

| Name of Work :- Development of Permanent Campus of IIM Udaipur | | | | | |
|---|----------|---|------|------|--------|
| Subject:- bill of Quantities for Horticulture and Landscaping works | | | | | |
| Sr. No. | Quantity | Description | Unit | Rate | Amount |
| 1.0 | 856.00 | Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. (a) Ordinary rock | Cum | | |
| 2.0 | 214.00 | Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. (b) Hard rock (blasting prohibited) | Cum | | |
| 3.0 | 8226.00 | Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. (a) Ordinary rock | Cum | | |
| 4.0 | 2057.00 | Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. (b) Hard rock (blasting prohibited) | Cum | | |
| 5.0 | 3693.00 | Carriage of materials by mechanical transport including loading, unloading and stacking earth. Earth upto 1km | Cum | | |
| 6.0 | 2912.00 | Carriage of materials by mechanical transport including loading, unloading and stacking excavated rock. Excavated rock upto 1km | Cum | | |
| 7.0 | 10828.00 | Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead with in 50 m Lead and lift up to 1.5 m. | Sqm | | |
| 8.0 | 148.00 | Providing and fixing up to floor five level precast cement concrete solid block in any shape or pattern as per the drawing, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size) for planter | Cum | | |
| 9.0 | 5925.00 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto and above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more for planter. | kg | | |
| 10.0 | 69.00 | Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand). | Cum | | |
| 11.0 | 301.00 | 15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand) | Sqm | | |
| 12.0 | 30.00 | Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. | Sqm | | |
| 13.0 | 301.00 | Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm | Sqm | | |
| 14.0 | 3694.00 | Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods or of good soil and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50 m, lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately) | Cum | | |
| 15.0 | 7722.00 | Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) : Holes 1.2 m dia and 1.2 m deep | Nos | | |
| 16.0 | 2980.00 | Grassing with selection No. 1 grass including watering and maintenance of the lawn for 60 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the grass and earth shall be paid for separately). In rows 5 cm apart in both directions | Sqm | | |
| 17.0 | 2038.00 | Supplying, Stacking & Grassing with Paspalum notatum (PANO) grass including watering and maintenance of the lawn for 60 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the grass and earth shall be paid for separately). In rows 5 cm apart in both directions | Sqm | | |
| 18.0 | 191.00 | Supplying, Stacking & Grassing with Zoysia japonica tinuifolia (ZOJA.T) grass including watering and maintenance of the lawn for 60 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the grass and earth shall be paid for separately). In rows 5 cm apart in both directions | Sqm | | |
| 19.0 | 2980.00 | Supplying & Stacking of Selection No.1 Grass at site fresh & free from weeds having proper roots in green including loading, unloading, carriage and all taxes paid etc.and as per direction of officer in charge. | Sqm | | |
| 20.0 | 5103.00 | Supplying and stacking of good earth at site including royalty and carriage upto 5 km complete (earth measured in stacks will be reduced by 20% for payment). (Good earth shall consist of a free draining organic soil from horizons less than 300mm from the original surface, of a workable crumbly and lump free loamy character and shall contain no grass or weed growth of any kind or other foreign material or stones exceeding 25mm in diameter. Total stone content shall be no greater than 5% by volume. A 1 litre sample with back up soil test data is required before supply, to be approved by EIC. Soil should conform to the following parameters: pH 5.5 - 7.8, Electrical conductivity 1:2.5 (w/v), Soil-water extract not exceeding 1500 micromho/cm, Soil texture Sand (0.05 - 2.00mm) Max. 75% Min. 20%, Silt (0.002 - 0.05mm) Max. 60% Min. 5%, Clay (less than 0.002mm) Max. 30% Min. 5%.) | Cum | | |
| 21.0 | 2069.00 | Supplying and stacking of well decayed cattle manure at site including royalty and carriage upto 5 k.m. lead complete (cattle manure measured in stacks will be reduced by 8% for Payment). (Manure shall be well composted, dried, well screened good quality in powdered form. Manure, shall be free from soil clods, fresh mung grass, and dry. Sample will be approved by Engineer in charge.) | Cum | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|---|-------------|------|--------|
| 22.0 | 7722.00 | Staking of trees, palms and large shrubs using quadrapod staking made of 4 nos Bamboo 25 mm dia 2.5 metre long, fixed 0.3m in the soil and joined at 2/3 height of plant stem using jute rope, fixed to plant using rubber sheath; plant stem to be covered with gunny / jute cloth at fixing point to prevent damage, complete including supply of all material, labour and equipment, upto any lead and lift as directed by EIC | Nos | | |
| 23.0 | 438.00 | Providing & fixing of White River (Stone) Pebbles size of 2" to 2.50" dia in natural colour at site of work including loading, unloading, carriage and all taxes paid etc.and as per direction of officer in charge. | per Quintal | | |
| 24.0 | 361.00 | Supply of Shrubs - well developed, well branched - 3-4 branches each having 4-5 leaves, preferably in bloom, in polybag of 30x20cm size, disease free and development (height 0.75-0.9m) Shrubs are woody perennials of generally multi stemmed and bushy habit ranging from 3 - 4.5m down to 500mm height. Shrubs shall have no less than three main stems and shall be well balanced and bushy, with strongly developed fibrous root systems, and shall be pruned in advance as required to achieve the specified height tolerances. Branches shall break from the base of the plant just above the root collar, and shall be well furnished with leaves right down to ground level. Supply shall include labour & equipment cost of loading, unloading, transport to site, storage & stacking within site in area protected from dust using temporary agronet, watering & maintenance at stacking area until planted as directed by EIC Botanical Name (CODE) [Height metres] Acalypha hispida (ACHI) [0.6] | Nos | | |
| 24.001 | 260.00 | Acalypha wilkesiana 'red' (ACWI.R) [0.6] | Nos | | |
| 24.002 | 391.00 | Acalypha wilkesiana tahiti (ACWI.T) [0.6] | Nos | | |
| 24.003 | 432.00 | Adenium obesum (ADOB) [0.3] | Nos | | |
| 24.004 | 80.00 | Agave americana (AGAM) [0.6] | Nos | | |
| 24.005 | 58.00 | Aloe abyssinica (ALAB) [0.6] | Nos | | |
| 24.006 | 343.00 | Allamanda cathartica (ALCA) [0.6] | Nos | | |
| 24.007 | 65.00 | Angelonia augustifolia (ANAU) [0.45] | Nos | | |
| 24.008 | 526.00 | Bambusa ventricosa (BAVE) [1.2] | Nos | | |
| 24.009 | 17.00 | Bambusa ventricosa Dwarf (BAVE.D) [1.2] | Nos | | |
| 24.010 | 820.00 | Bambusa vulgaris (BAVU) [1.2] | Nos | | |
| 24.011 | 95.00 | Brya ebenus (BREB) [0.9] | Nos | | |
| 24.012 | 34.00 | Cassia auriculata (CAAU) [0.9] | Nos | | |
| 24.013 | 185.00 | Calliandra brevipes (CABR) [0.9] | Nos | | |
| 24.014 | 33.00 | Canna dwarf red (CADW.R) [0.3] | Nos | | |
| 24.015 | 33.00 | Canna dwarf yellow (CADW.Y) [0.3] | Nos | | |
| 24.016 | 1047.00 | Canna indica Red (CAIN.R) [0.45] | Nos | | |
| 24.017 | 1138.00 | Canna indica Yellow (CAIN.Y) [0.45] | Nos | | |
| 24.018 | 1147.00 | Caesalpinia pulcherrima Flava (CAPU.F) [0.9] | Nos | | |
| 24.019 | 878.00 | Caesalpinia pulcherrima (CAPU) [0.9] | Nos | | |
| 24.020 | 22.00 | Catharanthus rosea (CARS) [0.3] | Nos | | |
| 24.021 | 17.00 | Catharanthus rosea Pendula (CARS.P) [0.3] | Nos | | |
| 24.022 | 202.00 | Coleus blumei brilliancy (COBL) [0.45] | Nos | | |
| 24.023 | 22.00 | Conocarpus lancifolius (COLA) [0.9] | Nos | | |
| 24.024 | 718.00 | Codiaeum variegatum (COVA) [0.6] | Nos | | |
| 24.025 | 339.00 | Crinum asiaticum (CRAS) [0.6] | Nos | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|---|------|------|--------|
| 24.026 | 446.00 | Crinum menehune (CRME) [0.45] | Nos | | |
| 24.027 | 2538.00 | Cymbopogon citratus (CYCI) [0.45] | Nos | | |
| 24.028 | 11.00 | Dianella tasmonica (DITA) [0.3] | Nos | | |
| 24.029 | 362.00 | Duranta Lorentzii (DULO) [0.6] | Nos | | |
| 24.030 | 88.00 | Duranta lorentzii goldii (DULO.G) [0.6] | Nos | | |
| 24.031 | 1126.00 | Duranta repens (DURE) [0.6] | Nos | | |
| 24.032 | 17.00 | Duranta repens variegata (DURE.V) [0.6] | Nos | | |
| 24.033 | 594.00 | Echeveria elegans (ECEL) [0.3] | Nos | | |
| 24.034 | 802.00 | Euphorbia cotinifolia (EUCCO) [0.6] | Nos | | |
| 24.035 | 478.00 | Euphorbia leucocephala (EULE) [0.6] | Nos | | |
| 24.036 | 422.00 | Euphorbia Milii (Red) (EUMI.R) [0.3] | Nos | | |
| 24.037 | 74.00 | Euphorbia Milii (White) (EUMI.W) [0.3] | Nos | | |
| 24.038 | 736.00 | Euphorbia Milii (Yellow) (EUMI.Y) [0.3] | Nos | | |
| 24.039 | 708.00 | Euphorbia pulcherrima (EUPU) [0.45] | Nos | | |
| 24.040 | 70.00 | Furcraea gigantea (FUGI) [0.9] | Nos | | |
| 24.041 | 467.00 | Gardenia jasminodes (GAJA) [0.6] | Nos | | |
| 24.042 | 453.00 | Hamelia patens (HAPA) [0.45] | Nos | | |
| 24.043 | 587.00 | Hymenocallis littoralis (HYLI) [0.6] | Nos | | |
| 24.044 | 60.00 | Ixora coccinea 'pink' (IXCO.P) [0.45] | Nos | | |
| 24.045 | 1064.00 | Ixora chinensis Red (IXCH.R) [0.45] | Nos | | |
| 24.046 | 130.00 | Ixora Lutea (IXLU) [0.45] | Nos | | |
| 24.047 | 110.00 | Ixora rosea (IXRO) [0.45] | Nos | | |
| 24.048 | 17.00 | Ixora singaporensis (IXSI) [0.45] | Nos | | |
| 24.049 | 11.00 | Ixora singaporensis aurea (IXSI.A) [0.45] | Nos | | |
| 24.050 | 17.00 | Ixora Species (IXSP) [0.45] | Nos | | |
| 24.051 | 104.00 | Jatropha integerrima (JAIN) [0.6] | Nos | | |
| 24.052 | 22.00 | Kopsia fruticosa (KOFR) [0.9] | Nos | | |
| 24.053 | 200.00 | Manihot esculenta variegata (MAES) [0.9] | Nos | | |
| 24.054 | 2533.00 | Murraya exotica (MUEX) [0.9] | Nos | | |
| 24.055 | 1032.00 | Pennisetum rubrum (PERU) [0.6] | Nos | | |
| 24.056 | 1446.00 | Pennisetum setaceum (PESE) [0.6] | Nos | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|---|------|------|--------|
| 24.057 | 494.00 | Pedilanthus tithymaloides (PETI) [0.45] | Nos | | |
| 24.058 | 1257.00 | Rhoeo spathacea (RHSP) [0.3] | Nos | | |
| 24.059 | 400.00 | Russelia equisetiformis (RUEQ) [0.45] | Nos | | |
| 24.060 | 11.00 | Sansevieria green (SANS.G) [0.3] | Nos | | |
| 24.061 | 33.00 | Sansevieria trifasciata 'laurentii' (SATR.LA) [0.3] | Nos | | |
| 24.062 | 318.00 | Sansevieria trifasciata hahnii (SATI.H) [0.1] | Nos | | |
| 24.063 | 196.00 | Sansevieria trifasciata Yellow (SATR.Y) [0.3] | Nos | | |
| 24.064 | 352.00 | Sansevieria yellow (SANS.Y) [0.3] | Nos | | |
| 24.065 | 28.00 | Sansevieria Parva (SAPA.W) [0.3] | Nos | | |
| 24.066 | 544.00 | Schefflera arboricola (SCAR) [0.6] | Nos | | |
| 24.067 | 22.00 | Schefflera Eleptica (SCEL) [0.6] | Nos | | |
| 24.068 | 1334.00 | Stachytarpheta indica (STIN) [0.6] | Nos | | |
| 24.069 | 477.00 | Tecomaria capensis (TECA) [0.9] | Nos | | |
| 24.070 | 11.00 | Tabernaemontana coronaria (TACO) [0.9] | Nos | | |
| 24.071 | 266.00 | Tecoma gaudi-chaudi (TEGA) [0.9] | Nos | | |
| 24.072 | 443.00 | Tecom grandiflora (TEGR) [0.9] | Nos | | |
| 24.073 | 443.00 | Tecoma grandis (TEGR) [0.9] | Nos | | |
| 24.074 | 130.00 | Tecoma stans (TEST) [0.9] | Nos | | |
| 24.075 | 128.00 | Thryallis glauca (THGL) [0.45] | Nos | | |
| 24.076 | 356.00 | Thevetia peruviana (THPE) [1.2] | Nos | | |
| 24.077 | 326.00 | Turnera ulmifolia (TUUL) [0.6] | Nos | | |
| 24.078 | 1456.00 | Verbena tenera purple (VETU.P) [0.45] | Nos | | |
| 24.079 | 101.00 | Verbena tenera red (VETU.R) [0.45] | Nos | | |
| 24.080 | 866.00 | Verbena tenera white (VETU.W) [0.45] | Nos | | |
| 24.081 | 55.00 | Vetiveria zizanioides (VEZI) [0.9] | Nos | | |
| 24.082 | 22.00 | Vinca Hybrida (VIHY) [0.45] | Nos | | |
| 24.083 | 11.00 | Vinca Pink / rosea (VIPI) [0.45] | Nos | | |
| 24.084 | 11.00 | Vinca Purple (VIPU) [0.45] | Nos | | |
| 24.085 | 22.00 | Vinca Red / alba (VIRE) [0.45] | Nos | | |
| 24.086 | 132.00 | Vinca White (VIWH) [0.45] | Nos | | |
| 24.087 | 33.00 | Vinca Minor (VIMI) [0.3] | Nos | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|---|------|------|--------|
| 24.088 | 27.00 | Yucca aloifolia (YUAL) [0.9] | Nos | | |
| 24.089 | 214.00 | Aglaonema commutatum (AGCM) [0.45m] | Nos | | |
| 24.090 | 50.00 | Aglaonema commutatum Treubii (AGCM.T) [0.45m] | Nos | | |
| 24.091 | 69.00 | Aglaonema Crispum (AGCR) [0.45m] | Nos | | |
| 24.092 | 98.00 | Aglaonema Crispum Katyal (AGCR.K) [0.45m] | Nos | | |
| 24.093 | 37.00 | Aglaonema earnesto hybrid (AGEA.H) [0.45m] | Nos | | |
| 24.094 | 29.00 | Aglaonema nitidum (AGNI) [0.45m] | Nos | | |
| 24.095 | 48.00 | Alocasia lowii Hybrid (ALLW.H) [0.6m] | Nos | | |
| 24.096 | 61.00 | Alocasia macrorrhiza (ALMA) [0.6m] | Nos | | |
| 24.097 | 53.00 | Allamanda nerifolia (ALNE) [0.6m] | Nos | | |
| 24.098 | 73.00 | Alpinia Sandarae (ALSD) [0.6m] | Nos | | |
| 24.099 | 33.00 | Alpinia Zerumbet variegata (ALZE.V) [0.6m] | Nos | | |
| 24.100 | 580.00 | Alpinia Zerumbet (ALZR) [0.6m] | Nos | | |
| 24.101 | 195.00 | Angelonia angustifolia (ANAG) [0.3m] | Nos | | |
| 24.102 | 128.00 | Angelonia grandiflora (ANGR) [0.3m] | Nos | | |
| 24.103 | 73.00 | Anthurium Veitchii (ANVE) [0.45m] | Nos | | |
| 24.104 | 31.00 | Anthurium Wardcqueanum (ANWA) [0.45m] | Nos | | |
| 24.105 | 91.00 | Dieffenbachia amoena (DIAM) [0.6m] | Nos | | |
| 24.106 | 81.00 | Dieffenbachia Hicolor (DIHI) [0.6m] | Nos | | |
| 24.107 | 79.00 | Dieffenbachia jupiter (DIJU) [0.6m] | Nos | | |
| 24.108 | 223.00 | Dieffenbachia maculata (DIMA) [0.6m] | Nos | | |
| 24.109 | 270.00 | Dieffenbachia Venus (DIVN) [0.6m] | Nos | | |
| 24.110 | 72.00 | Dieffenbachia Vesuvius (DIVS) [0.6m] | Nos | | |
| 24.111 | 279.00 | Dieffenbachia wilsons delight (DIWI) [0.6m] | Nos | | |
| 24.112 | 39.00 | Ficus blackii (FIBL) [0.6m] | Nos | | |
| 24.113 | 39.00 | Ficus panda (FIPA) [0.6m] | Nos | | |
| 24.114 | 157.00 | Heliconia bihai (HEBI) [0.75m] | Nos | | |
| 24.115 | 22.00 | Heliconia caribaea (HECA) [0.75m] | Nos | | |
| 24.116 | 32.00 | Heliconia caribaea big red (HECA.R) [0.75m] | Nos | | |
| 24.117 | 171.00 | Heliconia Metallica (HEME) [0.75m] | Nos | | |
| 24.118 | 42.00 | Ixora chinensis (IXCH) [0.6m] | Nos | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|---|------|------|--------|
| 24.119 | 59.00 | Ixora chinensis Yellow (IXCH.Y) [0.6m] | Nos | | |
| 24.120 | 131.00 | Maranta Bicolor (MABI) [0.6m] | Nos | | |
| 24.121 | 55.00 | Philodendron bipinnatifidum (PHBI) [0.3m] | Nos | | |
| 24.122 | 114.00 | Philodendron Ceylon Gold (PHCE) [0.3m] | Nos | | |
| 24.123 | 120.00 | Philodendron Domesticum Variegatum (PHDO) [0.3m] | Nos | | |
| 24.124 | 99.00 | Philodendron elegans (dark) (PHEL) [0.3m] | Nos | | |
| 24.125 | 113.00 | Philodendron Pink Princess (PHPI) [0.3m] | Nos | | |
| 24.126 | 22.00 | Philodendron Pittieri (PHPT) [0.3m] | Nos | | |
| 24.127 | 108.00 | Stromanthe sanguinea (STSA) [0.3m] | Nos | | |
| 24.128 | 26.00 | Tabernaemontana divaricata (TADI) 0.6m | Nos | | |
| 25.0 | 10.00 | Supply of Trees - well developed, well branched crown - 4-6 branches each having 4-5 leaves, well developed (Poly bag size - 30"x 30", min. stem diameter 50mm and height as specified) Trees shall be large size nursery grown trees pruned during growth to produce a tight well rounded head and a straight stem clear of leaves or twigs. Trees shall be at least two years old, as certified by the nursery. Trees shall be 70-100 mm circumference stem when measured 1.0m from ground level and shall have a clear straight stem of minimum 1.2m. The head shall be well balanced and rounded and contain at least four main branches with a well-developed secondary branch system and a defined central leader that has not been pruned, giving a minimum overall height of 1.5m at the time of planting. Rootball dimensions : diameter 750mm x 750mm deep minimum. Branching/leaf spread 1.5 - 1.8m diameter. Pruning at the time of removal from the nursery will not be permitted. In dry weather conditions, trees are to be sprayed with approved Anti-transpirant. Trees shall have a strong fibrous root system. Supply shall include labour & equipment cost of loading, unloading, transport to site, storage & stacking within site in area protected from dust using temporary agronet, watering & maintenance at stacking area until planted as directed by EIC Botanical Name (CODE) [Height metres] Acacia auriculiformis (ACAU) [1.2] | Nos | | |
| 25.001 | 87.00 | Acacia catechu (ACCA) [1.2] | Nos | | |
| 25.002 | 169.00 | Acacia chundra (ACCH) [1.2] | Nos | | |
| 25.003 | 258.00 | Acacia eburnea (ACEB) [1.2] | Nos | | |
| 25.004 | 39.00 | Acacia ferruginea (ACFE) [1.2] | Nos | | |
| 25.005 | 17.00 | Acacia leucophloea (ACLE) [1.2] | Nos | | |
| 25.006 | 59.00 | Acacia nilotica (ACNI) [1.2] | Nos | | |
| 25.007 | 17.00 | Acacia planifrons (ACPL) [1.2] | Nos | | |
| 25.008 | 113.00 | Acacia senegal (ACSE) [1.2] | Nos | | |
| 25.009 | 6.00 | Adina cordifolia (ADCO) [1.2] | Nos | | |
| 25.010 | 84.00 | Aegle marmelos (AEMA) [1.2] | Nos | | |
| 25.011 | 6.00 | Ailanthus excelsa (AIEX) [1.8] | Nos | | |
| 25.012 | 11.00 | Alangium salviifolium (ALSA) [1.2] | Nos | | |
| 25.013 | 8.00 | Albizia odoratissima (ALOD) [1.8] | Nos | | |
| 25.014 | 9.00 | Albizia procera (ALPR) [1.8] | Nos | | |
| 25.015 | 61.00 | Albizia lebbeck (ALLE) [1.8] | Nos | | |
| 25.016 | 68.00 | Alstonia scholaris (ALSC) [2.4] | Nos | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|--------------------------------------|------|------|--------|
| 25.017 | 164.00 | Annona squamosa (ANSQ) [1.8] | Nos | | |
| 25.018 | 146.00 | Anogeissus latifolia (ANLA) [1.2] | Nos | | |
| 25.019 | 147.00 | Anogeissus pendula (ANPE) [1.2] | Nos | | |
| 25.020 | 22.00 | Anthocephalus cadamba (ANCA) [1.8] | Nos | | |
| 25.021 | 84.00 | Azadirachta indica (AZIN) [2.4] | Nos | | |
| 25.022 | 13.00 | Barringtonia acutangula (BAAC) [1.2] | Nos | | |
| 25.023 | 16.00 | Bauhinia blakeana (BABL) [1.8] | Nos | | |
| 25.024 | 14.00 | Bauhinia racemosa (BARA) [1.8] | Nos | | |
| 25.025 | 6.00 | Bauhinia variegata (BAVA) [1.8] | Nos | | |
| 25.026 | 26.00 | Bombax ceiba (BOCE) [2.4] | Nos | | |
| 25.027 | 262.00 | Boswellia serrata (BOSE) [1.2] | Nos | | |
| 25.028 | 1217.00 | Butea monosperma (BUMO) [1.8] | Nos | | |
| 25.029 | 28.00 | Callistemon lanceolatus (CALA) [1.2] | Nos | | |
| 25.030 | 6.00 | Callistemon viminalis (CAVI) [1.5] | Nos | | |
| 25.031 | 71.00 | Cassia fistula (CAFI) [1.8] | Nos | | |
| 25.032 | 9.00 | Cassia javanica (CAJA) [1.8] | Nos | | |
| 25.033 | 17.00 | Cassia siamea (CASI) [1.8] | Nos | | |
| 25.034 | 6.00 | Cassia spectabilis (CASP) [1.5] | Nos | | |
| 25.035 | 12.00 | Cordia sebastena (COSE) [1.8] | Nos | | |
| 25.036 | 6.00 | Cordia subcordata (COSU) [1.8] | Nos | | |
| 25.037 | 41.00 | Crataeva religiosa (CRRE) [1.8] | Nos | | |
| 25.038 | 7.00 | Dalbergia latifolia (DALA) [1.2] | Nos | | |
| 25.039 | 95.00 | Delonix regia (DERE) [2.4] | Nos | | |
| 25.040 | 29.00 | Erythrina Indica (ERIN) [2.4] | Nos | | |
| 25.041 | 34.00 | Erythrina variegata (ERVA) [2.4] | Nos | | |
| 25.042 | 9.00 | Ficus bengalensis (FIBE) [2.4] | Nos | | |
| 25.043 | 16.00 | Ficus glomerata (FIGL) [2.4] | Nos | | |
| 25.044 | 6.00 | Ficus microcarpa (FIMI) [2.4] | Nos | | |
| 25.045 | 14.00 | Ficus religiosa (FIRE) [2.4] | Nos | | |
| 25.046 | 8.00 | Gmelina arborea (GMAR) [1.8] | Nos | | |
| 25.047 | 27.00 | Hardwickia binata (HABI) [1.8] | Nos | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|---------------------------------------|------|------|--------|
| 25.048 | 38.00 | Holoptelia intergrifolia (HOIN) [2.4] | Nos | | |
| 25.049 | 6.00 | Hymenodictyon excelsum (HYEX) [1.2] | Nos | | |
| 25.050 | 146.00 | Lagerstroemia parviflora (LAPA) [1.8] | Nos | | |
| 25.051 | 80.00 | Lannea coromandelica (LACO) [1.8] | Nos | | |
| 25.052 | 22.00 | Limonia acidissima (LIAC) [1.2] | Nos | | |
| 25.053 | 45.00 | Mangifera indica (MAIN) [2.4] | Nos | | |
| 25.054 | 117.00 | Madhuca longifolia (MALO) [2.4] | Nos | | |
| 25.055 | 30.00 | Manilkara hexandra (MAHE) [2.4] | Nos | | |
| 25.056 | 17.00 | Manilkara zapota (MAZA) [1.8] | Nos | | |
| 25.057 | 37.00 | Millingtonia hortensis (MIHO) [2.4] | Nos | | |
| 25.058 | 38.00 | Miliusa tomentosa (MITO) [1.2] | Nos | | |
| 25.059 | 6.00 | Mitragyna parvifolia (MIPA) [1.8] | Nos | | |
| 25.060 | 7.00 | Morinda tomentosa (MOTO) [1.2] | Nos | | |
| 25.061 | 21.00 | Morus alba (MOAL) [1.8] | Nos | | |
| 25.062 | 26.00 | Nyctanthes arbor-tristis (NYAR) [1.2] | Nos | | |
| 25.063 | 93.00 | Oroxylum indicum (ORIN) [1.2] | Nos | | |
| 25.064 | 60.00 | Peltophorum africanum (PEAF) [2.4] | Nos | | |
| 25.065 | 6.00 | Peltophorum pterocarpum (PEPT) [2.4] | Nos | | |
| 25.066 | 150.00 | Phyllanthus emblica (PHEM/EMOF) [1.5] | Nos | | |
| 25.067 | 216.00 | Pithecellobium dulce (PIDU) [2.4] | Nos | | |
| 25.068 | 14.00 | Plumeria alba (PLAL) [2.4] | Nos | | |
| 25.069 | 33.00 | Plumeria obtusa (PLOB) [2.4] | Nos | | |
| 25.070 | 6.00 | Polyalthia longifolia (POLO) [2.4] | Nos | | |
| 25.071 | 7.00 | Pongamia pinnata (POPI) [2.4] | Nos | | |
| 25.072 | 393.00 | Prosopis cineraria (PRCI) [2.4] | Nos | | |
| 25.073 | 36.00 | Psidium guajava (PSGU) [1.8] | Nos | | |
| 25.074 | 11.00 | Pterospermum acerifolium (PTAC) [1.2] | Nos | | |
| 25.075 | 8.00 | Punica granatum (PUGR) [1.8] | Nos | | |
| 25.076 | 11.00 | Putranjiva roxburghii (PURO) [1.8] | Nos | | |
| 25.077 | 7.00 | Salix tetrasperma (SATE) [1.2] | Nos | | |
| 25.078 | 14.00 | Salvadora persica (SAPE) [1.2] | Nos | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|---|------|------|--------|
| 25.079 | 9.00 | Samanea Saman (SASA) [2.4] | Nos | | |
| 25.080 | 39.00 | Sterculia foetida (STFO) [2.4] | Nos | | |
| 25.081 | 137.00 | Sterculia urens (STUR) [1.2] | Nos | | |
| 25.082 | 78.00 | Syzygium cumini (SYCU) [2.4] | Nos | | |
| 25.083 | 36.00 | Tabebuia argentea (TAAR) [2.4] | Nos | | |
| 25.084 | 23.00 | Tabebuia rosea (TARO) [2.4] | Nos | | |
| 25.085 | 15.00 | Tamarindus indica (TAIN) [2.4] | Nos | | |
| 25.086 | 15.00 | Tectona grandis (TAGR) [1.8] | Nos | | |
| 25.087 | 47.00 | Terminalia arjuna (TEAR) [2.4] | Nos | | |
| 25.088 | 30.00 | Terminalia bellirica (TEBE) [2.4] | Nos | | |
| 25.089 | 23.00 | Terminalia catappa (TECA) [2.4] | Nos | | |
| 25.090 | 99.00 | Wrightia tinctoria (WRTI) [1.8] | Nos | | |
| 25.091 | 409.00 | Ziziphus mauritiana (ZIMA) [1.8] | Nos | | |
| 26.0 | 110.00 | Supply of Palms - well developed, well developed, disease free (Poly bag size - 18"x 18") Palms shall have heights as either 1.2m-1.5m. For single stemmed palms, the clear trunk height shall be atleast 80% of specified height, and stem girth shall be of dimension normally found for palms for the stem height and species specified. Acceptable tolerances to variations in stem height shall be +200mm or -200mm from the height specified in the Bills of Quantities. The heads of palms shall be well balanced with at least 7 leaves and a healthy growing apical shoot all free from pest and disease. Rootball dimensions shall be 450mm diameter x 450mm depth. Supply shall include labour & equipment cost of loading, unloading, transport to site, storage & stacking within site in area protected from dust using temporary agronet, watering & maintenance at stacking area until planted as directed by EIC Botanical Name (CODE) [Height metres] Areca catechu | Nos | | |
| 26.001 | 286.00 | Bismarckia nobilis | Nos | | |
| 26.002 | 52.00 | Borassus flabellifer | Nos | | |
| 26.003 | 255.00 | Caryota urens | Nos | | |
| 26.004 | 93.00 | Dyopsis lutescens | Nos | | |
| 26.005 | 28.00 | Licuala grandis | Nos | | |
| 26.006 | 74.00 | Livistona chinensis | Nos | | |
| 26.007 | 145.00 | Phoenix sylvestris | Nos | | |
| 26.008 | 296.00 | Rhapis excelsa | Nos | | |
| 26.009 | 26.00 | Rhapis humilis | Nos | | |
| 26.010 | 463.00 | Rhapis subtilis | Nos | | |
| 26.011 | 108.00 | Thrinax parviflora | Nos | | |
| 26.012 | 2.00 | Ravenala madagascariensis (RAMA) [1.2-1.5m] | Nos | | |
| 26.013 | 42.00 | Chamaedorea Elegans (CHEL) [1.2-1.5m] | Nos | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|--|------|------|--------|
| 27.0 | 3260.00 | Supply of Ground covers / creepers - well developed, min. 0.15m high, in polybag of 5"x7" size, disease free. All groundcover species shall be evenly balanced to allow equal growth in all directions. Plants shall have fully developed roots and leaves. Rooted cuttings will not be accepted. All plants to be container grown. Supply shall include labour & equipment cost of loading, unloading, transport to site, storage & stacking within site in area protected from dust using temporary agronet, watering & maintenance at stacking area until planted as directed by EIC Botanical Name (CODE) [Height metres] Clerodendrum inerme (CLIN) [0.6] | Nos | | |
| 27.001 | 2365.00 | Combretum indicum (COIN) [0.6] | Nos | | |
| 27.002 | 3913.00 | Ipomea batata (IPBA) [0.6] | Nos | | |
| 27.003 | 2068.00 | Ipomea carnea (IPCA) [0.6] | Nos | | |
| 27.004 | 2068.00 | Ipomea palmata (IPPA) [0.6] | Nos | | |
| 27.005 | 2299.00 | Ipomea violacea (IPVI) [0.6] | Nos | | |
| 27.006 | 95.00 | Lantana camera (LACA) [0.3] | Nos | | |
| 27.007 | 33.00 | Lantana camera mixta (LACA.M) [0.3] | Nos | | |
| 27.008 | 28.00 | Lantana camera Nivea (LACA.N) [0.3] | Nos | | |
| 27.009 | 55.00 | Lantana camera Sanguinea (LACA.S) [0.3] | Nos | | |
| 27.010 | 39.00 | Lantana involucrata White Large (LAIN.W) [0.3] | Nos | | |
| 27.011 | 740.00 | Lantana purple (LAPU) [0.3] | Nos | | |
| 27.012 | 44.00 | Lantana sellowiana (LASE) [0.3] | Nos | | |
| 27.013 | 33.00 | Lantana yellow (LAYE) [0.3] | Nos | | |
| 27.014 | 3671.00 | Quisqualis indica (QUIN) [0.6] | Nos | | |
| 27.015 | 3156.00 | Senecio confusus (SECO) [0.6] | Nos | | |
| 27.016 | 1538.00 | Vernonia elaeagnifolia (VEEL) [0.6] | Nos | | |
| 27.017 | 405.00 | Wedelia trilobata (WETR) [0.3] | Nos | | |
| 27.018 | 41.00 | Monstera Deliciosa (MODE) [0.3m] | Nos | | |
| 27.019 | 247.00 | Ophiopogon jaburan (OPJA) [0.15m] | Nos | | |
| 27.020 | 61.00 | Ophiopogon Nigrum (OPNI) [0.15m] | Nos | | |
| 28.0 | 53907.00 | Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserviceable material's as per direction of officer in charge (excluding cost of plant & water) Item includes all royalty, equipment, labour, loading, unloading, and carriage upto any lead & lift required as directed by EIC - SHRUBS plant | Nos | | |
| 29.0 | 7722.00 | Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserviceable material's as per direction of officer in charge (excluding cost of plant & water) Item includes all royalty, equipment, labour, loading, unloading, and carriage upto any lead & lift required as directed by EIC - TREES plant | Nos | | |
| 30.0 | 50.00 | Providing & laying exposed Precast Glass fiber reinforcement concrete with 6MPa Tensile Strength, 30 mm Thk (Recommended for Furniture in Public Use) Planter and lifting to all heights & erecting and placing in its final position complete in all respect as per the approved drawings and as directed by engineer in charge. The rates includes the cost of admixtures & necessary equipment's for precasting of panel, curing tanks/curing of precast panel by means of water sprinklers/steam curing etc., cost of providing and maintaining living tools, tackles and necessary cranes/hoists etc.(For Approximate size of Planter up to 1.00 (L) x 0.60 (W) x 0.35 (H) x 0.03(Thickness)) | Nos | | |
| 31.0 | 1779.00 | Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25 mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hollock wood in scantling of section 50X25 mm, fixed with nails and G.I wire on existing support complete as per direction of Engineer-in-charge, for running creepers | Sqm | | |
| 32.0 | 5414.00 | Supply and Grassing with Vettiver grass at 9 Slips per Sq mt in grid spacing in between coir geotextile including watering and maintenance for the slope stabilization for 180 days or more till the grass forms a thicket, sapling with atleast 5-6 blades / leaves & well developed root system, in 4"x5" polybag, disease free, and development including excavation upto 150mm deep where required, including all royalty, equipment, labour, loading, unloading, and carriage upto any lead & lift required as directed by Engineer-in-Charge | Sqm | | |

| Sr. No. | Quantity | Description | Unit | Rate | Amount |
|---------|----------|---|-------|------|--------|
| 33.0 | 277.00 | Preparation of mounds of various size and shape by available excavated / supplied earth in layers not exceeding 20 cm in depth, breaking clods, watering of each layer, dressing etc., lead upto 50 meter and lift upto 1.5 m complete as per direction of Officer-in-charge. Details of cost for 10 cum | Cum | | |
| 34.0 | 54.00 | Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes vertically in tree-pits complete as directed by EIC including supply of all material, labour and equipment upto any lead and lift, 900mm dia RCC pipe | Nos | | |
| 35.0 | 206.00 | Supply and application of Geosynthetic Drainage with two filtering nonwoven geotextiles having a "W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75mm having pores of 150 micron and tensile strength of 8.0 kN/m and having plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure, tensile strength of 18 kN/m, with mass per unit area of 740 gsm, as per drawing and directed by EIC. Item includes all royalty, equipment, labour, loading, unloading, and carriage upto any lead & lift required as directed by EIC | Sqm | | |
| 36.0 | 11911.00 | Supply and Installation of GeoGrid of approved make comprising of biaxial geogrids manufactured from select grades of high tenacity, high molecular weight, and low carboxyl end group polyester yarn to ensure high strengths, low creep and excellent durability. The yarns are formed into a dimensionally stable grid structure with uniform apertures, using an advanced weft insertion warp knitting process and are then given a tough and durable polymeric coating to enhance dimensional stability, resistance to installation damage and durability. GeoGrid with maximum aperture / opening size 40mmx40mm, tensile strength 60 x 60 KN/m each direction, maximum elongation 15%, & including installation as directed by EIC. | Sqm | | |
| 37.0 | 500.00 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes SDR 11, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. for External work (a) 25 mm dia | meter | | |
| 38.0 | 100.00 | (b) 20 mm dia | meter | | |
| 39.0 | 40.00 | Providing and fixing Gun metal gate valve/garden hose ball valve with lever handle of approved quality (screwed end). Conforming to Manufacturers Standards. The installation shall be to the satisfaction of the Engineer in Charge. (a) 25 mm dia | Nos | | |
| 40.0 | 1.00 | Complete maintenance of the plantation area i.e. lawn trees, shrubs, hedge, flower beds, foliage, creepers etc. including hoeing, weeding, pruning, replacement of plants, gap filling, watering, mowing of lawn, grass cutting by lawn mower and brush cutter, removal of garden waste, applying insecticide, pesticide & fertilizers (whenever required) top dressing of lawn with good earth and manure and maintenance of other garden related works as directed by EIC / Institute. This item shall be operated only after complete campus horticultural development and all plants have survived their development period or completion of defect liability period. This item shall be renewable on annual basis after completion of first year of maintenance, and institute shall have right to deny renewal without assigning any reason whatsoever. (a) For first year | Lum | | |
| 41.0 | 1.00 | (b) For second year | Lum | | |
| 42.0 | 1.00 | (c) For third year | Lum | | |
| 43.0 | 1.00 | (d) For fourth year | Lum | | |
| 44.0 | 1.00 | (e) For fifth year | Lum | | |
| | | Total Amount of work | | | |