

**PART 5
SCHEDULE OF RATES**

PART 5 SCHEDULE OF RATES

No	Description	Unit of Measure	Rate (\$\$)
A	SITE CLEARANCE		
Remove trees including grubbing up of roots, filling in void in the ground with approved soil mix, all direct and indirect expenses including but not limited to transportation, Contractor's equipment, supervision, compliance with relevant safety conditions and disposal charges (girth measured at a height of 1.00m above ground)			
1	Not exceeding 600mm girth	No.	102.17
2	Exceeding 600mm but not exceeding 900mm girth	No.	140.98
3	Exceeding 900mm but not exceeding 1.20m girth	No.	199.32
4	Exceeding 1.20m but not exceeding 1.50m girth	No.	277.46
5	Exceeding 1.50m but not exceeding 1.80m girth	No.	385.04
6	Exceeding 1.80m but not exceeding 2.10m girth	No.	497.38
7	Exceeding 2.10m but not exceeding 2.40m girth	No.	609.84
8	Exceeding 2.40m but not exceeding 2.70m girth	No.	722.17
9	Exceeding 2.70m but not exceeding 3.00m girth	No.	775.66
Remove trees without grubbing uproots including all direct and indirect expenses including but not limited to transportation, Contractor's equipment, supervision, compliance with relevant safety conditions and disposal charges (girth measured at a height of 1.00m above ground)			
10	Not exceeding 600mm girth	No.	55.00
11	Exceeding 600mm but not exceeding 900mm girth	No.	72.00
12	Exceeding 900mm but not exceeding 1.20m girth	No.	88.00
13	Exceeding 1.20m but not exceeding 1.50m girth	No.	165.00
14	Exceeding 1.50m but not exceeding 1.80m girth	No.	220.00
15	Exceeding 1.80m but not exceeding 2.10m girth	No.	330.00
16	Exceeding 2.10m but not exceeding 2.40m girth	No.	330.00
17	Exceeding 2.40m but not exceeding 2.70m girth	No.	418.00
18	Exceeding 2.70m but not exceeding 3.00m girth	No.	418.00
Removal of uprooted/snapped palm including stump, including removal offsite, filling in void in ground with earth obtained from Contractor's own source and making good disturbed (girth measured at a height of 1.00m above ground)			
19	Not exceeding 100mm girth	No.	1.20
20	Exceeding 100mm but not exceeding 200mm girth	No.	2.40
21	Exceeding 200mm but not exceeding 300mm girth	No.	3.60
22	Exceeding 300mm but not exceeding 500mm girth	No.	7.20
23	Exceeding 500mm but not exceeding 800mm girth	No.	14.40
24	Exceeding 800mm but not exceeding 1200mm girth	No.	21.60

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No	Description	Unit of Measure	Rate (\$\$)
25	Exceeding 1200mm but not exceeding 1500mm girth	No.	36.00
26	Exceeding 1500mm but not exceeding 1800mm girth	No.	54.00
27	Exceeding 2000mm	No.	79.20
Turf and top soil			
28	Lifting turf average 50mm deep, lay aside and preserve for re-use (preserving not exceeding 7 days)	m2	2.64
29	Stripping turf and disposal off site (not extra over item)	m2	1.70
B	EXCAVATION		
Over site excavation			
Excavating over site to reduced levels, getting out, removing depositing, spreading, levelling and mechanically ramming and consolidating onsite or removing offsite to a dump or depositing at Contractor's own dumping ground			
1	Average depth not exceeding 100mm deep	m2	1.20
2	Average depth exceeding 100 mm and not exceeding 200mm deep	m2	1.34
3	Average depth exceeding 200mm and not exceeding 300mm deep	m2	2.20
4	Average depth exceeding 300mm deep	m3	7.14
Trench Excavation			
Excavating trenches commencing from reduced level and getting out including timbering and strutting to sides of excavation			
5	Not exceeding 2.00m deep	m3	16.20
6	Exceeding 2.00 but not exceeding 4.00m deep	m3	20.76
7	Exceeding 4.00 but not exceeding 6.00m deep	m3	40.08
Pit excavation			
Excavating pit for planting and the like commencing from reduced level and getting out including timbering and strutting to sides of excavation			
8	Not exceeding 2.00m deep	m3	32.40
9	Exceeding 2.00m and not exceeding 4.00m deep	m3	45.36
10	Exceeding 4.00m and not exceeding 6.00m deep	m3	58.32
11	Exceeding 6.00m deep and not exceeding 8.00m deep	m3	71.28
12	Excavating isolated holes not exceeding 1 .00m3 and getting out, backfilling and disposing of surplus excavated material off site	No.	25.92
Extra over all type of excavation and disposal for breaking up and removing obstructions met in excavation			
13	Brickwork and blockwork	m3	11.66

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No	Description	Unit of Measure	Rate (\$\$)
14	Mass or reinforced concrete	m3	87.48
15	Rock	m3	96.17
16	Breaking up brick paving, asphaltic concrete layer or stone road base, tarmacadam paved road, carpark	m3	16.58
Planking and strutting			
17	Extra over various items of excavations for planking and strutting left in as directed including cutting runners below ground level (rates to include for wedges, cleats, etc)	m2	13.764
Filling			
Backfilling around foundation, trenches, column bases, pile caps, beams, pier holes and the like			
18	Selected excavated material consolidated in layers obtained within the site	m3	6.86
19	Selected imported dry earth consolidated in layers	m3	10.75
Filling to make up levels, embankments or terraces by depositing, spreading, levelling compacting and consolidating in layers of 150mm thickness			
20	Selected excavated material consolidated in layers obtained within the site	m3	8.22
21	Selected planting mixture consisting of either (a) a properly mix of one-part fertilizer and 3 parts approved soil or (b) all approved top soil to fill in excavated hole and lightly ram to a height of 0.23m above the surrounding ground	m3	11.81
Disposal of excavated materials			
Disposal on site			
22	Removing excavated material and depositing to a dump on site as directed by the SO irrespective of distance	m3	8.352
Disposal off site			
23	Removing excavated material and disposal off site	m3	38.88
C	SURFACE TREATMENT		
Trimming			
Trimming, levelling and grading excavated or make up level to required cambers and gradients			
1	Horizontal surfaces	m2	1.03
2	Vertical surfaces	m2	2.21
Landscaping			

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No	Description	Unit of Measure	Rate (\$\$)
3	Taking turf from stack and relay to level or slightly sloping ground (less than 45°) including 50mm thick top soil and sludge, top dressing, weeding out unwanted grass and weeds, cutting, watering and tending, and replacing when necessary until grass is established.	m2	5.64
Cow-grass (Axonopus Compressors) obtained from contractor's own sources laid on level or slightly sloping surfaces (less than 45°) at 450mm centres including 25mm thick top soil and sludge (1:1), top dressing, weeding out unwanted grass and weeds cutting, watering and tending and replacing when necessary until the grass is established			
4	Spot turfing	m2	4.04
5	Close turfing	m2	4.98
6	25mm thick (finished thickness) selected black soil obtained from contractor's own sources, depositing, spreading, leveling and rolling with a levelling formation	m2	1.32
7	Add to item 6 above for each additional 25mm thick (finished thickness)	m2	1.07
8	25mm thick top soil and sludge mixture (3:1) obtained from contractor's own sources, depositing, spreading, leveling and rolling with hand roller	m2	0.95
9	Add to item 8 - above for each additional 25 mm thick	m2	0.76
10	Ploughing down not exceeding 300mm deep with an approved disc plough, breaking up soil lumps as specified with approved tiller and mix sub-soil with sludge (proportion 6:1) as specified including trimming and levelling.	m2	1.51
Grass cutting by mechanical means to average finished height of 50mm above ground, sweep and remove cut grass offsite and trim edges along drain kerbs and roadsides including the supply and use of motorized lawn mowers and fuel, etc and cleaning all scupper drains in connection			
11	Not exceeding 100 m2	m2	0.26
12	Exceeding 100 m2 and not exceeding 1000 m2	m2	0.13
13	Exceeding 1000 m2 and not exceeding 10000 m2	m2	0.66
14	Exceeding 10000 m2	m2	0.04
Trimming hedge rows			

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No	Description	Unit of Measure	Rate (\$\$)
Trimming hedge rows both sides and top and up to 600mm widths by approved means including removal of clippings offsite			
15	Not exceeding 1.00m high above ground level	m	2.38
16	Exceeding 1.00m and not exceeding 1.50m high	m	16.63
17	Exceeding 1.50m and not exceeding 2.0m high above ground level	m	4.75
Cutting down hedges and grubbing uproots, removing offsite and filling voids with approved soil mix for the following height from ground (height measured from ground level)			
18	Not exceeding 1.00m high	m	6.20
19	Exceeding 1.00m and not exceeding 1.50m high	m	16.63
20	Exceeding 1.50m and not exceeding 2.0m high	m	25.21
Tree Pruning / Crown Reduction / Thinning			
Prune entire trees / crown reduction / thinning as specified up to any number of branches, including all direct and indirect expenses including but not limited to transportation, Contractor's equipment, supervision, compliance with relevant safety conditions and disposal charges (The height indicated in rates below is the height of tree before reduction.)			
21	Exceeding 3.00m but not exceeding 6.00m high	No.	89.00
22	Exceeding 6.00m but not exceeding 9.00m high	No.	143.00
23	Exceeding 9.00m but not exceeding 12.00m high	No.	257.00
24	Exceeding 12.00m but not exceeding 15.00m high	No.	358.00
25	Exceeding 15.00m but not exceeding 18.00m high	No.	590.00
26	Exceeding 18.00m high	No.	594.00
Supply labour, equipment etc. for crown reduction of the existing trees. Height is reduced by at least 1m but not exceeding 4m from the tip of the crown. Work includes removing undesirable form of structure and clearing of cut branches and debris (The height indicated in rates below is the height of tree before reduction)			
27	Exceeding 6.00m but not exceeding 9.00m	No.	200.00
28	Exceeding 9.00m but not exceeding 12.00m	No.	364.00
29	Exceeding 12.00m but not exceeding 15.00m	No.	521.00
30	Exceeding 15.00m but not exceeding 18.00mm	No.	787.00
31	Exceeding 18.00m	No.	1161.00

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No	Description	Unit of Measure	Rate (\$\$)
Supply labour, equipment etc. for crown reduction of the existing trees. Height is reduced by at least 4m but not exceeding 8m from the tip of the crown. Work includes removing undesirable form of structure and clearing of cut branches and debris (The height indicated in rates below is the height of tree before reduction.)			
32	Exceeding 9.00m but not exceeding 12.00m	No.	220
33	Exceeding 12.00m but not exceeding 15.00m	No.	396
34	Exceeding 15.00m but not exceeding 18.00m	No.	660
35	Exceeding 18.00m	No.	880
Tree pollarding			
Tree pollarding for height from ground			
36	not exceeding 1.00m high	No.	192.00
37	Exceeding 1.00 but not exceeding 2.00m high	No.	456.00
38	Exceeding 2.00 but not exceeding 3.00m high	No.	1056.00
39	Exceeding 3.00 but not exceeding 4.00m high	No.	1200.00
40	Exceeding 4.00 but not exceeding 5.00m high	No.	1440.00
41	Exceeding 5.00 but not exceeding 6.00m high	No.	1800.00
42	Exceeding 6.00 but not exceeding 7.00m high	No.	1800.00
43	Exceeding 7.00 but not exceeding 8.00m high	No.	1800.00
44	Exceeding 8.00 but not exceeding 9.00m high	No.	2160.00
45	Exceeding 9.00 but not exceeding 10.00m high	No.	2160.00
46	Exceeding 10.00 but not exceeding 11 .00m high	No.	2400.00
47	Exceeding 11.00 but not exceeding 12.00m high	No.	3360.00
48	Exceeding 12.00 but not exceeding 13.00m high	No.	3600.00
49	Exceeding 13.00 but not exceeding 14.00m high	No.	3600.00
50	Exceeding 14.00 but not exceeding 15.00m high	No.	3600.00
51	Exceeding 15.00m high	No.	3600.00
Pebbles			
52	Supply and lay grey river pebbles (Rate per bag of 25kg)	No.	16.80
D	PLANTS		
Palms			
Planting palms exceeding 1.50m in height in prepared soil beds of selected soil mix, staking, addition of fertilisers, watering, mulching with 50mm approved mulch			
1	Archontophoenix alexandrae	No.	46.20
2	Chamaedora sp.	No.	46.20
3	Cyrtostachys lakka	No.	85.80

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No	Description	Unit of Measure	Rate (\$\$)
4	Chrysalidocarpus lutescens	No.	66.00
5	Caryota sp.	No.	85.80
6	Livistona sp.	No.	85.80
7	Licuala sp.	No.	85.80
8	Ptychosperma sp.	No.	66.00
9	Rhapis sp.	No.	23.76
10	Other acceptable palms	No.	33.00
Planting palms exceeding 1.0m but not exceeding 1.50m in height in prepared soil beds of selected soil mix, staking, addition of fertilisers, watering, mulching with 50mm approved mulch			
11	Archontophoenix alexandrae	No.	46.20
12	Chamaedora sp.	No.	46.20
13	Cyrtostachys lakka	No.	85.80
14	Chrysalidocarpus lutescens	No.	66.00
15	Caryota sp.	No.	85.80
16	Livistona sp.	No.	85.80
17	Licuala sp.	No.	85.80
18	Ptychosperma sp.	No.	66.00
19	Rhapis sp.	No.	23.76
20	Other acceptable palms	No.	33.00
Trees			
Planting trees exceeding 1.50m in height complete with tree pits, staking, addition of fertilisers, watering, mulching with 50mm approved mulch			
21	Ardisia littoralis	No.	198.00
22	Brassaia actinophylla	No.	198.00
23	Ficus sp.	No.	198.00
24	Podocarpus sp.	No.	198.00
25	Other acceptable trees	No.	198.00
Planting trees exceeding 1.00m but not exceeding 1.50m in height complete with tree pits, staking, addition of fertilisers, watering, mulching with 50mm approved mulch			
26	Ardisia littoralis	No.	158.40
27	Brassaia actinophylla	No.	158.40
28	Ficus sp.	No.	158.40
29	Podocarpus sp.	No.	158.40
30	Other acceptable trees	No.	158.40

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No	Description	Unit of Measure	Rate (\$\$)
Juniperus			
Planting juniperus exceeding 1.50m in height in prepared soil beds of selected soil mix, staking, addition of fertilisers, watering, mulching with 50mm approved mulch			
31	Araucaria excelsa hybrid	No.	112.20
32	Chamaecyparis sp.	No.	158.40
33	Cupressus sp.	No.	158.40
34	Juniperus sp.	No.	158.40
35	Pinus sp.	No.	158.40
36	Thuja sp.	No.	158.40
37	Other acceptable Juniperus	No.	158.40
38	Araucaria excelsa hybrid	No.	132.00
39	Chamaecyparis sp.	No.	132.00
40	Cupressus sp.	No.	132.00
41	Juniperus sp.	No.	132.00
42	Pinus sp.	No.	198.00
43	Thuja sp.	No.	198.00
44	Other acceptable Juniperus	No.	330.00
Foliage plants			
Planting foliage plants exceeding 1.00m but not exceeding 1 .50m in height in prepared soil beds of selected soil mix, staking, addition of fertilisers, watering, mulching with approved mulch			
45	Codiaeum variegatum	No.	6.60
46	Cordyline sp.	No.	6.60
47	Dracaena sp.	No.	6.60
48	Monstera deliciosa	No.	13.20
49	Philodendron sp.	No.	6.60
50	Polyscias sp.	No.	6.60
51	Schefflera arboricola	No.	6.60
52	Thaumatococcus danielli	No.	6.60
53	Other acceptable foliage plants	No.	6.60
Planting foliage plants exceeding 0.50m but not exceeding 1 .00m in height in prepared soil beds of selected soil mix, staking, addition of fertilisers, watering, mulching with approved mulch			
54	Aglaonema sp.	No.	6.60
55	Asparagus sp.	No.	6.60
56	Calathea sp.	No.	6.60

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No	Description	Unit of Measure	Rate (\$\$)
57	Codiaeum variegatum	No.	6.60
58	Cordyline sp.	No.	6.60
59	Dieffenbachia sp.	No.	6.60
60	Dracaena sp.	No.	6.60
61	Maranta sp.	No.	6.60
62	Monstera deliciosa	No.	6.60
63	Philodendron sp.	No.	6.60
64	Polyscias sp.	No.	6.60
65	Schefflera arboricola	No.	6.60
66	Scindapsus sp.	No.	6.60
67	Other acceptable foliage plants	No.	6.60
Shrubs			
Planting shrubs exceeding 0.50m but not exceeding 1 .00m in height in prepared soil beds of selected soil mix, staking, addition of fertilisers, watering, mulching with 50mm approved mulch			
68	Acalypha wilkesiana	No.	13.20
69	Bougainvillea sp.	No.	13.20
70	Crossandra sp.	No.	6.60
71	Duranta sp.	No.	6.60
72	Hydranta sp.	No.	33.00
73	Hydrangea macrophylla	No.	33.00
74	Ixora sp.	No.	6.60
75	Pachystachys lutea	No.	13.20
76	Pseuderanthemum sp.	No.	6.60
77	Wrightia religiosa	No.	13.20
78	Baphia nitida 2.00m high from ground level	No.	46.20
79	Other acceptable shrubs	No.	6.60
Small shrubs			
Planting shrubs not exceeding 0.50m in height in prepared soil beds of selected soil mix, staking, addition of fertilisers, watering, mulching with 50mm approved mulch			
80	Asystasia sp.	No.	6.60
81	Alternanthera sp.	No.	6.60
82	Artemisia scoparia	No.	6.60
83	Aster sp.	No.	6.60
84	Begonia sp.	No.	6.60
85	Cuphea sp.	No.	6.60
86	Portulaca grandiflora	No.	2.64

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No	Description	Unit of Measure	Rate (\$\$)
87	Russellia sp.	No.	2.64
88	Wedelia trilobata	No.	2.64
89	Zebrina pendula	No.	2.64
90	Zephyranthes sp.	No.	2.64
91	Other acceptable small scrubs	No.	2.64
Ferns			
Planting ferns not exceeding 0.50m in height in prepared soil beds of selected soil mix, addition of fertilisers, watering, mulching with 50mm approved mulch			
92	Adiantum sp.	No.	10.56
93	Davallia sp.	No.	10.56
94	Nephrolepsis sp.	No.	10.56
95	Pteris sp.	No.	10.56
96	Other acceptable ferns	No.	10.56
E	POTTED PLANTS		
Supply, display, and maintenance of potted plants exceeding0.50m in height complete with base plate and planter box			
1	Phiodendron Golden	No.	3.78
2	Silver Queen	No.	3.78
3	Ophiopogon	No.	3.78
Supply, display and maintenance of potted plants exceeding0.50m but not exceeding 1.00m in height complete with base plate and planter box. Annual (For Special Function Only)			
4	Amaranthus tricolour	No.	13.20
5	Amaranthus hypochondriacus	No.	13.20
6	Aster sp.	No	13.20
7	Celosia argentia cristata	No.	19.80
8	Celosia argentia pyramidalis	No.	19.80
9	Chrysanthemum sp.	No.	23.76
10	Coleus blumei hybrids	No.	10.56
11	Comphrena globusa	No.	10.56
12	Impatiens balsamina	No.	10.56
13	Kochia Mock cypress	No.	13.20
14	Lili Hymenocallis	No.	5.40
15	Petunia hybrids	No.	13.20
16	Salvia splendens	No.	13.20
17	Tomotoccos	No.	5.40

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No	Description	Unit of Measure	Rate (\$\$)
18	Zinnia elegans	No.	6.60
19	Zinnia linearis	No.	6.60
20	Other acceptable annuals	No.	6.60
Supply, display, and maintenance of potted plants exceeding 1.00m but not exceeding 1.50m in height complete with base plate and planter box			
21	Song of India	No.	6.80
22	Japanese Bamboo	No.	6.80
23	Dracceana	No.	6.80
24	Magirate	No.	6.80
25	Cordyline	No.	6.80
F	FLOWERS		
1	Supply freshly cut flowers with leaves properly arranged in a basket	No.	33.00
2	Supply, display and maintain of hydroponics' plants	No.	24.26
3	Supply of potted Orchids	No.	25.00
4	Supply of potted flower	No.	25.00
G	FIBREGLASS HOLDERS		
Supply coloured fibreglass holders for potted plants			
1	Large size	No.	63.36
2	Medium size	No.	50.16
3	Small size	No.	33.00
H	ADDITIONAL REPORTS		
1	Inspection and certification of health check of trees including submission of report by Certified Arborist and other miscellaneous items when required.	Per tree	24.00
2	Inspection and certification of health check of plants including submission of report by Certified Horticulturist and other miscellaneous items when required.	Per report	2400.00

PART 5 SCHEDULE OF RATES

Therapeutic Garden at Boarding

No	Description	Qty on site for reference	Unit of Measure	Rate S\$)
1	Flowers, Plants with sensory attributes			
	<u>Trees</u>			
1	Michelia champaca	2	No.	60
2	Murraya paniculata	6	No.	16
3	Averrhoa bilimbi	1	No.	40
4	Morus alba	3	No.	30
5	Synsepalum dulcificum	2	No.	30
6	Tecoma stans	5	No.	40
7	Leptospermum brachyandrum	2	No.	90
8	Buddha bamboo	2	No.	40
9	Melaleuca cajuputi	1	No.	60
	<u>Shrubs</u>			
1	Catharanthus roseus	40	No.	5
2	Turnera subulata	50	No.	3
3	Ruellia simplex	48	No.	3
4	Asystasia gangetica	50	No.	3
5	Ixora red	34	No.	5
6	Mimosa pudica	42	No.	25
7	Clerodendrum thomsoniae	50	No.	5
8	Pogonanthum paniceum	28	No.	3
9	Pedilanthus tithymaloides	52	No.	5
10	Artemisia scoparia	40	No.	6
11	Alocasia macrorrhizos	6	No.	10
12	Cordyline fruiticosa red	47	No.	5
13	Lemon grass	35	No.	5
14	Curry leaf	24	No.	6
15	Alpinia galanga	34	No.	6
16	Lime	14	No.	10
17	Thai basil	15	No.	6
18	Persocaria odorata	12	No.	4
19	Lantana camara	42	No.	6
20	Murraya paniculata	38	No.	4
21	Brunfelsia pauciflora	27	No.	6

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No	Description	Qty on site for reference	Unit of Measure	Rate S\$)
22	Jasminium sambac	48	No.	6
23	Ocimum tenuiflorum	27	No.	8
24	Pandanus amaryllifokus	16	No.	6
25	Pennisetum rubrum	50	No.	6
	<u>Climbers for Bamboo Trellis</u>			
1	Petrea volubilis	1	No.	12
2	Quisqualis indica	1	No.	8
3	Passiflora edullis	1	No.	8
4	Cissus sicyoides	1	No.	8

Notes

1 All unit rates shown against every item in this Part 5 – Schedule of Rates are fixed basic rates exclusive of GST and no amendments whatsoever shall be made to these rates. All these fixed rates shall be subjected to the percentage adjustment offered by the Contractor as quoted in Part 4 – Form of Tender.

2 The description given to each item shall, unless otherwise stated, be held to include the use of plant, tools, transportation, materials/chemicals, labour, establishment charges, profit, preliminaries and generally all other consequential requirements etc., required for the proper execution of the works.

3 The unit rates shown in the fixed priced schedule of rates also take into account that work may have to be carried out after normal office working hours and/or during Sundays and Public Holidays, unless otherwise stated.

4 The Contractor shall be deemed to have made a close study of this Tender Documents.