	Weed planted area	a, free of weed	4.70	2230
22301	Water turf and gro	ound cover plants	3.70	2230
22302	Apply feritilizer a	t 40g per m ² to grass, ground cover plants and herbaceous plants	3.20	2230
22303	Extra over Item 2	2302 for the use of approved organic fertilizer	4.30	2230
22304	Forking over		3.00	2230
22305	Apply pesticide of	r fungicide to ground covers / grassed area	4.30	2230
22306	Grass cutting		3.30	2230
22307	Top-dressing		26.00	2230
22308	Aeration of turf a	rea	8.30	2230
22309	Rolling of turf are	28	9.00	2230

CORRIGENDUM NO.1 - JANUARY 2015

Section 2	22	LANDSCAPE WORK	2231	0 - 22333
Item	PART IV - ES	FABLISHMENT WORKS (CONT'D)		Item
	Per number		A \$	
22310	Firm up semi-ma	ture and heavy standard trees, large palms and large conifers	250.00	22310
22311	Firm up standard	and light standard trees, medium and small palms and small conifers	78.30	22311
22312	Firm up whips, se	eedling, bamboos, shrubs, ground cover plants, herbaceous plants and climbers	8.70	22312
22313	Water light stand	ard and standard trees, conifers and palms	4.70	22313
22314	Water heavy stan	dard and semi-mature trees or above	5.00	22314
22315	Water bamboos, s	seedlings, whips, climbers, shrubs and herbaceous plants	1.90	22315
22316	Apply fertilizer at	75g per plant to seedling trees, whips, small palms and conifers, shrubs, bamboo and climbers	3.20	22316
22317	Apply fertilizer at	125g per plant to standard trees, medium size palms	6.00	22317
22318	Apply fertilizer at	200g per plant to heavy standard trees, large palms and large conifers or above	7.70	22318
22319	Apply fertilizer at	250g per plant to semi-mature trees or above	9.70	22319
22320	Extra over Items	22316 and 22317 for the use of approved organic fertilizer	13.00	22320
22321	Extra over Items	22318 and 22319 for the use of approved organic fertilizer	13.30	22321
22322	Apply pesticide o	r fungicide to seedling trees, whips, bamboos, shrubs, herbaceous plants or climbers	9.30	22322
22323	Apply pesticide o	r fungicide to light standard, standard trees, small conifers, small & medium palms	53.30	22323
22324	Apply pesticide o	r fungicide to heavy standard and semi-mature trees, large conifers and palms, and above	110.00	22324
	Per set			
22325	Supply and instal	l staking system, with one bamboo stake	20.00	22325
22326	Supply and instal	l staking system, with three bamboo stakes	65.00	22326
22327	Supply and instal	l staking system, with two metal stakes and single tie per stake	206.70	22327
22328	Supply and instal	l staking system, with two metal stakes and two ties per stake	233.30	22328
22329	Supply and instal	l staking system, with three metal stakes and single tie per stake	236.70	22329
22330	Supply and instal	l guying system, with three guy wires	320.00	22330
22331	Extra over Item 2	2330 for semi-mature trees, extra large palms, and extra large conifers	100.00	22331
22332	Adjust tree guys a	und guy stakes	63.30	22332
22333	Adjust tree stakes	and ties	36.70	22333

CORRIGENDUM NO.1 - JANUARY 2015

Section 22		LANDSCAPE WORK	2233	4 - 22335
Item	PART IV - ES	TABLISHMENT WORKS (CONT'D)		Item
	Per set		A \$	
22334	Remove tree stak	es and ties	38.30	22334
22335	Remove tree guys	s and guy stakes	60.00	22335

CORRIGENDUM NO.1 - JANUARY 2015

Section 23		GEOTECHNICAL WORKS				23109 - 23109	
Item	PART II - SLOPE TREATMENTS						Item
	DRAINAGE AND EROSION CONTROL			Diameter of opening (mm)			
			n.e.	500	1000	1500	
			500	- 1000	- 1500	- 2000	
			А	В	С	D	
	Each		\$	\$	\$	\$	
23109	Form opening to	rock mesh and/or erosion control mat on slope	32.70	68.80	104.80	140.90	23109