Tender Inviting Authority: Indian Institute of Management, Udaipur

Name of Work: Landscape (Softscape) works for Phase 1A for Propsed Permnanent Campus at Village Balicha, Udaipur, Rajasthan

Tender Ref no. IIMU/Landscpaing works/2017-18/02/1

		GS <sup>-</sup>	T as applicab	plicable shall be extra			
Item No.	Description	Unit	Quantity	Rate	Amount		
1	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 pit with mixture of good soil and farm yard manure after mixing it in 2:1 proportion (2 parts of good soil : 1 part of farm yard manure), 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 (cost of farm yard manure and good earth to be paid for separately) Item includes all royalty, equipment, labour, loading, unloading, and carriage upto any lead & lift required as directed by EIC	Cum	415.00	-	-		
2	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	Each	23.00	-	-		
3	Grassing with selection Zoysia japonica 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. In rows 10 cm apart in both directions	Sqm	141.00	-	-		
4	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	514.00	-	-		
5	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	514.00	-	-		

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		GST	as applicab	le shall be	extra
Item No.	Description	Unit	Quantity	Rate	Amount
6	Supplying and stacking of good earth at site (earth measured in stacks will be reduced by 20% for payment). Good earth shall consist of a free draining organic soil from horizons less that 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%. Item includes all royalty, equipment, labour, loading, unloading, and carriage upto any lead & lift required for supply and stacking of good earth.	Cum	721.00	-	-
7	Supplying and stacking of well decayed cow dung manure (cattle manure measured in stacks will 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 EIC. Item includes all royalty, equipment, labour, loading, unloading, and carriage upto any lead & lift required for supply and stacking of good earth.	Cum	309.00	-	-
8	Complete maintenance of the plantation area i.e. lawn trees, shrubs, hedge, flower beds, foliages, creepers etc. including hoeing, weeding pruning replacement of plants, gap filling, watering, mowing of lawn, grass cutting by lawn mover 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 (Cost of Good Earth, Manure, Fertilizer, Insecticide, Pesticide, will be provided by the Institution & other T & P material/articles shall be provided by the contractor, as per yard stick 1Mali per acre (5 years)	per sqm per month	89,900.00	-	-

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		GST	as applicab	le shall be	extra
Item No.	Description	Unit	Quantity	Rate	Amount
9	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	Each	350.00	-	-
10	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	54.00	-	-
11	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	each			
12	AGCM - Aglaonema commutatum 0.45m	each	214.00	-	-
13	AGCM.T - Aglaonema commutatum Treubii 0.45m	each	50.00	-	-
	AGCR - aglaonema Crispum 0.45m	each	69.00	-	-
15	AGCR.K - glaonema Crispum Katyal 0.45m	each	98.00	-	-
	AGEA.H - Aglaonema earnesto hybrid 0.45m	each	37.00	-	-
	AGNI - Aglaonema nitidum 0.45m	each	29.00	-	-
	ALCA - Allamanda cathartica 0.6m	each	11.00	-	-
19	ALLW.H - Alocasia lowii Hybrid 0.6m	each	48.00	-	-

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		GS	Tas applicab	le shall be	extra
Item No.	Description	Unit	Quantity	Rate	Amount
20	ALMA - Alocasia macrorrhiza 0.6m	each	61.00	-	-
21	ALNE - Allamanda nerifolia 0.6m	each	53.00	-	-
22	ALSD - Alpinia Sandarae 0.6m	each	73.00	-	-
23	ALZE.V - Alpinia Zerumbet variegata 0.6m	each	33.00	-	-
24	ALZR - Alpinia Zerumbet 0.6m	each	580.00	-	-
25	ANAG - Angelonia angustifolia 0.3m	each	195.00	-	-
26	ANGR - Angelonia grandiflora 0.3m	each	128.00	-	-
27	ANVE - Anthurium Veitchii 0.45m	each	73.00	-	-
28	ANWA - Anthurium Wardcqueanum 0.45m	each	31.00	-	-
29	CRME - Crinum menehune 0.6m	each	151.00	-	-
30	DIAM - Dieffenbachia amoena 0.6m	each	91.00	-	-
31	DIHI - Dieffenbachia Hicolor 0.6m	each	81.00	-	-
32	DIJU - Dieffenbachia jupiter 0.6m	each	79.00	-	-
33	DIMA - Dieffenbachia maculata 0.6m	each	223.00	-	-
34	DIVN - Dieffenbachia Venus 0.6m	each	270.00	-	-
35	DIVS - Dieffenbachia Vesuvius 0.6m	each	72.00	-	-
36	DIWI - Dieffenbachia wilsons delight 0.6m	each	279.00	-	-
37	FIBL - Ficus blackii 0.6m	each	39.00	-	-
38	FIPA - Ficus panda 0.6m	each	39.00	-	-
39	HEBI - Heliconia bihai 0.75m	each	157.00	-	-
40	HECA - Heliconia caribaea 0.75m	each	22.00	-	-
41	HECA.R - Heliconia caribaea big red 0.75m	each	32.00	-	-
42	HEME - Heliconia Metallica 0.75m	each	171.00	-	-
43	HYLI - Hymenocallis littoralis 0.45m	each	455.00	-	-
44	IXCH - Ixora chinensis 0.6m	each	42.00	-	-

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		GS	GST as applicable shall be extra				
Item No.	Description	Unit	Quantity	Rate	Amount		
45	IXCH.R - Ixora chinensis red 0.6m	each	60.00	-	-		
46	IXCH.Y - Ixora chinensis Yellow 0.6m	each	59.00	-	-		
47	IXCO - Ixora coccinea 0.6m	each	38.00	-	-		
48	IXLU - Ixora Lutea 0.6m	each	39.00	-	-		
49	JAIN - Jatropha integerrima 0.6m	each	65.00	-	-		
50	MABI - Maranta Bicolor 0.6m	each	131.00	-	-		
51	PHBI - Philodendron bipinnatifidum 0.3m	each	55.00	-	-		
52	PHCE - Philodendron Ceylon Gold 0.3m	each	114.00	-	-		
53	PHDO - Philodendron Domesticum Variegatum 0.3m	each	120.00	-	-		
54	PHEL - Philodendron elegans (dark) 0.3m	each	99.00	-	-		
55	PHPI - Philodendron Pink Princess 0.3m	each	113.00	-	-		
56	PHPT - Philodendron Pittieri 0.3m	each	22.00	-	-		
57	SCAR - Schefflera arboricola 0.6m	each	226.00	-	-		
58	STSA - Stromanthe sanguinea 0.3m	each	108.00	-	-		
59	TADI - Tabernaemontana divaricata 0.6m	each	26.00	-	-		
60	TECA - Tecomeria capensis 0.6m	each	63.00	-	-		
61	TEST - Tecoma stans 0.6m	each	24.00	-	-		
62							

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		GST	T as applicable shall be extra		
tem No.	Description	Unit	Quantity	Rate	Amount
63	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	each			
64	PLOB - Plumeria obtusa 1.5m	each	3.00	-	
65	BOCE - Bombax ceiba 3m	each	6.00	-	
66	CALA - Callistemon lanceolatus 2m	each	4.00	-	
67	PLOB - Plumeria obtusa 1.5m	each	10.00	-	
68					_

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		GST	as applicab	le shall be	extra
Item No.	Description	Unit	Quantity	Rate	Amount
69	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				
70	Ravenala madagascariensis 1.2-1.5m	each	2.00	-	-
71	CHEL - Chamaedorea Elegans 1.2-1.5m	each	42.00	-	-
72	DYLU - Dypsis lutescens 1.2-1.5m	each	41.00	-	-
73	RHEX - Rhaphis excelsa 1.2-1.5m	each	81.00	-	-
74	RHHU - Rhaphis humilis 1.2-1.5m	each	15.00	-	-
75	RHSU - Rhaphis subtilis 1.2-1.5m	each	146.00	-	-
76					
77	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				
78	MODE - Monstera Deliciosa 0.3m	each	41.00		
79	OPJA - Ophiopogon jaburan 0.15m	each	247.00	-	-
80	OPNI - Ophiopogon Nigrum 0.15m	each	61.00	-	-

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		GS	T as applicab	le shall be extr	extra
Item No.	Description	Unit	Quantity	Rate	Amount
81	RHSP.V - Rhoeo spathacea compacta Variegata 0.3m	each	130.00	-	-
82	SATR - Sansevieria trifasciata 0.3m	each	27.00	-	-
83	SATR - Sansevieria trifasciata 0.3m	each	141.00	-	1
84	SATR.G - Sansevieria trifasciata Golden hahnii 0.3m	each	73.00	-	1
85	VEEL - Vernonia elaeagnifolia 0.3m	each	84.00	-	1
86	WETR - Wedelia trilobata 0.3m	each	405.00	-	1
87					
88	Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserveiceable 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	each	6,557.00	1	
89	Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserveiceable 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	350.00		-
90	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	206.48	-	-
91	Supply and installation of Fibreglass planters of size 1.0m long x 0.45m wide x 0.35m high, design as approved by Design Consultant. Item includes all royalty, equipment, labour, loading, unloading, and carriage upto any lead & lift required as directed by EIC	nos	50.00	-	-

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		GST as applicable shall be extra				
Item No.	Description	Unit	Quantity	Rate	Amount	
92	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-incharge, for running creepers	sqm	8.00	-	-	
	TOTAL				-	
	GST as applicable	percent		-	-	
	Grand Total including GST				-	