

Ref : PTS-QTN2024-Q003-L-002  
Date : 27 May 2024  
Project : **Damac Lagoons Portofino (Streetscape)**  
Attention : **Mr. Menon P. S. - Senior Director Commercial**  
Subject : **Technical & Financial Proposal for Landscaping Works for Damac Lagoons Portofino (Streetscape)**

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Dear Sir,

Reference is made based on the above mentioned subject, kindly find enclosed our revised Technical and Commerical offer for Damac Lagoons Portofino (Streetscape) Landscaping Works for your kind consideration.

Hoping that above proposal meets with your requirements, we would like to thank you once again for your confidence in our services & we will be waiting for your valuable feedback.

For any clarification, please do not hesitate to contact us.

For and on behalf of  
**Phoenician Technical Services L.L.C.**





# PHOENICIAN

TOMORROW'S LANDSCAPING, TODAY.

GENERAL CONTRACTING | LANDSCAPING | LEISURE POOLS | SWIMMING POOLS | WATER BODIES | WATER FEATURES

TECHNICAL AND FINANCIAL PROPOSAL FOR  
**LANDSCAPE PACKAGE**

PROJECT:

DAMAC LAGOONS PORTOFINO (STREETSCAPE)

SUBMITTED TO:

**DAMAC**

PTS-UAE-DXB-Q2024-003 Rev 1  
27-May-2024

DAMAC LAGOONS, DUBAI - UAE  
Portofino - Landscaping & Irrigation

**SECTION E - GRAND SUMMARY**



<u>BILL NO.</u>	<u>DESCRIPTION</u>	<u>PAGE NO.</u>	<u>AMOUNT (AED)</u>
<u>Section D :</u> D/1	<u>Work Items</u> GENERAL REQUIREMENT	D/1/7	321,750.00
D/2	HARDSCAPING & SOFTSCAPING WORKS: STREETSCAPE	D/2/9	7,516,442.00
D/3	SECONDARY IRRIGATION WORKS	D/3/5	1,061,808.00
	<b>Total :</b>  ADJUSTMENT ITEM (If any) Add/Deduct (delete as necessary)..... %		8,900,000.00
	<b>Grand Total Amount</b>	AED	<b>8,900,000.00</b>
	<b><u>Grand Total Amount Carried to Form of Tender</u></b>	AED	_____
Amount in words : AED:			

# BILL 1

## GENERAL REQUIREMENTS

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**PHOENICIAN TECHNICAL SERVICES LLC**  
OFFICE 399 CENTRAL PLAZA, DIP-1, DUBAI, UAE  
P.O.BOX: 377972 - DUBAI  
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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 01 - GENERAL REQUIREMENTS</b>				
1.1	<b><u>PRELIMINARIES</u></b>				
1.1.1	<b><u>General Notes on Preliminaries</u></b>				
1.1.1.1	These Preliminaries are applicable to (the whole of the Works and associated works. Each clause or sub clause must be individually priced. Where any item, clause or sub clause of the Preliminaries has not been priced, it will be deemed that the value of such item, clause or sub-clause is included in the rates for measured item elsewhere in the Bill of Quantities.  All items in this Bill shall be read with the project drawings and specifications as may be appropriate and priced accordingly. The Contractor to list and price for all costs associated with compliance with the Conditions of Contract Part I and Part II and not covered elsewhere. The Contractor shall describe and price any obligations contained in the Specification, Preambles, Drawing and any other tender documents for which allowance has not been made elsewhere.  The Contractor to list and price for all costs associated with compliance with the Conditions of Contract Part I and Part II and not covered elsewhere. The use of the site is restricted to the implementation of the Works as specified. Refer to Clause 42.1 of Conditions of Contract Provide for limitations to working space as specified & Refer to Clause 45.1 of Conditions of Contract restriction on working hrs. Provide for execution or completion of work in specific order, sections or phases as specified. The Contractor shall allow for compliance with all Local Authority and/or Municipal requirements				241,750.00
1.2	<b>The contractor shall allow for all necessary constructional plant including:</b>				
1.2.1	<b>Construction Plant, Tools &amp; Machinery</b>				
1.2.1.1	Provide sufficient and necessary Cranes, Lifting equipment and small plant, power tools and tools				
1.2.1.1.1	Establishment	1	Item		INCLUDED
1.2.1.1.2	Maintenance	365	Days		INCLUDED
1.2.1.1.3	Removal and making good site	1	Item		INCLUDED
1.2.2	<b>Scaffolding</b>				
1.2.2.1	Provide sufficient and necessary scaffolding				
1.2.2.1.1	Establishment	1	Item		INCLUDED
1.2.2.1.2	Maintenance	365	Days		INCLUDED
1.2.2.1.3	Removal and making good site	1	Item		INCLUDED
<b>CARRIED TO PART SUMMARY</b>				AED	241,750.00

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 01 - GENERAL REQUIREMENTS</b>				
1.2.3	<b>Maintenance of existing services on, under or over the site</b>				
1.2.3.1	Provide for maintenance of existing services as specified	1	Item		INCLUDED
1.2.4	<b>Performance security</b>				
1.2.4.1	Performance security in accordance with conditions of contract, clause 10	1	Item		Not Applicable (To be security cheque)
1.2.5	<b>Advance payment guarantee</b>				
1.2.5.1	Advance payment security as may be required by the employer	1	Item		Not Applicable (To be security cheque)
1.2.6	<b>Insurances</b>				
1.2.6.1	Contractor's all risk insurance.	1	Item		INCLUDED
1.2.6.2	Third party liability insurance	1	Item		INCLUDED
1.2.6.3	Workmen compensation insurance	1	Item		INCLUDED
1.2.6.4	Contractor's Equipment and machinery insurance	1	Item		INCLUDED
1.2.6.5	Any other Insurance required to be obtained by the contractor , as per the Conditions of the Contract .	1	Item		NOTED
1.2.7	<b>Office and Buildings</b>				
1.2.7.1	Provide Office and buildings, including offices compounds, stores, mess rooms, laboratories and the like for the use of Contractor's staff and personnel				
1.2.7.1.1	Establishment	1	Item		INCLUDED
1.2.7.1.2	Maintenance	365	Days		INCLUDED
1.2.7.1.3	Removal and making good site	1	Item		INCLUDED
1.2.8	<b>Site fencing, Hoardings &amp; Sign Boards, etc.</b>				
1.2.8.1	Provide and maintain site fencing, hoardings, screens, roofs, guardrails, signboards, etc. enclosing the site during the construction period and as per the drawings and specifications.				
1.2.8.1.1	Establishment	1	Item		BY OTHERS
1.2.8.1.2	Maintenance	365	Days		BY OTHERS
1.2.8.1.3	Removal and making good site	1	Item		BY OTHERS
<b>CARRIED TO PART SUMMARY</b>				AED	0.00

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 01 - GENERAL REQUIREMENTS</b>				
<hr/>					
1.3	<b>Contractor's administrative arrangements</b>				
1.3.1	<b>Site administration</b>				
1.3.1.1	Provide sufficient staff and equipment to perform the administrative duties in executing the contract	365	Days		INCLUDED
1.3.2	<b>Site supervision</b>				
1.3.2.1	Full time supervision by the contractor	365	Days		INCLUDED
1.3.3	<b>Security</b>				
1.3.3.1	Protect the site and works from unauthorized entry and fire and control the labour force to prevent nuisance or trespass onto adjacent property	365	Days		BY OTHERS
1.3.4	<b>Safety, health and welfare</b>				
1.3.4.1	Compliance with all acts, orders, laws and regulations concerning the safety, health or welfare of work people.	1	Item		INCLUDED
1.3.5	<b>Transport of workpeople</b>				
1.3.5.1	The contractor shall make all necessary arrangements for the transport of his own, and his sub-contractor's employees for the duration of the works.	365	Days		INCLUDED
1.3.6	<b>Temporary roads, hardstandings and crossing</b>				
1.3.6.1	Provide and maintain temporary roads, hardstandings, crossings, etc. as may be required during the construction period and as per the drawings and specifications.				
1.3.6.1.1	Establishment	1	Item		INCLUDED
1.3.6.1.2	Maintenance	365	Days		INCLUDED
1.3.6.1.3	Removal and making good site	1	Item		INCLUDED
1.3.7	<b>Traffic Diversion Regulations</b>				
1.3.7.1	Provide all temporary works, maintain public and private roads, traffic control signals, signs, marking and lighting required throughout the site. Co-ordination with service authorities and execution of the works necessary for services cut-off or diversion.	1	Item		BY OTHERS
1.3.8	<b>Protecting and drying of work,</b>				
1.3.8.1	The contractor shall protect the work from inclement weather, theft, falling of objects from height and shall provide drying of works during construction, also to maintain level of humidity complying to local authorities.	1	Item		INCLUDED
<hr/> <b>CARRIED TO PART SUMMARY</b>				AED	0.00

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 01 - GENERAL REQUIREMENTS</b>				
1.3.9	<b>Water for the works</b>  Supply clean water for the Works and for the use of his staff and pay all fees and costs for connection and consumption.				
1.3.9.1	Establishment	1	Item		INCLUDED
1.3.9.1.1	Maintenance	365	Days		INCLUDED
1.3.9.1.2	Removal and making good site	1	Item		INCLUDED
1.3.9.2	<b>TSE water supply</b>  Provision of TSE supply and related arrangements (pumps, water tank etc.) during Construction.	1	Item		80,000.00
1.3.9.2.1	Provision of TSE supply and related arrangements (pumps, water tank etc.) during 1 Year Maintenance Time	1	Item	Shall be paid based on actual works done, remeasured on daily basis according to the quantity of water delivered to site (water tankers) man powers, actual cost of establishment of facility (pumps, tanks), generator, diesel, others	
1.3.10	<b>Lighting and power for the works</b>  Supply lighting and power for the works and pay all fees for connection and consumption.				
1.3.10.1	Establishment	1	Item		INCLUDED
1.3.10.1.1	Maintenance	365	Days		INCLUDED
1.3.10.1.2	Removal and making good site	1	Item		INCLUDED
1.3.11	<b>Setting out</b>  Setting out of the works	1	Item		INCLUDED
1.3.11.1	Progress report  Preconstruction, progress and final completion construction photographs as specified Provide progress reports as specified Provide construction progress documentation as specified	1	Item		INCLUDED
1.3.12	<b>Shop drawings</b>  The Contractor shall provide "Shop Drawings" as specified and requirements.	1	Item		INCLUDED
1.3.12.1	As built drawings  The Contractor shall provide "AS BUILT" drawings as specified, As built survey from third party to be provided as per authorities requirements	1	Item		INCLUDED
1.3.13	<b>Operation and maintenance manuals</b>  Operation and maintenance manuals as specified	1	Item		INCLUDED
1.3.13.1	<b>Warranties</b>  Provision of warranties as specified	1	Item		INCLUDED
1.3.14					
1.3.14.1					
1.3.15					
1.3.15.1					
1.3.16					
1.3.16.1					
<b>CARRIED TO PART SUMMARY</b>				AED	80,000.00

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 01 - GENERAL REQUIREMENTS</b>				
1.4	<b>Employer's and engineer's facilities</b>				
1.4.1	Provide the following facilities for the Employer's or the Employer's representatives and Engineer office				
1.4.1.1	Establish and maintain Office for the exclusive use of the Engineer and his Representatives as specified in the drawings and specifications. <b>(ONLY FOR ENGINEER)</b>				
1.4.1.1.1	Establishment	1	Item		
1.4.1.1.2	Maintenance	365	Days		
1.4.1.1.3	Removal and making good site	1	Item	Included Upto Completion of Other Package such as Parcel 1, Community Center and Gate House	
1.4.2	<b>Attendance of staff</b>				
1.4.2.1	Provide office attendant / tea boy / cleaner for the sole use of the engineer / his representative as specified.	365	Days		
1.4.3	<b>Computers, printers, etc.</b>				
1.4.3.1	Provide computers, printers, scanners, cameras, software, licences, servers, high speed broadband internet, wi-fi all as specified : All software shall be the latest version, with training and maintenance provided for the duration of the Project. The software shall be licensed in the name of the Employer and shall be handed over to the Employer upon completion of the Project together with a complete backup of project data.				
1.4.3.1.1	Establishment	1	Item		
1.4.3.1.2	Maintenance	365	Days	Included Upto Completion of Other Package such as Parcel 1, Community Center and Gate House	
1.4.3.1.3	Removal of hardware and making good site	1	Item		
1.4.4	<b>Carports</b>				
1.4.4.1	Provide covered car ports as specified				
1.4.4.1.1	Establishment	1	Item		
1.4.4.1.2	Maintenance	365	Days		
1.4.4.1.3	Removal and making good site	1	Item	Included Upto Completion of Other Package such as Parcel 1, Community Center and Gate House	
1.4.5	<b>Vehicle</b>				
1.4.5.1	The Contractor shall provide Type A&B (each 1 no)air conditioned vehicle for the use of Engineer / Employer, including fuel and maintenance	365	Days		
<b>CARRIED TO PART SUMMARY</b>				AED	0.00

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 01 - GENERAL REQUIREMENTS</b>				
1.5	<b>Sundry items</b>  <b>Provide the following sundry items</b>  <b>Testing of materials</b>  The Contractor shall allow for all tests required to be carried out including providing all necessary materials and samples, dedicated driver and car to be included for the sole use of Engineer/Client to transfer documents to/from various dept.	1	Item		INCLUDED
1.5.1.1	<b>Damac site procedures manual (volume 5)</b>  The contractor is to allow in his tender for carrying out all procedures for project administration in compliance with the damac site procedures manual.	1	Item		INCLUDED
1.5.1.2	<b>Applying quality control procedures</b>  The contractor shall assist the Employer with his/her best endeavors to obtain the Building Permit including but not limited by submitting all necessary documents and applications to authority body (any deposit in relation to this shall be paid or repaid by Employer).	1	Item		INCLUDED
1.5.1.3	<b>Green building regulations</b>  The Contractor shall allow for all necessary administrative arrangements for Green Building Regulations	1	Item		INCLUDED
1.5.1.3.1	The Contractor shall include CCTV camera's provision during construction as per Dubai Police Requirements and Regulations	1	Item		INCLUDED
1.5.1.3.2	The Contractor should make sure during the coarse of construction to maintain site sanitation and cleaning, further prior to handover a deep cleaning to be done to the satisfaction of Engineer and Client.	1	Item		INCLUDED
1.5.1.3.3	The Contractor shall describe and price hereunder any Items shown on the drawings, mentioned in the Specifications, or required for the satisfactory completion of this section, not mentioned herein. Any such Items not listed below shall be deemed to be included. (CONTRACTOR SHALL SPECIFY THE ADDITIONAL ITEM ALONG WITH BREAK DOWN)	1	Item		INCLUDED
1.5.1.3.4					NOT APPLICABLE (REMEASURABLE CONTRACT)
<b>CARRIED TO PART SUMMARY</b>				AED	0.00

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 01 - GENERAL REQUIREMENTS				
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	<b>PART SUMMARY</b>				
	D1/Page 1				241,750.00
	D1/Page 2				0.00
	D1/Page 3				0.00
	D1/Page 4				80,000.00
	D1/Page 5				0.00
	D1/Page 6				0.00
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CARRIED TO GRAND SUMMARY				AED	321,750.00

# BILL 2

## HARD AND SOFT LANDSCAPING

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**PHOENICIAN TECHNICAL SERVICES LLC**  
OFFICE 399 CENTRAL PLAZA, DIP-1, DUBAI, UAE  
P.O.BOX: 377972 - DUBAI  
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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 02 - HARDSCAPING &amp; SOFTSCAPING WORKS</b>				
2.1	<b><u>Earthworks</u></b>				
2.1.1	Filling with imported material (material stockpile from Damac Lagoons-Portofino project area)-Provisional item	500	m3	10.00	5,000.00
2.1.2	Excavation for cuttings in material other than top soil, rock or artificial hard material- For Cut-Provisional item	14,930	m3	8.00	119,440.00
2.1.3	Disposal of unsuitable excavated material to approved tip. (Including haulage)-Provisional item	1,500	m3	18.00	27,000.00
2.1.4	Filling of excavated selected materials other than top soil or rock- Provisional item	2,000	m3	20.00	40,000.00
2.2	<b><u>Hard landscaping</u></b>				
2.2.1	<b><u>Sub Grade</u></b>				
2.2.1.1	<b><u>Compacted Sub-grade to receive pavings and surfacing, complete as shown on the drawings and specifications</u></b>				
2.2.1.1.1	500mm thick proposed Existing subgrade layer with soaked CBR>15%MDD (Provisional)	1,000	m2	4.00	4,000.00
2.2.1.1.2	Proposed Existing subgrade with soaked CBR>15% (provisional)	500	m2	4.00	2,000.00
2.2.2	<b><u>Sub Bases</u></b>				
2.2.2.1	<b><u>Compacted Sub-base to receive pavings and surfacing, complete as shown on the drawings and specifications</u></b>				
2.2.2.1.1	150mm thick Aggregate Subbase layer with CBR>30% - For 60 mm Paver	8,375	m2	17.00	142,375.00
2.2.2.1.2	150mm thick Aggregate Subbase layer with CBR>30% - For 80 mm Paver	26,195	m2	17.00	445,315.00
2.2.2.1.3	220mm thick Aggregate base layer with CBR>80% - For 80 mm Paver	26,195	m2	22.00	576,290.00
2.2.3	<b><u>Concrete Base</u></b>				
2.2.3.1	<b><u>Concrete base to receive pavings and surfacing, complete as shown on the drawings and specifications</u></b>				
2.2.3.1.1	Approx:185mm thick	2,705	m2	99.00	267,795.00
<b>CARRIED TO PART SUMMARY</b>				AED	<b>1,629,215.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 02 - HARDSCAPING & SOFTSCAPING WORKS				

2.2.4	<b>Pavings, Band &amp; Edgings</b>				
2.2.4.1	Bands & Edgings				
2.2.4.1.1	<b>Pre-cast paving bands bedded on mortar bed with grouted joints as per drawing and specifications.</b>				
2.2.4.1.1.1	150mm Wide Band, Ref: PB5-80mm thick	13,460	m	30.00	403,800.00
2.2.4.1.1.2	150mm Wide Band, Ref: PB5A-60mm thick	4,290	m	30.00	128,700.00
2.2.4.1.1.3	200mm Wide Band, Ref: PB10-60mm thick	210	m	35.00	7,350.00
CARRIED TO PART SUMMARY					
				AED	539,850.00

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 02 - HARDSCAPING & SOFTSCAPING WORKS				
2.2.5	<u>80mm Precast concrete paver Block bedded on 40mm thick sand bed with joints filled as per drawing and specifications.</u>				
2.2.5.1	Paving, Ref: P2B-200x200x80mm thick	26,195	m2	80.00	2,095,600.00
2.2.6	<u>60mm Precast concrete paver Block bedded on 40mm thick sand bed with joints filled as per drawing and specifications.</u>				
2.2.6.1	Paving, Ref: P2A-200x200x60mm thick	4,205	m2	81.00	340,605.00
2.2.6.2	Paving, Ref: P3-200x200x60mm thick	1,685	m2	78.00	131,430.00
2.2.6.3	Paving, Ref: P4-200x200x60mm thick	2,345	m2	81.00	189,945.00
2.2.6.4	Paving, Ref: P11-400x400x60mm thick, 400x200x60mm thick	140	m2	118.00	16,520.00
2.2.7	<u>Supply and fixing of Geotextile membrane as per drawing and specifications.</u>				
2.2.7.1	For Paving, Ref: For P1-GEOTEXTILE membrane,(IF GWL<1.3m Below sub base)	34,570	m2	3.00	103,710.00
2.2.8	<u>Supply &amp; fixing of geotextile fabric complete as per drawing and specifications.</u>				
2.2.8.1	Geo textile fabric	155	m2	11.00	1,705.00
2.2.9	<u>200X200X60mm Tactile paving for Pedestrian crossing bedded on 40mm sand bed with 150 mm thick sub base layer , joints filled complete as per drawing and specifications.</u>				
2.2.9.1	Tactile Paving, Ref: TP	80	m2	92.00	7,360.00
CARRIED TO PART SUMMARY				AED	2,886,875.00

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 02 - HARDSCAPING & SOFTSCAPING WORKS				

2.2.10	<u>Supply &amp; laying of Aluminium edge paver with all associated works complete as per drawing and specification.</u>				
2.2.10.1	Aluminium Edger-PB3	605	m	63.00	38,115.00
2.2.11	<u>Supply &amp; laying of gravel in service area 10-20mm dia complete as per drawing and specification.</u>				
2.2.11.1	Ref:GS1	155	m2	28.00	4,340.00
<b>CARRIED TO PART SUMMARY</b>				AED	<b>42,455.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 02 - HARDSCAPING & SOFTSCAPING WORKS				

2.3	<u>Soft landscaping</u>  <u>Supply and Planting of Trees in prepared planting pits including necessary surface preparation ,beddings, protections, excavation and disposal, backfilling with sweet soil with moisture additive,tree stakes and necessary ancillary material Complete as per drawing and specifications.</u>				
2.3.1	Cassia fistula, Ref: T/CASS-F	19	nr	413.00	7,847.00
2.3.1.2	Albizia Lebbeck, Ref:T/ALBI-L	48	nr	413.00	19,824.00
2.3.1.3	Delonix regia, Ref:T/DELO-R	98	nr	413.00	40,474.00
2.3.1.4	Tabebuia rosea, Ref: T/TABE -R	5	nr	413.00	2,065.00
2.3.1.5	Terminalia catappa, Ref: T/TERM-C	29	nr	413.00	11,977.00
2.3.1.6	Hibiscus tiliaceus, Ref: T/HIBI-T	47	nr	413.00	19,411.00
2.3.1.7	Pongamia Pinnata, Ref: T/PONG-P	105	nr	413.00	43,365.00
2.3.1.8	Azadirachta Indica, Ref: T/AZAD-I	17	nr	413.00	7,021.00
2.3.1.9	Bucida Buceras, Ref: T/BUCI-B	19	nr	413.00	7,847.00
2.3.1.10	Thespesia populnea, Ref: T/THES-P	16	nr	413.00	6,608.00
2.3.1.11	Terminalia mantaly, Ref: T/TERM-M	58	nr	413.00	23,954.00
<b>CARRIED TO PART SUMMARY</b>				<b>AED</b>	<b>190,393.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 02 - HARDSCAPING & SOFTSCAPING WORKS				
2.3.2	<u>Supply &amp; installation of Root barrier for trees with complete all associated works as per drawing &amp; specification.</u>				
2.3.2.1	Root Barrier	5,295	m2	31.00	164,145.00
2.3.3	<u>Supply and planting of Shrubs on prepared planting beds including surface preparation ,excavation and disposal, backfilling with sweet soil .moisture additiveand necessary ancillary materialcomplete as per drawing and specifications.</u>				
2.3.3.1	Bougainvillea glabra white Ref: S/BOUG-GW	4,500	nr	23.00	103,500.00
2.3.3.2	Bougainvillea glabra nana red Ref: S/BOUG-GNR	4,198	nr	23.00	96,554.00
2.3.3.3	Bougainvillea pink pixie Ref: S/BOUG-PP	2,187	nr	23.00	50,301.00
2.3.3.4	Dodonea viscosa Ref: S/DODO-V	3,711	nr	21.00	77,931.00
2.3.3.5	Wrightia antidysenterica Ref: S/WRIG-A	14,648	nr	23.00	336,904.00
2.3.3.6	Cleodendrum inerme Ref: S/CLERI-I	1,315	nr	21.00	27,615.00
2.3.3.7	Leucophyllum frutescens Ref: S/LEUC-F	953	nr	26.00	24,778.00
2.3.3.8	Pedilanthus tithymaloides Ref: S/PEDI-TV	3,600	nr	28.00	100,800.00
2.3.3.9	Vitex rotundifolia Ref: S/VITE-R	5,400	nr	16.00	86,400.00
<b>CARRIED TO PART SUMMARY</b>				AED	<b>1,068,928.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 02 - HARDSCAPING & SOFTSCAPING WORKS				

2.3.4	<u>Supply and planting of Ground Covers on planting beds with surface preparation including excavation and disposal, backfilling with sweet soil ,moisture additive and necessary ancillary material complete as per drawing and specifications.</u>				
2.3.4.1	Carissa macrocarpa 'green carpet', Ref: GC/CARI-GC	13,153	nr	15.00	197,295.00
2.3.4.2	Jasminum Sambac, Ref: GC/JASM-S	1,846	nr	22.00	40,612.00
2.3.4.3	Ficus microcarpa 'green island', Ref: GC/FICU-MGI	19,441	nr	12.00	233,292.00
2.3.4.4	Pandanus baptistii variegata, Ref: GC/PAND-B	8,000	nr	24.00	192,000.00
2.3.4.5	Ruellia ciliosa, Ref:GC/RUEL-C	3,840	nr	10.00	38,400.00
2.3.4.6	Turnera ulmifolia 'Red Form', Ref:GC/TURN-U	8,821	nr	12.00	105,852.00
2.3.4.7	Asystacia Gangetica, Ref:GC/ASYS-G	2,915	nr	10.00	29,150.00
<b>CARRIED TO PART SUMMARY</b>				AED	<b>836,601.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 02 - HARDSCAPING & SOFTSCAPING WORKS				
2.3.5	<u>Supply &amp; laying of bark mulch in the planting area as specified to a minimum depth of 70 mm complete as per specification for shrubs ,hedges with the exception of areas where horizontally / low spreading groundcovers and lawn have been planted and succulent plants with loose gravel surfaces</u>	10,485	m2	25.00	262,125.00
2.4	<u>Miscellaneous works</u>				
2.4.1	<u>Maintenance</u>				
2.4.1.1	Allow for the maintenance of one calendar year of softscape landscape, including all material, labour, supervision, dead plant replacement etc.after substantial completion & handing over.	1	Item	60,000.00	60,000.00
<b>CARRIED TO PART SUMMARY</b>				AED	<b>322,125.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 02 - HARDSCAPING & SOFTSCAPING WORKS				

	<u>PART SUMMARY</u>				
	D2/Page 1				1,629,215.00
	D2/Page 2				539,850.00
	D2/Page 3				2,886,875.00
	D2/Page 4				42,455.00
	D2/Page 5				190,393.00
	D2/Page 6				1,068,928.00
	D2/Page 7				836,601.00
	D2/Page 8				322,125.00
	<b>CARRIED TO GRAND SUMMARY</b>			AED	<b>7,516,442.00</b>

# BILL 3

## IRRIGATION WORKS

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**PHOENICIAN TECHNICAL SERVICES LLC**  
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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
3.1	<b>BILL NO. 03 - SECONDARY IRRIGATION WORKS</b>  <u>Pipework - pipes</u>  <u>Supply and lay uPVC buried pipes to BS3505, including excavation, backfilling with selected excavated material, disposal of the surplus material, all high pressure pipe fittings (bends, tees etc), pipes (class E &amp; D), thrust blocks etc. complete as per specifications and to the approval of the Employer Representative Consultant.</u>				
3.1.1	3.1.1.1 Nominal bore : not exceeding 200mm  32 mm dia. uPVC pipe, Class E  3.1.1.2 50 mm dia. upvc pipe, class d  3.1.1.3 63 mm dia. uPVC pipe, Class D	10,235  6,025  5,020	m  m  m	9.00  16.00  24.00	92,115.00  96,400.00  120,480.00
3.1.2	<u>Supply and lay the following l.l.d.p.e ( low density polyethylene) pipes including all necessary compression fittings, inbuilt emitters etc complete, all as per specification and detail drawings.</u>  3.1.2.1 16mm dia L.L.D.P.E pipe for Trees. (7.0GPH)  3.1.2.2 16mm dia L.L.D.P.E pipe for Shrubs. (0.9GPH)  3.1.2.3 16mm dia L.L.D.P.E pipe for Ground Covers. (0.6GPH)  3.1.2.4 Stapple stake (heat resistant)	2,235  24,335  12,140  3,320	m  m  m  nr	4.50  4.50  4.50  1.50	10,057.50  109,507.50  54,630.00  4,980.00
<b>CARRIED TO PART SUMMARY</b>				AED	<b>488,170.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 03 - SECONDARY IRRIGATION WORKS</b>				
3.2	<b><u>FITTINGS AND VALVES</u></b>				
3.2.1	<b><u>Supply and install the following valves including necessary fittings, fixed as specified and detailed.</u></b>				
3.2.1.1	<b><u>Quick coupling valve</u></b>				
3.2.1.1.1	Quick coupling valve	85	nr	346.00	29,410.00
3.2.1.2	<b><u>Flush valve</u></b>				
3.2.1.2.1	Flush valve 1.0 inch	74	nr	52.00	3,848.00
3.2.1.3	<b><u>Solenoid Valves (with Y-Strainer)</u></b>				
3.2.1.3.1	1" Drip solenoid valve with Pressure Regulator	64	nr	840.50	53,792.00
3.2.1.3.2	1.5" Drip solenoid valve with Pressure Regulator	8	nr	927.00	7,416.00
3.2.2	<b><u>Riser point system</u></b>				
3.2.2.1	<b><u>Supply and install the following riser points for drip and sprinkler connection points with all necessary pipe fittings including tees, elbows...etc as specified and detailed on the drawings.</u></b>				
3.2.2.1.1	Riser points	1,362	nr	46.00	62,652.00
3.2.2.2	<b><u>Thrust block</u></b>				
3.2.2.2.1	Thrust Block Support	14	nr	69.00	966.00
<b>CARRIED TO PART SUMMARY</b>				AED	<b>158,084.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 03 - SECONDARY IRRIGATION WORKS</b>				
3.2.2.3	<b><u>Lockable and labeled buried valve boxes with all pipe fittings and pull boxes as specified and shown on drawings</u></b>				
3.2.2.3.1	For Solenoid valve (Drip) for 1" & 1.5" 668(L)x 503(W)x 307(H) mm as detailed and specified	72	nr	650.00	46,800.00
3.2.2.3.2	For Quick coupling Valve.	85	nr	63.00	5,355.00
3.2.2.3.3	For Pull boxes round shape with outside dia 250mm as detailed and specified .	147	nr	63.00	9,261.00
3.2.2.3.4	For Flush Valve	74	nr	63.00	4,662.00
3.3	<b><u>PIPEWORK - SUPPORTS AND PROTECTION ANCILLARIES TO LAYING AND EXCAVATION</u></b>				
3.3.1	<b><u>Providing sand surrounds including beds to irrigation pipes.</u></b>				
3.3.1.1	Nominal bore: Not exceeding 200mm	21,280	m	4.00	85,120.00
<b>CARRIED TO PART SUMMARY</b>				AED	<b>151,198.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	<b>BILL NO. 03 - SECONDARY IRRIGATION WORKS</b>				
3.4	<u>Miscellaneous works</u>				
3.4.1	<u>Electrical works for irrigation</u>				
3.4.1.1	<u>Supply and install approved irrigation controller unit, each controller has the capability of the following features 8 start times per program, 70 stations with valves, communications dial up telephone line and all accessories etc complete as per standards and specification</u>				
3.4.1.1.1	Irrigation controller	1	nr	25,118.50	25,118.50
3.4.2	<u>Cabling and associated works</u>				
3.4.2.1	<u>Supply, lay all electrical conduits, cables for field cables from irrigation central control unit to satellite controllers and from satellite controllers to all stations including excavation, backfilling, fittings, bends, tees, pipeworks / electrical ducts for conduits use at all road crossing, accessories and all necessary associated works etc complete as per standards and specification:</u>				
3.4.2.1.1	1" Conduit for Control Cables.	5,515	m	10.50	57,907.50
3.4.2.1.2	Supply and lay 14 AWG Control Cables in conduit with all necessary accessories etc complete as specified.	11,030	m	11.00	121,330.00
3.5	<u>MISCELLANEOUS WORKS :</u>				
3.5.1	<u>Maintenance</u>				
3.5.1.1	Maintenance of the irrigation system on a daily basis including time controls, periodical flushing drippers and sprinklers replacement, pipe leakage, filters and system cleaning etc all in accordance with specification and/or as directed by Engineer	12	month	5,000.00	60,000.00
<b>CARRIED TO PART SUMMARY</b>				AED	<b>264,356.00</b>

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)
	BILL NO. 03 - SECONDARY IRRIGATION WORKS				
	<u>PART SUMMARY</u>				
	D3/Page 1			488,170.00	
	D3/Page 2			158,084.00	
	D3/Page 3			151,198.00	
	D3/Page 4			264,356.00	
	CARRIED TO GRAND SUMMARY			AED	1,061,808.00

# ANNEX 1

## LIST OF EXCLUSIONS

**ANNEXURE 1:**

**PART 1: LIST OF EXCLUSIONS / QUALIFICATIONS**

- 1 Any works related to landscape light fitting and landscape light DB
- 2 Any Submission / payments for NOC to authority is excluded. However, PTS will Provide Technical Assistance during acquisition of NOC
- 3 Supply and Installation of Landscape Lights is by Others. Coordination with other contractor is included.
- 4 Any kind of Outdoor loose furnitures.
- 5 Construction of Irrigation Pump Room, and Supply and Installation of Irrigation Pump Set and Tank.
- 6 Any kind of infrastructure works such as Potable Water Supply, Street Fire Fighting System, Electrical LV Network, Telecommunication, CCTV, WIFI and Background Music (BGM), Sewerage
- 7 This proposal is considered as **Re-measurable basis and not Lump Sum**. Any items not shown on the BOQ but are shown on the drawings and specification are excluded
- 8 This proposal is excluding any VAT already imposed by the UAE government.