

**Ref:** P158.02-PTS-QTN2022-Q058-L-0005

**Date:** 7<sup>th</sup> July 2023

**M/s. DAMAC Properties Co. LLC**

P.O.Box:2195, Dubai, United Arab Emirates.

T: +97143731282

**Attention: Mr. Mohammed Al Tahainei – General Manager - Projects**

**Project: P158.02 – DAMAC Lagoons – Parcel 1 Landscape Package**

**Subject: Landscaping Works Proposal – Rev 11**

Dear Sir,

With reference to the above subject, we are pleased to submit our revised offer for the Landscaping Works for Damac Lagoons Parcel 1 Community Center for your kind consideration. This Re-measurable offer for above Works is complying with Tender Documents as mentioned below:

1. Volume – 01: Tendering & Contract Condition
2. Volume – 02: Specifications
3. Volume – 03: Bill of Quantities
4. Volume – 04: Drawings
5. Volume – 05: Site Procedure Manuals
6. Volume – 06: Soil Investigation Report
7. Tender Addendum No. 1, 2, 3, 4 and 5
8. Post Tender Addendum No. 1

The total price considering the above documents, clarifications and addendum is **AED 32,164,000.0**  
Amount in words **Dirham's Thirty Two Million One Hundred Sixty Four Thousand only.**

- **Duration of Work:** 365 Days
- **Payment Terms:** As per attached commercial terms.
- **Qualifications:**
  - o Our scope for Electrical power is from landscape light fitting to landscape light DB only and after that by others.
  - o Our scope for Water Feature is excluding main utilities connection (power, water, drainage) to be provided to water feature pump room by others.
  - o Soil additives for the soft-landscaping works are excluded as per Tender Clarification
  - o All landscape lights are as per Value Engineering Proposal (Same Specification of lighting as per DH2 Park and Malibu project)

- **Exclusions:**

- Any submission / payments for NOC to authority is excluded. However, PTS will provide Technical assistance during acquisition of NOC/ authority approvals.
- This proposal is considered as Re-measurable basis and not Lump Sum
- Disposal of material are to be within allocated area inside the project plot limit only.

- **Validity of offer:** 120 days

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 Phoenixian Technical Services L.L.C.**

  
**Elie Harb**  
General Manager



Water features

Swimming pools

Landscaping &

Green walls Specialist

**Project: - P158.02 – DAMAC Lagoons – Parcel 1 Landscape Package**  
**Main Works Package**  
**Annexure 1 – Commercial Terms & Conditions**

SN	Description	Sub-Clause	Contractor
1	Type of Contract will be based on Re-measurable Contract.		Accepted
2	Total Price for Main work is complying with Tender Documents - i.e. Volume – 01: Tendering & Contract Condition Volume – 02: Specifications Volume – 03: Bill of Quantities Volume – 04: Drawings Volume – 05: Site Procedure Manuals Volume – 06: Soil Investigation Report Tender Addendum No. 1 to 5 Post Tender Addendum No.1		Confirmed and accepted
3	<u>Amount of Performance Security</u> The Contractor shall submit an irrevocable and unconditional performance security as per the agreed format equal to Ten Percent (10%) of the total Contract Price from a first class bank licensed to carry on commercial banking activities in UAE and acceptable to the Employer and which shall be valid until the issuance of the Defects Liability Certificate (DLC) by the Engineer.	10.1	<div>Against security Cheque</div> <div>10% of Contract Price against <del>Bank Guarantee</del></div>
4	Commencement of the contract Works	41.1	As per the LOA
5	Contractor's Time for Completion	43.1	365 days which will include the time for mobilization
6	Liquidated Damages for Delay	47.1	(AED 0.1% of the Contract price) / Day
7	Limit on Liquidated Damages	47.1	10% of the Contract Price
8	Defect Liability Period	49.1	365 Days
9	Percentage of the invoice value of listed materials	60.1(c)	Nil
10	Percentage of Retention	60.2(a)	10% (5% upon issuance of TOC Balance 5% upon issuance of DLC)
11	Limit of Retention	60.2(a)	10% of the contract Price
12	Minimum amount of Interim Payment Certificates	60.2	<div>NIL</div> <div><del>AED 1,000,000.00</del></div>
13	Rate of Interest upon unpaid sums	60.10	Nil %
14	Time for Payment <div>7 Days for the Engr. to certify 21 Days client to pay</div>	60.10	<div>Invoice will be raised Monthly. Time for Payment of any sum to the Contractor by the Employer under the Contract shall be <del>75 days</del> (28 Days for the Engineer to certify the payment application and <del>45 days</del> for the client to pay the Contractor)</div>

**Project: - P158.02 – DAMAC Lagoons – Parcel 1 Landscape Package**  
**Main Works Package**  
**Annexure 1 – Commercial Terms & Conditions**

SN	Description	Sub-Clause	Contractor
15	<u>Advance Payment:</u> - The Contractor shall submit an irrevocable and unconditional Advance Payment Guarantee as per the agreed format from a first class bank licensed to carry on commercial banking activities in UAE and acceptable to the Employer in a sum equal to 10% of the Effective Contract Price, valid until recovery of the same from progress payments.	60.12	<div>20% against security cheque</div> <div><del>10% of Effective Contract Price against Bank Guarantee</del></div>
16	Site Visit Letter		Contractor to submit
17	Minimum amount of Third Party Insurance	23.2	AED 2,000,000 for any one claim with an unlimited number of claims
18	Mark up for any Variations / Additional works		<div>10%</div> <div><del>5%</del></div>
19	Mark up Day Works		<div>10%</div> <div><del>5%</del></div>
20	Engineers Over Time		Included, beyond normal working hours on holiday
21	Material On Site	60.1 (c)	<div>Nil</div>

**70% from BOQ Rate for the following:**

1. Landscape and Street Furniture
2. Kids Play Equipment and Sports Equipment
3. Finishing materials
4. Landscape Lights
5. MEP Equipment for Water Feature

**Note:** No retention to be applied on Material on Site



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

TECHNICAL AND FINANCIAL PROPOSAL FOR  
**LANDSCAPING WORKS FOR PARCEL 1**

PROJECT:  
**DAMAC LAGOONS**

SUBMITTED TO:  
***DAMAC***

**PTS-UAE-DXB-Q2022-058A - Rev 11**  
**7-July-2023**



SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
	<b>GRAND SUMMARY - PARCEL 1 LANDSCAPING WORKS</b>					
1	BILL NO. 1 - GENERAL REQUIREMENTS & PROVISIONAL SUM				7,504,489.00	
2	BILL NO. 2 - STREETSCAPE-INTERNAL ROADS				9,764,683.00	
3	BILL NO. 3 - LINEAR PARK				2,583,184.00	
4	BILL NO. 4 - NEIGHBOURHOOD PARK				2,475,750.00	
5	BILL NO. 5 - BUFER AREA PARK				3,764,323.00	
6	BILL NO. 6 - EXTERNAL ROAD -36 M (DELETED)				EXLCUDED	
7	BILL NO. 7 - PARK-SECONDARY IRRIGATION WORKS				1,376,244.00	
8	BILL NO. 8 - INTERNAL ROAD-SECONDARY IRRIGATION WORKS				1,531,327.00	
9	BILL NO. 9 - 36M-EXTERNAL ROAD-SECONDARY IRRIGATION WORKS (DELETED)				EXLCUDED	
	<b>GRAND TOTAL</b>			<b>AED</b>	<b>29,000,000.00</b>	

Water features

Swimming pools

Landscaping &

Green walls Specialist

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
<b>1</b>	<b>Bill no. 1 - General requirements &amp; Provisional Sum</b>					
<b>1.1</b>	<b>preliminaries</b>					
<b>1.1.1</b>	<b>general notes on preliminaries</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	1.00	Item	1,950,132.00	<b>1,950,132.00</b>	
<b>1.2</b>	<b>the contractor shall allow for all necessary constructional plant including:</b>					
<b>1.2.1</b>	<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	1.00	Item		Included	
1.2.1.1.2	maintenance	365.00	Days		Included	
1.2.1.1.3	removal and making good site	1.00	Item		Included	
<b>1.2.2</b>	<b>scaffolding</b>					
1.2.2.1	provide sufficient and necessary scaffolding					
1.2.2.1.1	establishment	1.00	Item		Included	
1.2.2.1.2	maintenance	365.00	Days		Included	
1.2.2.1.3	removal and making good site	1.00	Item		Included	
<b>1.2.3</b>	<b>maintenance of existing services on, under or over the site</b>					
1.2.3.1	provide for maintenance of existing services as specified	1.00	Item		Included	
<b>1.2.4</b>	<b>performance security</b>					
1.2.4.1	performance security in accordance with conditions of contract, clause 10	1.00	Item		Included	
<b>1.2.5</b>	<b>advance payment guarantee</b>					
1.2.5.1	advance payment security as may be required by the employer	1.00	Item		Included	
<b>1.2.6</b>	<b>insurances</b>					
1.2.6.1	contractor's all risk insurance.	1.00	Item		Included	
1.2.6.2	third party liability insurance	1.00	Item		Included	
1.2.6.3	workmen compensation insurance	1.00	Item		Included	
1.2.6.4	Contractor's Equipment and machinery insurance	1.00	Item		Included	
1.2.6.5	Any other Insurance required to be obtained by the contractor , as per the Conditions of the Contract .	1.00	Item		Included	
<b>1.2.7</b>	<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	1.00	Item		Included	
1.2.7.1.2	maintenance	365.00	Days		Included	
1.2.7.1.3	removal and making good site	1.00	Item		Included	
<b>1.2.8</b>	<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	1.00	Item		Included	
1.2.8.1.2	maintenance	365.00	Days		Included	
1.2.8.1.3	removal and making good site	1.00	Item		Included	
<b>1.3</b>	<b>contractor's administrative arrangements</b>					
<b>1.3.1</b>	<b>site administration</b>					
1.3.1.1	provide sufficient staff and equipment to perform the administrative duties in executing the contract	365.00	Days		Included	
<b>1.3.2</b>	<b>site supervision</b>					
1.3.2.1	full time supervision by the contractor	365.00	Days		Included	
<b>1.3.3</b>	<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	365.00	Days		Included	
<b>1.3.4</b>	<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.	1.00	Item		Included	
<b>1.3.5</b>	<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.	365.00	Days		Included	
<b>1.3.6</b>	<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	1.00	Item		Included	
1.3.6.1.2	maintenance	365.00	Days		Included	
1.3.6.1.3	removal and making good site	1.00	Item		Included	

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<b>1.3.7</b>	<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.	1.00	Item		Included	
<b>1.3.8</b>	<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.	1.00	Item		Included	
<b>1.3.9</b>	<b>water for the works</b>					
1.3.9.1	Supply clean water for the Works and for the use of his staff and pay all fees and costs for connection and consumption.					
1.3.9.1.1	establishment	1.00	Item		Included	
1.3.9.1.2	maintenance	365.00	Days		Included	
1.3.9.1.3	removal and making good site	1.00	Item		Included	
1.3.9.1.4	Provision of TSE supply and related arrangements (pumps, water tank etc.) during construction	1.00	item	237,223.00	237,223.00	
<b>1.3.9.2</b>	<b>PROVISIONAL SUM FOR TSE WATER DURING 01 YEAR FROM SUBSTANTIAL HANDING OVER TO DLC ( ONE YEAR )</b>					
1.3.9.2.2	Provision of TSE supply and related arrangements (pumps, water tank etc.) during 1 year Maintenance Time	1.00	item	4,000,000.00	4,000,000.00	P.S
1.3.9.2.3	Overhead and profit 12.5%	1.00	item	500,000.00	500,000.00	12.5% O.H
<b>1.3.9.3</b>	<b>PROVISIONAL SUM FOR STREET FURNITURE AND PLAY EQUIPMENTS</b>	1.00	item	500,000.00	500,000.00	P.S
1.3.9.2.3.1	Overhead and profit 12.5%	1.00	item	62,500.00	62,500.00	12.5% O.H
<b>1.3.10</b>	<b>lighting and power for the works</b>					
1.3.10.1	supply lighting and power for the works and pay all fees for connection and consumption.					
1.3.10.1.1	establishment	1.00	Item		Included	
1.3.10.1.2	maintenance	365.00	Days		Included	
1.3.10.1.3	removal and making good site	1.00	Item		Included	
<b>1.3.11</b>	<b>setting out</b>					
1.3.11.1	setting out of the works	1.00	Item		Included	
<b>1.3.12</b>	<b>progress report</b>					
1.3.12.1	Preconstruction, progress and final completion construction photographs as specified Provide progress reports as specified Provide construction progress documentation as specified	1.00	Item		Included	
<b>1.3.13</b>	<b>shop drawings</b>					
1.3.13.1	The Contractor shall provide "Shop Drawings" as specified and requirements.	1.00	Item		Included	
<b>1.3.14</b>	<b>as built drawings</b>					
1.3.14.1	The Contractor shall provide "AS BUILT" drawings as specified, As built survey from third party to be provided as per authorities requirements	1.00	Item		Included	
<b>1.3.15</b>	<b>operation and maintenance manuals</b>					
1.3.15.1	operation and maintenance manuals as specified	1.00	Item		Included	
<b>1.3.16</b>	<b>warranties</b>					
1.3.16.1	provision of warranties as specified	1.00	Item		Included	
<b>1.4</b>	<b>employer's and engineer's facilities</b>					
<b>1.4.1</b>	<b>Provide the following facilities for the Employer's or the Employer's representatives and Engineer office</b>					
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.	ONLY 02 SITE OFFICE FOR ENGINEER				
1.4.1.1.1	establishment	1.00	Item	75,000.00	75,000.00	
1.4.1.1.2	maintenance	365.00	Days	125.00	45,625.00	
1.4.1.1.3	removal and making good site	1.00	Item	30,000.00	30,000.00	
<b>1.4.2</b>	<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.	365.00	Days	150.00	54,750.00	
<b>1.4.3</b>	<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	1.00	Item	-	EXCLUDED	
1.4.3.1.2	maintenance	365.00	Days	-	EXCLUDED	
1.4.3.1.3	removal of hardware and making good site	1.00	Item	-	EXCLUDED	
<b>1.4.4</b>	<b>carports</b>					
1.4.4.1	provide covered car ports as specified					
1.4.4.1.1	establishment	1.00	Item	25,000.00	25,000.00	
1.4.4.1.2	maintenance	365.00	Days	50.00	18,250.00	
1.4.4.1.3	removal and making good site	1.00	Item	6,009.00	6,009.00	
<b>1.4.5</b>	<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	365.00	Days	-	EXCLUDED	
<b>1.5</b>	<b>sundry items</b>					
<b>1.5.1</b>	<b>provide the following sundry items</b>					
1.5.1.1	testing of materials					
1.5.1.1.1	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.	1.00	Item		Included	
1.5.1.2	damac site procedures manual (volume 5)					

Green walls Specialist



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1.5.1.2.1	the contractor is to allow in his tender for carrying out all procedures for project administration in compliance with the damac site procedures manual.	1.00	Item		Included	
1.5.1.2.2	applying quality control procedures	1.00	Item		Included	
1.5.1.2.3	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).	1.00	Item		Included	
1.5.1.3	green building regulations					
1.5.1.3.1	The Contractor shall allow for all necessary administrative arrangements for Green Building Regulations	1.00	Item		NA	
1.5.1.3.2	The Contractor shall include CCTV camera's provision during construction as per Dubai Police Requirements and Regulations	1.00	Item		NA	
1.5.1.3.3	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.	1.00	Item		Included	
1.5.1.3.4	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)	1.00	Item		-	
	<b>TOTAL AMOUNT FOR BILL 1: General Requirements</b>				<b>7,504,489.00</b>	
<b>2</b>	<b>BILL NO. 2 - STREETScape-INTERNAL ROADS</b>					
<b>2.1</b>	<b>earthworks</b>					
2.1.1	Filling with imported material (material stockpile from Damac lagoon project area)	15,120.00	m3	10.00	151,200.00	
2.1.2	Excavation for cuttings in material other than top soil, rock or artificial hard material- For Cut-Provisional item	3,210.00	m3	20.00	64,200.00	
2.1.3	Disposal of unsuitable excavated material to approved tip. (Including haulage)-Provisional item	1,290.00	m3	21.00	27,090.00	
2.1.4	Filling of excavated selected materials other than top soil or rock-Provisional item	1,920.00	m3	20.00	38,400.00	
NEW ITEM	Adjustment of alignment of chambers and level (within 30cm) for chambers/manholes	1.00	Lum	-	-	EXCLUDED
<b>2.2</b>	<b>hard landscaping</b>					
<b>2.2.1</b>	<b>Sub Grade</b>					
2.2.1.1	Compacted Sub-grade to receive pavings and surfacing, complete as shown on the drawings and specifications					
2.2.1.1.1	500mm thick proposed Existing subgrade layer with soaked CBR>15%MDD (Provisional)	500.00	m2	4.00	2,000.00	
2.2.1.1.2	Proposed Existing subgrade with soaked CBR>15% (Provisional)	100.00	m2	4.00	400.00	
<b>2.2.2</b>	<b>Sub Bases</b>					
2.2.2.1	Compacted Sub-base to receive pavings and surfacing, complete as shown on the drawings and specifications					
2.2.2.1.1	150mm thick Subbase - For 80 mm Paver	40,885.00	m2	17.00	695,045.00	
2.2.2.1.2	150mm thick Subbase - For 60 mm Paver	9,510.00	m2	17.00	161,670.00	
<b>2.2.3</b>	<b>Base layer</b>					
2.2.3.1	Compacted base layer to receive pavings and surfacing, complete as shown on the drawings and specifications					
2.2.3.1.1	220mm thick base layer -80 mm Paver	40,885.00	m2	24.00	981,240.00	
<b>2.2.4</b>	<b>Concrete Base</b>					
2.2.4.1	Concrete base to receive pavings and surfacing, complete as shown on the drawings and specifications					
2.2.4.1.1	185mm thick	3,590.00	m2	56.00	201,040.00	
<b>2.2.5</b>	<b>Pavings, Band &amp; Edgings</b>					
2.2.5.1	Bands & Edgings					
2.2.5.1.1	Pre-cast paving bands bedded on mortar bed with grouted joints as per drawing and specifications.					
2.2.5.1.1.1	150mm Wide Band, Ref: PB5	11,840.00	m	30.00	355,200.00	
2.2.5.1.1.2	150mm Wide Band, Ref: PB5-80mm thk	12,075.00	m	30.00	362,250.00	
<b>2.2.6</b>	<b>Pavings</b>					
2.2.6.1	80mm Precast concrete paver Block bedded on 40mm thick sharp sand bed with joints filled as per drawing and specifications.					
2.2.6.1.1	Paving, Ref: P2B-200x200x80mm thk	40,690.00	m2	85.00	3,458,650.00	
2.2.6.1.2	Paving, Ref: P3-200x100x80mm thk	195.00	m2	85.00	16,575.00	
<b>2.2.7</b>	<b>60mm Precast concrete paver Block bedded on 40mm thick sand bed with joints filled as per drawing and specifications.</b>					
2.2.7.1	Paving, Ref: P3-200x100x60mm thk	2,810.00	m2	83.00	233,230.00	
2.2.7.2	Paving, Ref: P4-200x200x60mm thk	2,120.00	m2	83.00	175,960.00	
2.2.7.3	Paving, Ref: P8-250x250x60mm thk	100.00	m2	86.00	8,600.00	
2.2.7.4	Paving, Ref: P2A-200x200x60mm thk	4,480.00	m2	83.00	371,840.00	
2.2.7.5	Supply and fixing of Geotextile membrane as per drawing and specifications.					
2.2.7.5.1	For Paving, Ref: For P2B-GEOTEXTILE membrane	50,395.00	m2	20.00	EXCLUDED	As per Tender clarification
<b>2.2.8</b>	<b>Supply &amp; fixing of geotextile fabric complete as per drawing and specifications.</b>					
2.2.8.1	Geo textile fabric	195.00	m2	11.00	2,145.00	
<b>2.2.9</b>	<b>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.</b>					
2.2.9.1	Tactile Paving, Ref: TP	146.00	m2	92.00	13,432.00	
<b>2.2.10</b>	<b>Supply &amp; laying of Aluminium edge paver with all associated works complete as per drawing and specification.</b>					
2.2.10.1	Aluminium Edger-PB3	725.00	m	63.00	45,675.00	

Green walls Specialist

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
2.2.11	Supply & laying of gravel in service area 10-20mm dia complete as per drawing and specification.					
2.2.11.1	Ref:GS1	195.00	m2	28.00	5,460.00	
2.2.12	Supply & fixing of powder coated stainless steel barrier bollards with all associated works complete as per drawing and specification					
2.2.12.1	SF1-Barrier Bollards	81.00	nr	1,681.00	136,161.00	
2.2.13	FURNITURES					
2.2.13.1	Supply and fix the following landscape furniture including all associated works complete as detailed on drawing and specification.					INCLUDED IN P.S ITEM 500,000AED
2.2.13.1.1	SF2-Recycle bin	15.00	nr	-	EXCLUDED	
2.3	soft landscaping					
2.3.1	Supply and Planting of Palm trees in prepared planting pits including necessary surface preparation,beddings, protections,tree stakes,tree ties,excavation and disposal, backfilling with sweet soil,moisture additive Complete as per drawing and specifications.					
2.3.1.1	Phoenix dactylifera Ref:P/PHOE-D	14.00	nr	2,304.00	32,256.00	As per Tender clarification To remove soil additives
2.3.2	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.					
2.3.2.1	Azadirachta indica, Ref: T/AZAD-I	90.00	nr	915.00	82,350.00	As per Tender clarification To remove soil additives
2.3.2.2	Delonix regia, Ref:T/DELO-R	79.00	nr	1,030.00	81,370.00	
2.3.2.3	Peltophorum pterocarpum, Ref:T/PELT-P	6.00	nr	1,030.00	6,180.00	
2.3.2.4	Tabebuia rosea, Ref: T/TABE -R	68.00	nr	1,030.00	70,040.00	
2.3.2.5	Terminalia catappa, Ref: T/TERM-C	43.00	nr	1,030.00	44,290.00	
2.3.2.6	Albizia lebbek, Ref: T/ALBI -L	47.00	nr	1,030.00	48,410.00	
2.3.2.7	PONGAMIA PINNATA Ref: T/PONG-P	105.00	nr	1,088.00	114,240.00	
2.3.3	Supply & installation of Root barrier for trees with complete all associated works as per drawing & specification.					
2.3.3.1	Root Barrier	3,942.00	m2	31.00	122,202.00	
2.3.4	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.					
2.3.4.1	Bougainvillea glabra white Ref: S/BOUG-GW	1,759.00	nr	23.00	40,457.00	As per Tender clarification To remove soil additives
2.3.4.2	Bougainvillea glabra nana red Ref: S/BOUG-GNR	5,662.00	nr	23.00	130,226.00	
2.3.4.3	Bougainvillea pink pixie Ref: S/BOUG-PP	12,002.00	nr	23.00	276,046.00	
2.3.4.4	Bougainvillea glabra pink Ref: S/BOUG-GP	170.00	nr	23.00	3,910.00	
2.3.4.5	Ruellia ciliosa Ref: S/RUEL-C	5,447.00	nr	16.00	87,152.00	
2.3.4.6	Wrightia antidysenterica Ref: S/WRIG-A	5,147.00	nr	23.00	118,381.00	
2.3.5	Supply and planting of Hedges planted on planting beds with surface preparation including excavation and disposal, backfilling with sweet soil ,moisture additive and necessary ancillary material as complete as per drawing and specifications.					
2.3.5.1	Dodonea viscosa Ref: H/DODO-V	1,190.00	nr	21.00	24,990.00	As per Tender clarification To remove soil additives
2.3.5.2	Clerodendrum inerme Ref: H/CLER-I	1,005.00	nr	21.00	21,105.00	
2.3.5.3	Leucophyllum frutescens Ref: H/LEUC-F	1,912.00	nr	26.00	49,712.00	
2.3.6	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.					
2.3.6.1	Carissa macrocarpa 'green carpet, Ref: GC/CARI-GC	10,063.00	nr	10.00	100,630.00	As per Tender clarification To remove soil additives
2.3.6.2	Lantana montevidensis, Ref: GC/LANT-M	1,828.00	nr	10.00	18,280.00	
2.3.6.3	Ficus microcarpa 'green island', Ref: GC/FICU-MGI	953.00	nr	14.00	13,342.00	
2.3.6.4	Turnera ulmifolia, Ref:GC/TURN-U	1,937.00	nr	11.00	21,307.00	
2.3.6.5	Wedelia trilobata, Ref: GC/WEDE-T	8,361.00	nr	8.00	66,888.00	
2.3.6.6	Sesuvium portulacastrum 'Red Form', Ref:GC/SESU-PR	34,103.00	nr	7.00	238,721.00	
2.3.6.7	Asystasia gangetica 'Red Form', Ref: GC/ASYS-G	298.00	nr	7.00	2,086.00	
2.3.7	Supply & laying of mulch in the planting area as specified to a minimum depth of 70 mm complete as per specification for shrubs ,ground covers with the exception of areas where horizontally / low spreading groundcovers and lawn have been planted and succulent plants with loose gravel surfaces	12,057.00	m2	17.00	204,969.00	
2.3.8	signage					
2.3.8.1	Supply & installation of signage with aluminium post , aluminium box panel with powder coated finish ,non prismatic reflective vinyl type face & number complete as per drawing and specification.					
2.3.8.1.1	Local Street Name Sign 592 Type 1 Double Sided (X=50)	21.00	nr	1,939.00	40,719.00	
2.3.8.1.2	Area identification sign	1.00	nr	8,219.00	8,219.00	
2.3.9	Supply, install and connect Light fittings including power connection from the nearest power source,including cable,ducts all complete in accordance with Drawings, Specifications and to Engineer's approval:					V.E. Same Specs as per DH2 Park and Malibu
2.3.9.1	Uplight with Earth Spike-UL1	13.00	nr	1,134.00	14,742.00	
2.4	miscellaneous works					
2.4.1	maintenance					
2.4.1.1	Allow for the maintenance of one calendar year of soft cape landscape, including all material, labour, supervision, dead plant replacement etc.after substantial completion & handing over.	1.00	Item	174,000.00	174,000.00	

Green walls Specialist

SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
<b>3</b>	<b>BILL NO. 3 - LINEAR PARK</b>					
<b>3.1</b>	<b>earthworks</b>					
3.1.1	Filling with imported material (material stockpile from Damac lagoon project area)	1,180.00	m3	10.00	11,800.00	
3.1.2	Excavation for cuttings in material other than top soil, rock or artificial hard material- For Cut-Provisional item	250.00	m3	20.00	5,000.00	
3.1.3	Disposal of unsuitable excavated material to approved tip. (Including haulage)-Provisional item	100.00	m3	21.00	2,100.00	
3.1.4	Filling of excavated selected materials other than top soil or rock-Provisional item	150.00	m3	20.00	3,000.00	
<b>3.2</b>	<b>hard landscaping</b>					
<b>3.2.1</b>	<b>Sub Grade</b>					
3.2.1.1	Compacted Sub-grade to receive pavings and surfacing, complete as shown on the drawings and specifications					
3.2.1.1.1	500mm thick proposed Existing subgrade layer with soaked CBR>15%MDD	50.00	m2	4.00	200.00	
3.2.1.1.2	Proposed Existing subgrade with soaked CBR>15%	100.00	m2	4.00	400.00	
<b>3.2.2</b>	<b>Sub Bases</b>					
3.2.2.1	Compacted Sub-base to receive pavings and surfacing, complete as shown on the drawings and specifications					
3.2.2.1.1	150mm thick Subbase - 80 mm Paver	230.00	m2	17.00	3,910.00	
3.2.2.1.2	150mm thick Subbase - 60 mm Paver	3,705.00	m2	17.00	62,985.00	
<b>3.2.3</b>	<b>Concrete Base</b>					
3.2.3.1	Concrete base with mortar to receive pavings and surfacing, complete as shown on the drawings and specifications					
3.2.3.1.1	185mm thick	680.00	m2	56.00	38,080.00	
<b>3.2.4</b>	<b>Pavings, Band &amp; Edgings</b>					
3.2.4.1	Bands & Edgings					
3.2.4.1.1	Pre-cast paving bands bedded on mortar bed with grouted joints complete with all associated works as per drawing and specifications.					
3.2.4.1.1.1	250mm Wide Band, Ref: PB6	2,710.00	m	50.00	135,500.00	
3.2.4.2	Pavings					
3.2.4.2.1	80mm Precast concrete paver Block bedded on 40mm thick sand bed with joints filled in sand as per drawing and specifications.					
3.2.4.2.1.1	Paving, Ref: P21A-250x250x80mm thk	140.00	m2	123.00	17,220.00	
3.2.4.2.1.2	Paving, Ref: P21-250x250x80mm thk	90.00	m2	123.00	11,070.00	
3.2.4.2.2	60mm Precast concrete paver Block bedded on 40mm thick sharp sand bed with joints filled in sand as per drawing and specifications.					
3.2.4.2.2.1	Paving, Ref: P22-250x250x60mm thk	210.00	m2	116.00	24,360.00	
3.2.4.2.2.2	Paving, Ref: P21-250x250x60mm thk	2,320.00	m2	116.00	269,120.00	
3.2.4.2.2.3	Paving, Ref: P8-250x250x60mm thk	1,175.00	m2	86.00	101,050.00	
3.2.4.2.3	Supply & fixing of Mowing Edge complete as per drawing and specification					
3.2.4.2.3.1	Mowing edge-PB4	35.00	m	56.00	1,960.00	
3.2.4.2.4	Geotextile Fabric					
3.2.4.2.4.1	Supply & installation geotextile fabric as per drawing and specifications.					
3.2.4.2.4.1.1	Ref: GEOTEXTILE FABRIC	110.00	m2	11.00	1,210.00	
3.2.4.2.5	Supply & laying of Aluminium edge paver complete as per drawing and specification					
3.2.4.2.5.1	Aluminium Edger-PB3	380.00	m	63.00	23,940.00	
3.2.4.2.6	Supply & laying of gravel in service area 10-20mm dia complete as per drawing and specification					
3.2.4.2.6.1	Ref:GS1	110.00	m2	28.00	3,080.00	
<b>3.2.4.3</b>	<b>FURNITURES</b>					
3.2.4.3.1	Supply and fix the following landscape furniture including all associated works complete as detailed on drawing and specification.					
3.2.4.3.1.1	SF2-Recycle bin	15.00	nr	-	EXCLUDED	
3.2.4.3.1.2	SF3-Precast concrete bench					
3.2.4.3.1.3	2.5 X 0.5 X 0.45 m	37.00	nr	-	EXCLUDED	
3.2.4.3.1.4	2.0 X 0.5 X 0.45 m	4.00	nr	-	EXCLUDED	
3.2.4.3.1.5	SF4-Picnic Table set	3.00	nr	-	EXCLUDED	
3.2.4.3.1.6	SF8-Seat wall-Cast in situ	40.00	Rmt	-	EXCLUDED	
3.2.4.3.1.7	SF6-Bicycle rack	4.00	nr	-	EXCLUDED	
3.2.4.3.1.8	SF7-Pebble Seating-1880X1170X470mm depth	10.00	nr	-	EXCLUDED	
3.2.4.3.1.9	SF7-Pebble Seating-1950x1920x190mm depth	6.00	nr	-	EXCLUDED	
3.2.4.3.1.10	SF9-Drinking water fountain	4.00	nr	-	EXCLUDED	
3.2.4.3.1.11	T1-Trellis-Linear park pergola shade structure	3.00	nr	-	EXCLUDED	
3.2.4.4	fitness equipment					
3.2.4.4.1	Supply & fixing of Fitness equipment complete with all accessories as per drawing & specification					
3.2.4.4.1.1	FE1-Cross Trainer	1.00	nr	-	EXCLUDED	
3.2.4.4.1.2	FE2-Core twist	1.00	nr	-	EXCLUDED	
3.2.4.4.1.3	FE3-Free Runner and cross trainer	1.00	nr	-	EXCLUDED	
<b>3.3</b>	<b>soft landscaping</b>					
<b>3.3.1</b>	<b>Supply and Planting of Palm trees in prepared planting pits including necessary surface preparation,beddings, protections,tree stakes,tree ties,excavation and disposal, backfilling with sweet soil,moisture additive Complete as per drawing and specifications.</b>					
3.3.1.1	Phoenix dactylifera Ref:P/PHOE-D	21.00	nr	2,304.00	48,384.00	As per Tender clarification To remove soil additives

INCLUDED IN P.S  
ITEM 500,000AED

Green walls Specialist





SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
3.3.2	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.					
3.3.2.1	Azadirachta indica, Ref: T/AZAD-I	28.00	nr	915.00	25,620.00	As per Tender clarification To remove soil additives
3.3.2.2	Millingtonia hortensis, Ref: T/MILL-H	30.00	nr	1,030.00	30,900.00	
3.3.2.3	Plumeria obtusa, Ref:T/PLUM-O	81.00	nr	1,203.00	97,443.00	
3.3.2.4	Tabebuia rosea, Ref: T/TABE-R	10.00	nr	1,030.00	10,300.00	
3.3.2.5	Terminalia catappa, Ref: T/ALBI-L	8.00	nr	1,030.00	8,240.00	
3.3.2.6	PONGAMIA PINNATA Ref: T/PONG-P	42.00	nr	1,088.00	45,696.00	
3.3.2.7	Cassia fistula Ref:T/CASS-F	4.00	nr	1,030.00	4,120.00	
3.3.2.8	Terminalia mantaly Ref:T/TERM-M	5.00	nr	1,030.00	5,150.00	
3.3.2.9	Peltophorum pterocarpum Ref:T/PELT-P	6.00	nr	1,030.00	6,180.00	
3.3.2.10	Delonix regia, Ref:T/DELO-R	11.00	nr	1,030.00	11,330.00	
3.3.2.11	Hibiscus tiliaceus Ref:T/HIBI-T	21.00	nr	915.00	19,215.00	
3.3.3	Supply & installation of Root barrier for trees with complete all associated works as per drawing & specification.					
3.3.3.1	Root Barrier	2,403.00	m2	31.00	74,493.00	
3.3.4	Supply and planting of Shrubs on prepared planting beds including surface preparation ,excavation and disposal, backfilling with sweet soil ,moisture additive and necessary ancillary material complete as per drawing and specifications.					
3.3.4.1	Bougainvillea glabra white Ref: S/BOUG-GW	527.00	nr	23.00	12,121.00	As per Tender clarification To remove soil additives
3.3.4.2	Bougainvillea glabra nana red Ref: S/BOUG-GNR	1,445.00	nr	23.00	33,235.00	
3.3.4.3	Bougainvillea glabra pink pixie Ref: S/BOUG-PP	3,732.00	nr	23.00	85,836.00	
3.3.4.4	Bougainvillea glabra pink Ref: S/BOUG-GP	1,069.00	nr	23.00	24,587.00	
3.3.4.5	Clerodendrum inerme Ref: S/CLER-I	2,042.00	nr	21.00	42,882.00	
3.3.4.6	Leucophyllum frutescens Ref: S/LEUC-F	1,521.00	nr	26.00	39,546.00	
3.3.4.7	Caesalpinia pulcherrima Ref: S/CAES-P	493.00	nr	26.00	12,818.00	
3.3.4.8	Dodonea viscosa Ref: S/DODO-V	1,236.00	nr	21.00	25,956.00	
3.3.4.9	Vitex agnus castus Ref: S/VITE-AC	88.00	nr	21.00	1,848.00	
3.3.4.10	Wrightia antidysenterica Ref: S/WRIG-A	158.00	nr	23.00	3,634.00	
3.3.5	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.					
3.3.5.1	Alternanthera versicolor Ref: GC/ALTE-V	2,131.00	nr	8.00	17,048.00	As per Tender clarification To remove soil additives
3.3.5.2	Gazania uniflora Ref: GC/GAZA-U	5,284.00	nr	8.00	42,272.00	
3.3.5.3	Sesuvium portulacastrum Ref: GC/SESU-PR	1,003.00	nr	7.00	7,021.00	
3.3.5.4	Sesuvium portulacastrum 'Red Form' Ref: GC/SESU-P	200.00	nr	7.00	1,400.00	
3.3.5.5	Asystasia gangetica Ref: GC/ASYS-G	6,721.00	nr	7.00	47,047.00	
3.3.5.6	Carissa macrocarpa 'green carpet', Ref:GC/CARI-GC	2,417.00	nr	10.00	24,170.00	
3.3.5.7	Ficus microcarpa 'green island', Ref: GC/FICU-MGI	2,469.00	nr	14.00	34,566.00	
3.3.5.8	Ruellia ciliosa Ref: GC/RUEL-C	4,054.00	nr	12.00	48,648.00	
3.3.6	Supply and planting of Lawn planted on prepared planting beds including excavation and disposal, backfilling with sweet soil as drawing and specifications.					
3.3.6.1	Paspalum vaginatum Ref: L/PASP-V	1,656.00	m2	40.00	66,240.00	As per Tender clarification To remove soil additives
3.3.7	Supply & laying of mulch in the planting area as specified to a minimum depth of 70 mm complete as per specification for shrubs ,ground covers with the exception of areas where horizontally / low spreading groundcovers and lawn have been planted and succulent plants with loose gravel surfaces	4,945.00	m2	17.00	84,065.00	
3.3.8	Park-Lighting					
3.3.8.1	Supply, install and connect Light fittings including power connection from the nearest power source,including cable,ducts all complete in accordance with Drawings, Specifications and to Engineer's approval:					V.E. Same Specs as per DH2 Park and Malibu
3.3.8.1.1	Uplight with Earth Spike-UL1	29.00	nr	1,134.00	32,886.00	
3.3.8.1.2	Uplight with Earth Spike-UL2	113.00	nr	1,134.00	128,142.00	
3.3.8.1.3	Pole mounted lamp-LP2-Columnar-asymmetrical beam	34.00	nr	6,696.00	227,664.00	
3.3.8.1.4	Bracket Light-BR1	5.00	nr	1,181.00	5,905.00	
3.3.8.1.5	Bracket Light-BR2	12.00	nr	1,181.00	14,172.00	
3.3.8.1.6	Bollard Light-BL1	106.00	nr	1,449.00	153,594.00	
3.3.8.1.7	Bollard Light-BL2	12.00	nr	1,449.00	17,388.00	
3.3.8.1.8	led strip light	37.00	Rmt	981.00	36,297.00	
3.3.8.2	Feeder pillar for (linear park,neighbourhood park,buffer area)					
3.3.8.2.1	Mass concrete foundation for feeder pillar including excavation,backfilling,concrete,formwork,anchor bolts,cover plates,protection of holding down bolts,nuts,washer with denso tape with all associated works complete as detailed on drawing and specification.	6.00	nr	11,169.00	RATE ONLY	
3.3.8.2.1.1	Supply and install the landscape lighting feeder pillars with proposed concrete protection, kW-hR meter and all other accessories including termination of cables, earthing and commissioning etc. complete all associated works complete as per drawing and specification.	6.00	nr	26,019.00	RATE ONLY	
3.3.9	structural					
3.3.9.1	Supply and fix of Shade fabric (seating area) -HDPE UV stabilized material with hollow steel post with supports including all associated works such as earthworks, foundation, brackets, all complete as per specification and as detailed on drawings.					
3.3.9.1.1	shade structure	120.00	m2	722.00	86,640.00	

Green walls Specialist



SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
<b>3.3.10</b>	<b>miscellaneous works</b>					
3.3.10.1	maintenance					
3.3.10.1.1	Allow for the maintenance of one calendar year of soft cape landscape, including all material, labour, supervision, dead plant replacement etc.after substantial completion & handing over.	1.00	Item	122,500.00	122,500.00	
<b>4</b>	<b>BILL NO. 4 - NEIGHBOURHOOD PARK</b>					
<b>4.1</b>	<b>earthworks</b>					
4.1.1	Filling with imported material (material stockpile from Damac lagoon project area)	570.00	m3	10.00	5,700.00	
4.1.2	Excavation for cuttings in material other than top soil, rock or artificial hard material- For Cut-Provisional item	120.00	m3	20.00	2,400.00	
4.1.3	Disposal of unsuitable excavated material to approved tip. (Including haulage)-Provisional item	50.00	m3	21.00	1,050.00	
4.1.4	Filling of excavated selected materials other than top soil or rock-Provisional item	73.00	m3	20.00	1,460.00	
<b>4.2</b>	<b>hard landscaping</b>					
<b>4.2.1</b>	<b>Sub Grade</b>					
4.2.1.1	Compacted Sub-grade to receive pavings and surfacing, complete as shown on the drawings and specifications					
4.2.1.1.1	500mm thick proposed Existing Subgrade layer with soaked CBR>15%MDD (Provisional)	100.00	m2	4.00	400.00	
<b>4.2.2</b>	<b>Sub Bases</b>					
4.2.2.1	Compacted Sub-base to receive pavings and surfacing, complete as shown on the drawings and specifications					
4.2.2.1.1	150mm thick Subbase - 60 mm Paver	1,885.00	m2	17.00	32,045.00	
<b>4.2.3</b>	<b>Concrete Base</b>					
4.2.3.1	185 mm Concrete base with mortar to receive pavings and surfacing, complete as shown on the drawings and specifications					
4.2.3.1.1	185mm thick concrete base-For PB6,PB5 Band	395.00	m2	56.00	22,120.00	
<b>4.2.4</b>	<b>Pavings, Band &amp; Edgings</b>					
4.2.4.1	Bands & Edgings					
4.2.4.1.1	Pre-cast paving bands bedded on mortar bed with grouted joints as per drawing and specifications.					
4.2.4.1.1.1	250mm Wide Band, Ref: PB6	1,580.00	m	50.00	79,000.00	
<b>4.2.5</b>	<b>60mm Precast concrete paver Block bedded on 40mm thick sand bed joints filled in sand as per drawing and specifications.</b>					
4.2.5.1	Paving, Ref: P21-250x250x60mm thk	1,280.00	m2	116.00	148,480.00	
4.2.5.2	Paving, Ref: P7-100x100x60mm thk	605.00	m2	83.00	50,215.00	
<b>4.2.6</b>	<b>Supply &amp; fixing of Mowing Edge with all associated works complete as per drawing and specification</b>	23.00	m	56.00	1,288.00	
<b>4.2.7</b>	<b>Supply &amp; fixing of geotextile fabric complete as per drawing and specifications.</b>					
4.2.7.1	Ref:GEOTEXTILE FABRIC	105.00	m2	11.00	1,155.00	
<b>4.2.8</b>	<b>Supply &amp; laying of Aluminium edge paver with all associated works complete as per drawing and specification</b>					
4.2.8.1	Aluminium Edger-PB3	455.00	m	63.00	28,665.00	
<b>4.2.9</b>	<b>Supply &amp; laying of gravel in service area 10-20mm dia as per below light poles complete as per drawing and specification</b>					
4.2.9.1	Ref:GS1	105.00	m2	28.00	2,940.00	
<b>4.2.10</b>	<b>Supply &amp; laying of 18 mm thick EPDM surface complete as per drawing and specification</b>					
4.2.10.1	EPDM-Ref P23	640.00	m2	-	EXCLUDED	INCLUDED IN P.S ITEM 500,000AED
<b>4.2.11</b>	<b>Supply &amp; fixing of Steel fence in kids play area with steel post,all accessories including excavation,backfilling with all associated works complete as per drawing and specification</b>					
4.2.11.1	STEEL FENCE	135.00	m	846.00	114,210.00	
<b>4.2.12</b>	<b>FURNITURES</b>					
4.2.12.1	Supply and fix the following landscape furniture including all associated works complete as detailed on drawing and specification.					
4.2.12.1.1	SF2-Recycle bin	14.00	nr	-	EXCLUDED	
4.2.12.1.2	SF3-Precast concrete bench	0.00			EXCLUDED	
4.2.12.1.2.1	2.0 X 0.5 X 0.45 m	31.00	nr	-	EXCLUDED	NCLUDED IN P.S ITEM 500,000AED
4.2.12.1.2.2	1.0 X 0.5 X 0.45 m	4.00	nr	-	EXCLUDED	
4.2.12.1.2.3	SF4-Picnic Table set	9.00	nr	-	EXCLUDED	
4.2.12.1.2.4	SF5-Barbeque station	3.00	nr	-	EXCLUDED	
4.2.12.1.2.5	SF6-Bicycle rack	4.00	nr	-	EXCLUDED	
4.2.12.1.2.6	SF9-Drinking water fountain	4.00	nr	-	EXCLUDED	
4.2.12.1.2.7	T1-Trellis-Neighbourhood Park Pergola Shade structure	7.00	nr	-	EXCLUDED	
<b>4.2.13</b>	<b>Play Equipments</b>					
4.2.13.1	Supply & fixing of Play equipments complete with all complete required accessories as per drawing & specification .					
4.2.13.1.1	PE1-SWNG with 2 seats	1.00	nr	-	EXCLUDED	
4.2.13.1.2	PE2-Seesaw with 3 seats	1.00	nr	-	EXCLUDED	
4.2.13.1.3	PE3-Circite with 3 seats	1.00	nr	-	EXCLUDED	
4.2.13.1.4	PE4-Stilts	1.00	nr	-	EXCLUDED	
4.2.13.1.5	PE5-Jumper around	1.00	nr	-	EXCLUDED	
4.2.13.1.6	PE6-Double, slide,Tunnel-Mixed slides and mound	1.00	nr	-	EXCLUDED	
4.2.13.1.7	PE7-Crawl Tunnel	1.00	nr	-	EXCLUDED	
4.2.13.1.8	PE8-Spinner plate	1.00	nr	-	EXCLUDED	
4.2.13.1.9	PE9-BEE Springer	1.00	nr	-	EXCLUDED	
4.2.13.1.10	PE10-Snail Springer	1.00	nr	-	EXCLUDED	

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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
<b>4.2.14</b>	<b>Shades</b>					
4.2.14.1	Supply & fixing of Shade Fabric- HDPE UV stabilized material with hollow steel post complete scope with all required accessories with pit excavation as per drawing & specification .					
4.2.14.1.1	Shades Fabric-Kids play area	481.00	m2	722.00	347,282.00	
<b>4.2.15</b>	<b>gate</b>					
4.2.15.1	Supply & fixing of Gate with horizontal,vertical bars ,hollow steel post complete with all required accessories as per drawing & specification .					
4.2.15.1.1	gate	2.00	nr	3,778.00	7,556.00	
<b>4.3</b>	<b>soft landscaping</b>					
<b>4.3.1</b>	<b>Supply and Planting of Palm trees in prepared planting pits including necessary surface preparation,beddings, protections,tree stakes,excavation and disposal, backfilling with sweet soil ,moisture additive Complete as per drawing and specifications.</b>					
4.3.1.1	Phoenix dactylifera Ref:P/PHOE-D	15.00	nr	2,304.00	34,560.00	As per Tender clarification To remove soil additives
<b>4.3.2</b>	<b>Supply and Planting of Trees in prepared planting pits including necessary surface preparation,beddings, protections,excavation and disposal, backfilling and necessary ancillary material Complete as per drawing and specifications.</b>					
4.3.2.1	Millingtonia hortensis, Ref: T/MILL-H	21.00	nr	1,030.00	21,630.00	As per Tender clarification To remove soil additives
4.3.2.2	Tabebuia rosea, Ref: T/TABE -R	10.00	nr	1,030.00	10,300.00	
4.3.2.3	PONGAMIA PINNATA Ref: T/PONG-P	28.00	nr	1,088.00	30,464.00	
4.3.2.4	Cassia fistula Ref:T/CASS-F	4.00	nr	1,030.00	4,120.00	
4.3.2.5	Peltophorum pterocarpum Ref:T/PELT-P	4.00	nr	1,030.00	4,120.00	
4.3.2.6	Olea europea Ref:T/OLEA-E	1.00	nr	5,348.00	5,348.00	
4.3.2.7	Tabebuia argentea Ref:T/TABE-A	10.00	nr	1,030.00	10,300.00	
4.3.2.8	Delonix regia Ref: T/DELO-R	11.00	nr	1,030.00	11,330.00	
<b>4.3.3</b>	<b>Supply &amp; installation of Root barrier for trees with complete all associated works as per drawing &amp; specification.</b>					
4.3.3.1	Root Barrier	936.00	m2	31.00	29,016.00	
<b>4.3.4</b>	<b>Supply and planting of Shrub 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.</b>					
4.3.4.1	Bougainvillea glabra white Ref: S/BOUG-GW	654.00	nr	23.00	15,042.00	As per Tender clarification To remove soil additives
4.3.4.2	Bougainvillea glabra nana red Ref: S/BOUG-GNR	1,097.00	nr	23.00	25,231.00	
4.3.4.3	Bougainvillea glabra pink pixie Ref: S/BOUG-PP	620.00	nr	23.00	14,260.00	
4.3.4.4	Ruellia ciliosa Ref: S/RUEL-C	308.00	nr	23.00	7,084.00	
4.3.4.5	Wrightia antidysenterica Ref: S/WRIG-A	620.00	nr	23.00	14,260.00	
4.3.4.6	Leucophyllum frutescens Ref: S/LEUC-F	386.00	nr	26.00	10,036.00	
4.3.4.7	Caesalpinia pulcherrima Ref: S/CAES-P	240.00	nr	26.00	6,240.00	
<b>4.3.5</b>	<b>Supply and planting of Ground Covers on planting beds with surface preparation including excavation and disposal, backfilling with sweet soil ,moisture additive complete as per drawing and specifications.</b>					
4.3.5.1	Carissa macrocarpa 'green carpet, Ref: GC/CARI-GC	1,338.00	nr	10.00	13,380.00	As per Tender clarification To remove soil additives
4.3.5.2	Lantana montevidensis, Ref: GC/ASYUS-G	3,097.00	nr	10.00	30,970.00	
4.3.5.3	Ficus microcarpa 'green island', Ref: GC/FICU-MGI	750.00	nr	14.00	10,500.00	
4.3.5.4	Ruellia ciliosa, Ref: GC/RUEL-C	813.00	nr	23.00	18,699.00	
4.3.5.5	Wedelia trilobata, Ref: GC/WEDE-T	1,288.00	nr	8.00	10,304.00	
4.3.5.6	Sesuvium portulacastrum 'Red Form', Ref:GC/SESU-P	1,796.00	nr	7.00	12,572.00	
<b>4.3.6</b>	<b>Supply and planting of Lawn planted on prepared planting beds including excavation and disposal, backfilling with sweet soil complete as per drawing and specifications.</b>					
4.3.6.1	Paspalum vaginatum, Ref: L/PASP-V	1,158.00	m2	40.00	46,320.00	As per Tender clarification To remove soil additives
<b>4.3.7</b>	<b>Supply &amp; laying of mulch in the planting area as specified to a minimum depth of 70 mm complete as per specification for shrubs ,ground covers with the exception of areas where horizontally / low spreading groundcovers and lawn have been planted and succulent plants with loose gravel surfaces</b>	1,515.00	m2	17.00	25,755.00	
<b>4.3.8</b>	<b>Park-Lighting</b>					
4.3.8.1	Supply, install and connect Light fittings including power connection from the nearest power source, including cable,duct all complete in accordance with Drawings, Specifications and to Engineer's approval:					
4.3.8.1.1	Uplight with Earth Spike-UL1	22.00	nr	1,134.00	24,948.00	V.E. Same Specs as per DH2 Park and Malibu
4.3.8.1.2	Uplight with Earth Spike-UL2	14.00	nr	1,134.00	15,876.00	
4.3.8.1.3	Pole mounted lamp-LP1-Columnar-symmetrical beam	6.00	nr	6,696.00	40,176.00	
4.3.8.1.4	Pole mounted lamp-LP2-Columnar-asymmetrical beam	8.00	nr	6,696.00	53,568.00	
4.3.8.1.5	Bracket Light-BR1	11.00	nr	1,181.00	12,991.00	
4.3.8.1.6	Bracket Light-BR2	20.00	nr	1,181.00	23,620.00	
4.3.8.1.7	Bollard Light-BL2	4.00	nr	1,449.00	5,796.00	
4.3.8.1.8	Bollard Light-BL1	63.00	nr	1,449.00	91,287.00	
4.3.8.1.9	Recessed underwater light with nozzle	9.00	nr	17,999.00	161,991.00	

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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
<b>4.4</b>	<b>Dry Feature-Fountain Works</b>					
4.4.1	Supply and fix the following items for Dry Feature-Fountain works in neighbourhood park including all associated works such as earthworks, foundation, RCC , masonry,Pumproom , roof top ,Finishes and electrical, mechanical all associated works complete as per drawing & specification					
4.4.1.1	excavation	120	m3			
4.4.1.2	Back filling with excavated materials	10	m3			
4.4.1.3	Disposal of unsuitable excavated material to approved tip. (Including haulage)	110	m3			
4.4.1.4	In-situ Plain Concrete - Blinding 100 thick	80	m2			
4.4.1.5	In-situ Reinforced Concrete - Foundation	30	m3			
4.4.1.6	In-situ Reinforced Concrete - Walls	20	m3			
4.4.1.7	In-situ Reinforced Concrete - Roof Slab	10	m3			
4.4.1.8	In-situ Reinforced Concrete - Concrete Pads	2	m3			
4.4.1.9	Reinforcement - Deformed High grade steel	8750	kg			
4.4.1.10	Formwork / Shuttering: Vertical Surfaces	130	m2			
4.4.1.11	Formwork / Shuttering: Horizontal Surfaces	30	m2			
4.4.1.12	external waterproofing	190	m2			
4.4.1.13	internal finishes	160	m2			
4.4.2	Supply and install the following metal works including all accessories complete as per drawing & specification.					
4.4.2.1	Grating for Drain	8	m			
4.4.2.2	Access Cover; Size: 0.6 x 0.6 m	1	nr			
4.4.2.3	Access Cover; Size: 1.0 x 1.0 m	2	nr			
4.4.2.4	Access Cover; Size: 1.8 x 1.0 m	1	nr			
4.4.3	Supply and installation of the following mechanical works including all accessories complete as per drawing & specification.					
4.4.3.1	Circulation Pumps - Horizontal Centrifugal End Suction - Flow Rate 14.5 m3 / hr	3	nr			
4.4.3.2	Submersible Pumps - Flow Rate 5.4 m3 / hr	2	nr			
4.4.3.3	Automatic Sand Filter - Flow rate 29 m3 / hr	1	nr			
4.4.3.4	Compensation Tank Capacity - 5 m3	1	nr			
4.4.3.5	Gates Valves	17	nr			
4.4.3.6	ball valves	2	nr			
4.4.3.7	non return valves	5	nr			
4.4.3.8	Dry water feature assemble with nozzle, light, drain grating, water switch, flexible hose etc.,complete	8	nr			
4.4.3.9	Botton Drain with grating	4	nr			
4.4.3.10	All Pipes works (63 & 75mm dia) including fittings connecting circulation pumps, dry water features, sand filter, water tank, over flow drain etc., complete	100	m			
4.4.3.11	Level Switches & Mechanical Floats	1	Sum			
4.4.3.12	Pressure switch, Pressure indicator, Pressure Transmitter	1	Sum			
4.4.3.13	HVAC & Fire Fighting works for Pump room	1	Sum			
4.4.4	Supply and installation of the following Electrical works including all accessories complete as per drawing & specification.					
4.4.4.1	Power Cable from Feeder pilla to MCC Panel - 4c x 25 sqmm Cu/XLPE/SWA/PVC - Direct buired cables including excavation & backfilling.	80	m	160.00	12,800.00	
4.4.4.2	KWH meter including foundation	1	nr	12,400.00	12,400.00	
4.4.4.3	Electrical Manholes	1	nr	4,000.00	4,000.00	
4.4.4.4	CTB - Outdoor Generator connection terminal Box IP55	1	nr	2,500.00	2,500.00	
4.4.4.5	Motor Control Center ( MCC- FPR)	1	nr	15,000.00	15,000.00	
4.4.4.6	Submersible pump - Control Panel ( SPCP)	1	nr	4,500.00	4,500.00	
4.4.4.7	Lighting Control Panel ( ELCP)	1	nr	4,000.00	4,000.00	
4.4.4.8	PLC & SCADA Panel	1	nr	8,000.00	8,000.00	
4.4.4.9	Emergency Push button - IP65	3	nr	500.00	1,500.00	
4.4.4.10	exhaust fan	1	nr	6,350.00	6,350.00	
4.4.4.11	Surface Mounted LED luminarie -57W - Type01	2	nr	600.00	1,200.00	
4.4.4.12	Surface Mounted LED luminarie -57W - Type02 with 3 hr battery backup	1	nr	600.00	600.00	
4.4.4.13	Light switch 10A - one way IP54	1	nr	300.00	300.00	
4.4.4.14	Outlet Socket 13A - IP55	2	nr	600.00	1,200.00	
4.4.4.15	Outlet Socket 32A - IP 54	1	nr	700.00	700.00	
4.4.4.16	Disconnection Switch	1	nr	900.00	900.00	
4.4.4.17	Power cables from MCC to DB / CP & fixtures/ equipments including, PVC duct/Conduit , cable trays etc.,	1	sum	10,000.00	10,000.00	
<b>4.5</b>	<b>miscellaneous works</b>					
<b>4.5.1</b>	<b>maintenance</b>					
4.5.1.1	Allow for the maintenance of one calendar year of soft cape landscape, including all material, labour, supervision, dead plant replacement etc.after substantial completion & handing over.	1.00	Item	51,000.00	51,000.00	
<b>5</b>	<b>BILL NO. 5 - BUFER AREA PARK</b>					
<b>5.1</b>	<b>earthworks</b>					
5.1.1	Filling with imported material (material stockpile from Damac lagoon project area)	1,383.00	m3	10.00	13,830.00	
5.1.2	Excavation for cuttings in material other than top soil, rock or artificial hard material- For Cut-Provisional item	294.00	m3	20.00	5,880.00	
5.1.3	Disposal of unsuitable excavated material to approved tip. (Including haulage)-Provisional item	120.00	m3	21.00	2,520.00	
5.1.4	Filling of excavated selected materials other than top soil or rock-Provisional item	175.00	m3	20.00	3,500.00	
<b>5.2</b>	<b>hard landscaping</b>					

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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
<b>5.2.1</b>	<b>Sub Grade</b>					
5.2.1.1	Compacted Sub-grade to receive pavings and surfacing, complete as shown on the drawings and specifications					
5.2.1.1.1	Proposed Existing subgrade with soaked CBR>15% (Provisional)	100.00	m2	4.00	400.00	
<b>5.2.2</b>	<b>Sub Bases</b>					
5.2.2.1	Compacted Sub-base to receive pavings and surfacing, complete as shown on the drawings and specifications					
5.2.2.1.1	150mm thick Subbase - 60 mm Paver	4,608.00	m2	17.00	78,336.00	
<b>5.2.3</b>	<b>Concrete Base</b>					
5.2.3.1	Concrete base to receive pavings and surfacing, complete as shown on the drawings and specifications					
5.2.3.1.1	185mm thick -For PB6,PB5	1,060.00	m2	56.00	59,360.00	
<b>5.2.4</b>	<b>Pavings, Band &amp; Edgings</b>					
5.2.4.1	Bands & Edgings					
5.2.4.1.1	Pre-cast paving bands bedded on mortar bed with grouted joints as per drawing and specifications.					
5.2.4.1.1.1	150mm Wide Band, Ref: PB5	6,450.00	m	30.00	193,500.00	
5.2.4.1.1.2	250mm Wide Band, Ref: PB6	365.00	m	50.00	18,250.00	
5.2.4.1.2	60mm Precast concrete paver Block bedded on 40mm thick sand bed with joints filled in sand as per drawing and specifications.					
5.2.4.1.2.1	Paving, Ref: P7-100x100x60mm thk	3,296.00	m2	83.00	273,568.00	
5.2.4.1.2.2	Paving, Ref: P21-250x250x60mm thk	212.00	m2	116.00	24,592.00	
5.2.4.1.2.3	Paving, Ref: PB1-200x100x60mm thk	575.00	m2	88.00	50,600.00	
5.2.4.1.2.4	Paving, Ref: P8-250x250x60mm thk	525.00	m2	86.00	45,150.00	
5.2.4.1.3	Supply & fixing of geotextile Fabric as per drawing and specifications.					
5.2.4.1.3.1	Ref: GEOTEXTILE FABRIC	1,735.00	m2	11.00	19,085.00	
5.2.4.1.4	Supply & laying of Aluminium edge paver including all associated works complete as per drawing and specification					
5.2.4.1.4.1	Aluminium Edger-PB3	1,835.00	m	63.00	115,605.00	
5.2.4.1.5	Supply & laying of gravel in service area 10-20mm dia as per below light poles complete as per drawing and specification					
5.2.4.1.5.1	Ref:GS1	1,735.00	m2	28.00	48,580.00	
5.2.4.1.6	Supply & fixing of boulders with all associated works base layer complete as per drawings & specification.					
5.2.4.1.6.1	Boulder-A	157.00	nr	416.00	65,312.00	
5.2.4.1.6.2	Boulder-B	122.00	nr	359.00	43,798.00	
5.2.4.1.6.3	Boulder-C	125.00	nr	301.00	37,625.00	
5.2.4.1.7	FURNITURES					
5.2.4.1.7.1	Supply and fix the following landscape furniture including all associated works complete as detailed on drawing and specification.					
5.2.4.1.7.1.1	SF2-Recycle bin	7.00	nr	-	EXCLUDED	
5.2.4.1.7.1.2	SF3-Precast concrete bench-2.0 x 0.50 x 0.45m	20.00	nr	-	EXCLUDED	
<b>5.3</b>	<b>soft landscaping</b>					
<b>5.3.1</b>	<b>Supply and Planting of Palm trees in prepared planting pits including necessary surface preparation,beddings, protections,tree stakes,excavation and disposal, backfilling with sweet soil moisture additive Complete as per drawing and specifications.</b>					
5.3.1.1	Phoenix dactylifera Ref:P/PHOE-D	9.00	nr	2,304.00	20,736.00	As per Tender clarification To remove soil additives
<b>5.3.2</b>	<b>Supply and Planting of Trees in prepared planting pits including necessary surface preparation beddings, protections,excavation and disposal, backfilling and necessary ancillary material Complete as per drawing and specifications.</b>					
5.3.2.1	Azadirachta indica, Ref: T/AZAD-I	139.00	nr	915.00	127,185.00	
5.3.2.2	Millingtonia hortensis, Ref: T/MILL-H	23.00	nr	1,030.00	23,690.00	
5.3.2.3	Plumeria obtusa, Ref:T/PLUM-O	24.00	nr	1,203.00	28,872.00	
5.3.2.4	Tabebuia rosea, Ref: T/TABE -R	32.00	nr	1,030.00	32,960.00	
5.3.2.5	Terminalia catappa, Ref: T/ALBI-L	15.00	nr	1,030.00	15,450.00	
5.3.2.6	PONGAMIA PINNATA Ref: T/PONG-P	34.00	nr	1,088.00	36,992.00	
5.3.2.7	Cassia fistula Ref:T/CASS-F	8.00	nr	1,030.00	8,240.00	
5.3.2.8	Tabebuia argentea Ref:T/TABE-A	24.00	nr	1,030.00	24,720.00	
5.3.2.9	Cassia siamea Ref:T/CASS-S	10.00	nr	1,030.00	10,300.00	
<b>5.3.3</b>	<b>Supply &amp; installation of Root barrier for trees with complete all asociated works as per drawing &amp; specification.</b>					
5.3.3.1	Root Barrier	2,862.00	m2	31.00	88,722.00	

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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
5.3.4	Supply and planting of Shrubs on prepared planting beds including surface preparation ,excavation and disposal, backfilling with sweet soil ,moisture additiveand necessary ancillary material complete as per drawing and specifications.					
5.3.4.1	Bougainvillea glabra white Ref: S/BOUG-GW	6,099.00	nr	23.00	140,277.00	As per Tender clarification To remove soil additives
5.3.4.2	Bougainvillea glabra nana red Ref: S/BOUG-GNR	2,180.00	nr	23.00	50,140.00	
5.3.4.3	Bougainvillea glabra pink pixie Ref: S/BOUG-PP	4,056.00	nr	23.00	93,288.00	
5.3.4.4	Bougainvillea glabra pink Ref: S/BOUG-GP	1,472.00	nr	23.00	33,856.00	
5.3.4.5	Caesalpinia pulcherrima Ref: S/CAES-P	940.00	nr	26.00	24,440.00	
5.3.4.6	Clerodendrum inerme Ref: S/CLER-I	1,553.00	nr	21.00	32,613.00	
5.3.4.7	Leucophyllum frutescens Ref: S/LEUC-F	383.00	nr	26.00	9,958.00	
5.3.4.8	Dodonea viscosa Ref: S/DODO-V	2,949.00	nr	21.00	61,929.00	
5.3.4.9	Wrightia antidysentericaRef: S/WRIG-A	1,950.00	nr	23.00	44,850.00	
5.3.4.10	Agave attenuata Ref: S/AGAV-A	158.00	nr	53.00	8,374.00	
5.3.5	Supply and planting of Hedges planted on planting beds with surface preparation including excavation and disposal, backfilling with sweet soil , moisture additive complete as per drawing and specifications.					
5.3.5.1	Dodonea viscosa Ref: H/DODO-V	2,091.00	nr	21.00	43,911.00	As per Tender clarification To remove soil additives
5.3.5.2	Clerodendrum inerme Ref: H/CLER-I	3,974.00	nr	26.00	103,324.00	
5.3.5.3	Leucophyllum frutescens Ref: H/LEUC-F	3,326.00	nr	26.00	86,476.00	
5.3.6	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.					
5.3.6.1	Atriplex semibaccata, Ref: GC/ARTI-S	870.00	nr	15.20	13,224.00	As per Tender clarification To remove soil additives
5.3.6.2	Gazania uniflora, Ref: GC/GAZA-U	8,514.00	nr	8.00	68,112.00	
5.3.6.3	Asystacia gangetica Ref: GC/ASYS-G	5,666.00	nr	7.00	39,662.00	
5.3.6.4	Ficus microcarpa 'green island', Ref: GC/FICU-MGI	558.00	nr	14.00	7,812.00	
5.3.6.5	Ruellia ciliosa, Ref: GC/RUEL-C	2,407.00	nr	12.00	28,884.00	
5.3.6.6	Wedelia trilobata, Ref: GC/WEDE-T	8,192.00	nr	8.00	65,536.00	
5.3.6.7	Sesuvium portulacastrum', Ref:GC/SESU-P	7,761.00	nr	7.00	54,327.00	
5.3.6.8	Sesuvium portulacastrum 'Red Form', Ref:GC/SESU-PR	8,526.00	nr	7.00	59,682.00	
5.3.6.9	Carissa macrocarpa 'green carpet', Ref:GC/CARI-GC	3,647.00	nr	10.00	36,470.00	
5.3.7	Supply and fixing of Lawn on prepared planting beds including excavation and disposal, backfilling with sweet soil ,moisture additive,necessary ancillary material as drawing and specifications.					
5.3.7.1	Paspalum vaginatum :Ref:L/PASP-V	135.00	m2	40.00	5,400.00	As per Tender clarification To remove soil additives
5.3.8	Supply & laying of mulch in the planting area as specified to a minimum depth of 70 mm complete as per specification for shrubs ,ground covers with the exception of areas where horizontally / low spreading groundcovers and lawn have been planted and succulent plants with loose gravel surfaces	13,305.00	m2	17.00	226,185.00	
5.3.9	Park-Lighting					
5.3.9.1	Supply, install and connect Light fittings including power connection from the nearest power source, including cable,duct all complete in accordance with Drawings, Specifications and to Engineer's approval:					V.E. Same Specs as per DH2 Park and Malibu
5.3.9.1.1	Uplight with Earth Spike-UL1	14.00	nr	1,134.00	15,876.00	
5.3.9.1.2	Uplight with Earth Spike-UL2	142.00	nr	1,134.00	161,028.00	
5.3.9.1.3	Pole mounted lamp-LP2-Columnar	4.00	nr	6,696.00	26,784.00	
5.3.9.1.4	Bollard Light-BL1	365.00	nr	1,449.00	528,885.00	
5.4	miscellaneous works					
5.4.1	maintenance					
5.4.1.1	Allow for the maintenance of one calendar year of soft cape landscape, including all material, labour, supervision, dead plant replacement etc.after substantial completion & handing over.	1.00	Item	175,662.00	175,662.00	
6	BILL NO. 6 - EXTERNAL ROAD -36 M (DELETED)				EXCLUDED	
6.1	earthworks					
6.1.1	Filling with imported material (material stockpile from Damac lagoon project area)	8,675.00	m3	10.00	EXCLUDED	
6.1.2	Excavation for cuttings in material other than top soil, rock or artificial hard material- For Cut-Provisional item	1,830.00	m3	20.00	EXCLUDED	
6.1.3	Disposal of unsuitable excavated material to approved tip. (Including haulage)-Provisional item	750.00	m3	21.00	EXCLUDED	
6.1.4	Filling of excavated selected materials other than top soil or rock-Provisional item	1,100.00	m3	20.00	EXCLUDED	
6.2	hard landscaping					
6.2.1	Sub Grade					
6.2.1.1	Compacted Sub-grade to receive pavings and surfacing, complete as shown on the drawings and specifications					
6.2.1.1.1	500mm thick proposed Existing subgrade layer with soaked CBR>15%MDD	357.00	m2	4.00	EXCLUDED	
6.2.1.1.2	Proposed Existing subgrade with soaked CBR>15%	28,775.00	m2	4.00	EXCLUDED	
6.2.2	Sub Bases					
6.2.2.1	Compacted Sub-base to receive pavings and surfacing, complete as shown on the drawings and specifications					
6.2.2.1.1	150mm thick Subbase - 80 mm Paver	357.00	m2	17.00	EXCLUDED	
6.2.2.1.2	150mm thick Subbase - 60 mm Paver	28,775.00	m2	17.00	EXCLUDED	
6.2.3	Base layer					
6.2.3.1	Compacted base layer to receive pavings and surfacing, complete as shown on the drawings and specifications					
6.2.3.1.1	220mm thick base layer -80 mm Paver	357.00	m2	18.70	EXCLUDED	

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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
<b>6.2.4</b>	<b>Concrete Base</b>					
6.2.4.1	Concrete base to receive pavings and surfacing, complete as shown on the drawings and specifications					
6.2.4.1.1	185-mm thick	3,780.00	m2	56.00	EXCLUDED	
<b>6.2.5</b>	<b>Pavings, Band &amp; Edgings</b>					
6.2.5.1	Bands & Edgings					
6.2.5.1.1	Pre-cast paving bands bedded on mortar bed with grouted joints as per drawing and specifications.					
6.2.5.1.1.1	150mm Wide Band, Ref: PB5	25,195.00	m	30.00	EXCLUDED	
<b>6.2.6</b>	<b>Pavings</b>					
6.2.6.1	80mm Precast concrete paver Block bedded on 40mm thick sharp sand bed joints filled as per drawing and specifications.					
6.2.6.1.1	Paving, Ref: P2B-200x200x80mm thk	357.00	m2	85.00	EXCLUDED	
6.2.6.2	60mm Precast concrete paver Block bedded on 40mm thick sharp sand bed joints filled as per drawing and specifications.					
6.2.6.2.1	Paving, Ref: P1-300x300x60mm thk	13,650.00	m2	86.20	EXCLUDED	
6.2.6.2.2	Paving, Ref: P2A-200x200x60mm thk	1,470.00	m2	83.00	EXCLUDED	
6.2.6.2.3	Paving, Ref: P6-300x300x60mm thk	1,840.00	m2	86.20	EXCLUDED	
6.2.6.2.4	Paving, Ref: PB1-200x100x60mm thk	4,765.00	m2	86.20	EXCLUDED	
6.2.6.2.5	Paving, Ref: P5-300x300x60mm thk	7,050.00	m2	86.20	EXCLUDED	
6.2.6.3	Geotextile membrane as per drawing and specifications.					
6.2.6.3.1	For Paving, Ref: FOR P1,P3,P4,P6,PB1,P5,P2A,P2B-GEOTEXTILE membrane	28,775.00	m2	11.00	EXCLUDED	
6.2.6.4	Supply & fixing of geotextile Fabric as per drawing and specifications.					
6.2.6.4.1	For Paving, Ref: GEOTEXTILE FABRIC	4.00	m2	11.00	EXCLUDED	
6.2.6.5	200X200X60mm Tactile paving for Pedestrian crossing bedded on 40mm sand bed,150 mm thick sub base layer with joints filled ,all associated works complete as per drawing and specifications.					
6.2.6.5.1	Paving, Ref: TP	35.00	m2	93.10	EXCLUDED	
6.2.6.6	Supply & laying of Aluminium edge paver including all associated works complete as per drawing and specification					
6.2.6.6.1	Aluminium Edger-PB3	845.00	m	63.00	EXCLUDED	
6.2.6.7	Supply & laying of gravel in service area 10-20mm dia as per below light poles complete as per drawing and specification					
6.2.6.7.1	Ref:GS1	420.00	m2	28.00	EXCLUDED	
6.2.6.8	Supply & fixing of Bollards complete as per drawing and specification					
6.2.6.8.1	SF1-Bollards	12.00	nr	1,681.00	EXCLUDED	
<b>6.2.7</b>	<b>FURNITURES</b>					
6.2.7.1	Supply and fix the following landscape furniture including all associated works complete as detailed on drawing and specification.					
6.2.7.1.1	SF2-Recycle bin	4.00	nr	-	EXCLUDED	
6.2.7.1.2	SF3-Precast concrete bench	4.00	nr	-	EXCLUDED	
6.2.7.1.3	SF6-Bicycle rack	8.00	nr	-	EXCLUDED	
<b>6.2.8</b>	<b>lighting</b>					
6.2.8.1	Supply, install and connect Light fittings including power connection from the nearest power source, including cable,duct all complete in accordance with Drawings, Specifications and to Engineer's approval:					
6.2.8.1.1	Uplight with Earth Spike-UL1	1,343.00	nr	1,134.00	EXCLUDED	
<b>6.2.9</b>	<b>feeder pillar</b>					
6.2.9.1	Mass concrete foundation for feeder pillar including excavation,backfilling,concrete,formwork,anchor bolts,cover plates,protection of holding down bolts,nuts,washer with denso tape , with all associated works complete as detailed on drawing and specification.	4.00	nr	11,169.00	EXCLUDED	
6.2.9.2	Supply and install the landscape lighting feeder pillars with proposed concrete protection, kW-hR meter and all other accessories including termination of cables, earthing and commissioning etc. complete all associated works complete as per drawing and specification.	4.00	nr	26,019.00	EXCLUDED	
<b>6.2.10</b>	<b>soft landscaping</b>					
6.2.10.1	Supply and Planting of Palm trees in prepared planting pits including necessary surface preparation,beddings, protections,tree stakes,excavation and disposal, backfilling with sweet soil,moisture additive Complete as per drawing and specifications.					
6.2.10.1.1	Washingtonia filifera, Ref: P/WASH F	1,052.00	nr	2,362.00	EXCLUDED	As per Tender clarification To remove soil additives
6.2.10.2	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.					
6.2.10.2.1	Peltophorum pterocarpum Ref:T/PELT-P	100.00	nr	1,030.00	EXCLUDED	
6.2.10.3	Supply and planting of Shrubs on prepared planting beds including surface preparation ,excavation and disposal, backfilling with sweet soil ,moisture additiveand necessary ancillary material complete as per drawing and specifications.					
6.2.10.3.1	Bougainvillea glabra white Ref: S/BOUG-GW	15,629.00	nr	23.00	EXCLUDED	
6.2.10.3.2	Bougainvillea glabra nana red Ref: S/BOUG-GNR	8,722.00	nr	23.00	EXCLUDED	
6.2.10.3.3	Bougainvillea glabra pink pixie Ref: S/BOUG-PP	6,634.00	nr	23.00	EXCLUDED	
6.2.10.3.4	Ruellia ciliosa Ref: GC/RUEL-C	9,228.00	nr	12.00	EXCLUDED	
6.2.10.3.5	Wrightia antidysentericaRef: S/WRIG-A	1,858.00	nr	23.00	EXCLUDED	

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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
6.2.10.4	Supply and planting of Hedges planted on planting beds with surface preparation including excavation and disposal, backfilling with sweet soil complete as per drawing and specifications.					
6.2.10.4.1	Dodonea viscosa Ref: H/DODO-V	14,648.00	nr	21.00	EXCLUDED	
6.2.10.4.2	Clerodendrum inerme Ref: H/CLER-I	15,168.00	nr	26.00	EXCLUDED	
6.2.10.4.3	Leucophyllum frutescens Ref: H/LEUC-F	14,784.00	nr	26.00	EXCLUDED	
6.2.10.5	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.					
6.2.10.5.1	Turnera ulmifolia, Ref: GC/TURN-U	11,031.00	nr	11.00	EXCLUDED	
6.2.10.5.2	Ficus microcarpa 'green island', Ref: GC/FICU-MGI	8,592.00	nr	14.00	EXCLUDED	
6.2.10.5.3	Wedelia trilobata, Ref: GC/WEDE-T	2,884.00	nr	8.00	EXCLUDED	
6.2.10.5.4	Sesuvium portulacastrum 'Red Form', Ref:GC/SESU-PR	21,234.00	nr	7.00	EXCLUDED	
6.2.10.5.5	Carissa macrocarpa 'green carpet', Ref:GC/CARI-GC	33,476.00	nr	10.00	EXCLUDED	
6.2.10.6	Supply and planting Grasses on prepared planting beds including excavation and disposal, backfilling and necessary ancillary material as drawing and specifications.					
6.2.10.6.1	Pennisetum setaceum :Ref:G/PENN-S	7,227.00	m2	40.00	EXCLUDED	
6.2.10.6.2	Supply & laying of mulch in the planting area as specified to a minimum depth of 70 mm complete as per specification for palms,trees and shrubs	29,905.00	m2	17.00	EXCLUDED	
6.2.11	signage					
6.2.11.1	Supply & installation of signage with aluminium post , aluminium box panel with powder coated finish ,non prismatic reflective vinyl type face & number complete as per drawing and specification.					
6.2.11.1.1	Local Street Name Sign 592 Type 2 Double Sided (X=60)-L shape	2.00	nr	1,939.00	EXCLUDED	
6.2.11.1.2	Local Street Name Sign 592 Type 2 Double Sided (X=60)-straight line	2.00	nr	1,939.00	EXCLUDED	
6.3	miscellaneous works					
6.3.1	maintenance					
6.3.1.1	Allow for the maintenance of one calendar year of soft cape landscape, including all material, labour, supervision, dead plant replacement etc.after substantial completion & handing over.	1.00	Item		EXCLUDED	
7	BILL NO. 7 - PARK-SECONDARY IRRIGATION WORKS					
7.1	pipework - pipes					
7.1.1	Supply and lay HDPE 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, thrust blocks etc. complete as per specifications and to the approval of the Employer Representative Consultant.					
7.1.1.1	Nominal bore : not exceeding 200mm					
7.1.1.1.1	32 mm dia. HDPE Pipe, SDR17, PN10	9,143.00	m	9.00	82,287.00	
7.1.1.1.2	50 mm dia. HDPE Pipe, SDR17, PN10	3,819.00	m	16.00	61,104.00	
7.1.1.1.3	63 mm dia. HDPE Pipe, SDR11, PN16	2,116.00	m	27.00	57,132.00	
7.1.1.1.4	90 mm dia. HDPE Pipe, SDR11, PN16	443.00	m	37.00	16,391.00	
7.1.2	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.					
7.1.2.1	16mm dia L.L.D.p.e pipe for trees. (0.9gph)	3,102.00	m	5.00	15,510.00	
7.1.2.2	16mm dia L.L.D.P.E pipe for Ground Covers. (0.6GPH)	31,660.00	m	5.50	174,130.00	
7.1.2.3	16mm dia L.L.D.P.E pipe for Shrubs. (0.9GPH)	55,953.00	m	5.00	279,765.00	
7.1.2.4	staple stake (heat resistant)	10,907.00	m	3.00	32,721.00	
7.1.3	Spray head Sprinklers					
7.1.3.1	Approved Spray head Sprinklers with 2.0 - 4.6 m radius including necessary accessories, fixed as specified on drawings.					
7.1.3.1.1	Spray heads ( 45 - 360 degrees ) with 2.00 - 2.40 m radius.	8.00	nr	34.00	272.00	
7.1.3.1.2	Spray heads ( 45 - 360 degrees ) with 3.50 - 3.70 m radius.	10.00	nr	34.00	340.00	
7.1.3.1.3	Spray heads ( 45 - 360 degrees ) with 4.00 - 4.60 m radius.	168.00	nr	34.00	5,712.00	
7.2	FITTINGS AND VALVES					
7.2.1	supply and install the following valves including necessary fittings, fixed as specified and detailed.					
7.2.1.1	quick coupling valve					
7.2.1.1.1	quick coupling valve	37.00	nr	346.00	12,802.00	
7.2.1.2	Solenoid Valves (with Y-Strainer)					
7.2.1.2.1	1" Drip solenoid valve with Pressure Regulator	18.00	nr	840.50	15,129.00	
7.2.1.2.2	1.5" Drip solenoid valve with Pressure Regulator	31.00	nr	927.00	28,737.00	
7.2.1.2.3	2" Drip solenoid valve with Pressure Regulator	15.00	nr	1,111.00	16,665.00	
7.2.1.2.4	2" Sprinkler solenoid valve	7.00	nr	1,111.00	7,777.00	
7.2.1.2.5	1" Bubbler solenoid valve	2.00	nr	840.50	1,681.00	
7.2.1.2.6	1.5" Bubbler solenoid valve	3.00	nr	927.00	2,781.00	
7.2.2	riser point system					
7.2.2.1	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.					
7.2.2.1.1	riser points	1,836.00	nr	46.00	84,456.00	
7.2.2.2	Bubbler					
7.2.2.2.1	Bubbler 1gpm	90.00	nr	37.00	3,330.00	
7.2.2.3	Flush valve					
7.2.2.3.1	Flush valve 1.0 inch	64.00	nr	52.00	3,328.00	
7.2.2.4	thrust block					
7.2.2.4.1	Thrust Block Support	48.00	nr	69.00	3,312.00	

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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
7.2.2.5	Lockable and labeled buried valve boxes with all pipe fittings and pull boxes as specified and shown on drawings					
7.2.2.5.1	For Solenoid valves 675x393x381 mm as detailed and specified.	54.00	nr	530.00	28,620.00	
7.2.2.5.2	For Solenoid valves 891x495x450 mm as detailed and specified.	22.00	nr	910.00	20,020.00	
7.2.2.5.3	For Quick coupling Valve.	37.00	nr	63.00	2,331.00	
7.2.2.5.4	For Pull boxes round shape with outside dia 250mm as detailed and specified .	99.00	nr	63.00	6,237.00	
7.2.2.5.5	For Flush Valve	64.00	nr	63.00	4,032.00	
7.3	<b>PIPEWORK - SUPPORTS AND PROTECTION ANCILLARIES TO LAYING AND EXCAVATION</b>					
7.3.1	<b>Providing sand surrounds including beds to irrigation pipes.</b>					
7.3.1.1	Nominal bore: Not exceeding 200mm	15,521.00	m	4.00	62,084.00	
7.4	<b>miscellaneous works</b>					
7.4.1	<b>electrical works for irrigation</b>					
7.4.1.1	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					
7.4.1.1.1	irrigation controller	2.00	nr	32,815.00	65,630.00	
7.4.2	<b>Cabling and associated works</b>					
7.4.2.1	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:					
7.4.2.1.1	1" Conduit for Control Cables.	3,740.00	m	12.40	46,376.00	
7.4.2.1.2	Supply and lay 14 AWG Control Cables in conduit with all necessary accessories etc complete as specified.	7,480.00	m	12.40	92,752.00	
7.4.2.2	Supply, install and connect all necessary junction boxes, conduits with pull wires, power supply to all relevant electrical and weather station, central control unit etc.					
7.4.2.2.1	Central control unit	1.00	Item	60,000.00	60,000.00	
7.5	<b>: MISCELLANEOUS WORKS</b>					
7.5.1	maintenance					
7.5.1.1	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	12.00	month	6,900.00	82,800.00	
8	<b>BILL NO. 8 - INTERNAL ROAD-SECONDARY IRRIGATION WORKS</b>					
8.1	<b>pipework - pipes</b>					
8.1.1	<b>Supply and lay HDPE 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, thrust blocks etc. complete as per specifications and to the approval of the Employer Representative Consultant.</b>					
8.1.1.1	Nominal bore : not exceeding 200mm					
8.1.1.1.1	32 mm dia. HDPE Pipe, SDR17, PN10	15,673.00	m	9.00	141,057.00	
8.1.1.1.2	50 mm dia. HDPE Pipe, SDR17, PN10	4,745.00	m	16.00	75,920.00	
8.1.1.1.3	63 mm dia. HDPE Pipe, SDR11, PN16	3,997.00	m	27.00	107,919.00	
8.1.1.1.4	90 mm dia. HDPE Pipe, SDR11, PN16	380.00	m	37.00	14,060.00	
8.1.2	<b>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.</b>					
8.1.2.1	16mm dia L.L.D.P.E pipe for trees. (0.9gph)	2,309.00	m	5.00	11,545.00	
8.1.2.2	16mm dia L.L.D.P.E pipe for Ground Covers. (0.6GPH)	25,856.00	m	5.50	142,208.00	
8.1.2.3	16mm dia L.L.D.P.E pipe for Shrubs. (0.9GPH)	40,993.00	m	5.00	204,965.00	
8.1.2.4	staple stake (heat resistant)	8,921.00	m	3.00	26,763.00	
8.2	<b>PIPEWORK - FITTINGS AND VALVES</b>					
8.2.1	<b>supply and install the following valves including necessary fittings, fixed as specified and detailed.</b>					
8.2.1.1	quick coupling valve					
8.2.1.1.1	quick coupling valve	121.00	nr	345.00	41,745.00	
8.2.1.2	Solenoid Valves (with Y-Strainer)					
8.2.1.2.1	1" Drip solenoid valve with Pressure Regulator	39.00	nr	841.00	32,799.00	
8.2.1.2.2	1.5" Drip solenoid valve with Pressure Regulator	27.00	nr	927.00	25,029.00	
8.2.1.2.3	2" Drip solenoid valve with Pressure Regulator	6.00	nr	1,111.00	6,666.00	
8.2.2	<b>riser point system</b>					
8.2.2.1	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.					
8.2.2.1.1	riser points	2,005.00	nr	46.00	92,230.00	
8.2.2.2	Flush valve					
8.2.2.2.1	Flush valve 1.0 inch	72.00	nr	52.00	3,744.00	
8.2.2.3	thrust block					
8.2.2.3.1	Thrust Block Support	40.00	nr	69.00	2,760.00	
8.2.2.4	Lockable and labeled buried valve boxes with all pipe fittings and pull boxes as specified and shown on drawings					
8.2.2.4.1	For Solenoid valves 675x393x381 mm as detailed and specified.	66.00	nr	530.00	34,980.00	
8.2.2.4.2	For Solenoid valves 891x495x450 mm as detailed and specified.	6.00	nr	910.00	5,460.00	
8.2.2.4.3	For Quick coupling Valve.	121.00	nr	63.00	7,623.00	
8.2.2.4.4	For Pull boxes round shape with outside dia 250mm as detailed and specified .	153.00	nr	63.00	9,639.00	
8.2.2.4.5	For Flush Valve	72.00	nr	63.00	4,536.00	

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SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
<b>8.3</b>	<b>PIPEWORK - SUPPORTS AND PROTECTION ANCILLARIES TO LAYING AND EXCAVATION</b>					
8.3.1	Providing sand surrounds including beds to irrigation pipes.					
8.3.1.1	Nominal bore: Not exceeding 200mm	24,795.00	m	4.00	99,180.00	
8.3.2	Tie-in connection					
8.3.2.1	Tie-in connection of secondary network with the Main irrigation network including all necessary and associated works etc complete	71	nr	2,188.00	155,348.00	
8.3.2.2	Tie-in connection of secondary network with the Main irrigation network (Future) including all necessary and associated works etc complete	3	nr	1,952.00	5,856.00	
<b>8.4</b>	<b>miscellaneous works</b>					
<b>8.4.1</b>	<b>electrical works for irrigation</b>					
8.4.1.1	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					
8.4.1.1.1	irrigation controller	1.00	nr	32,815.00	32,815.00	
<b>8.4.2</b>	<b>Cabling and associated works</b>					
8.4.2.1	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					
8.4.2.1.1	1" conduit for control cables	4,400.00	m	12.40	54,560.00	
8.4.2.1.2	Supply and lay 14 AWG Control Cables in conduit with all necessary accessories etc complete as specified.	8,800.00	m	12.40	109,120.00	
<b>8.5</b>	<b>miscellaneous works</b>					
<b>8.5.1</b>	<b>maintenance</b>					
8.5.1.1	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	12.00	month	6,900.00	82,800.00	
<b>9</b>	<b>BILL NO. 9 - 36M-EXTERNAL ROAD-SECONDARY IRRIGATION WORKS (DELETED)</b>				<b>EXCLUDED</b>	
<b>9.1</b>	<b>pipework - pipes</b>					
<b>9.1.1</b>	<b>Supply and lay HDPE 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, thrust blocks etc. complete as per specifications and to the approval of the Employer Representative Consultant.</b>					
9.1.1.1	Nominal bore : not exceeding 200mm					
9.1.1.1.1	32 mm dia. HDPE Pipe, SDR17, PN10	22,875.00	m	9.00	EXCLUDED	
9.1.1.1.2	50 mm dia. HDPE Pipe, SDR17, PN10	12,980.00	m	16.00	EXCLUDED	
9.1.1.1.3	63 mm dia. HDPE Pipe, SDR11, PN16	6,008.00	m	27.00	EXCLUDED	
9.1.1.1.4	90 mm dia. HDPE Pipe, SDR11, PN16	2,300.00	m	37.00	EXCLUDED	
<b>9.1.2</b>	<b>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.</b>					
9.1.2.1	16mm dia L.L.D.P.E pipe for trees. (0.9gph)	484.00	m	5.00	EXCLUDED	
9.1.2.2	16mm dia L.L.D.P.E pipe for Ground Covers. (0.6GPH)	48,979.00	m	5.50	EXCLUDED	
9.1.2.3	16mm dia L.L.D.P.E pipe for Shrubs. (0.9GPH)	98,060.00	m	5.00	EXCLUDED	
9.1.2.4	staple stake (heat resistant)	19,114.00	m	3.00	EXCLUDED	
<b>9.2</b>	<b>PIPEWORK - FITTINGS AND VALVES</b>					
<b>9.2.1</b>	<b>supply and install the following valves including necessary fittings, fixed as specified and detailed.</b>					
9.2.1.1	quick coupling valve					
9.2.1.1.1	quick coupling valve	239.00	nr	345.00	EXCLUDED	
9.2.1.2	Solenoid Valves (with Y-Strainer)					
9.2.1.2.1	1" Drip solenoid valve with Pressure Regulator	96.00	nr	841.00	EXCLUDED	
9.2.1.2.2	1.5" Drip solenoid valve with Pressure Regulator	38.00	nr	927.00	EXCLUDED	
9.2.1.2.3	2" Drip solenoid valve with Pressure Regulator	18.00	nr	1,111.00	EXCLUDED	
9.2.1.2.4	1" Bubbler solenoid valve with Pressure Regulator	1.00	nr	841.00	EXCLUDED	
9.2.1.2.5	1.5" Bubbler solenoid valve with Pressure Regulator	30.00	nr	927.00	EXCLUDED	
9.2.1.2.6	2" Bubbler solenoid valve with Pressure Regulator	27.00	nr	1,111.00	EXCLUDED	
<b>9.3</b>	<b>riser point system</b>					
<b>9.3.1</b>	<b>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.</b>					
9.3.1.1	riser points	6,273.00	nr	46.00	EXCLUDED	
<b>9.3.2</b>	<b>Bubbler</b>					
9.3.2.1	Bubbler 1gpm	1,838.00	nr	37.00	EXCLUDED	
<b>9.3.3</b>	<b>Flush valve</b>					
9.3.3.1	Flush valve 1.0 inch	152.00	nr	52.00	EXCLUDED	
<b>9.3.4</b>	<b>thrust block</b>					
9.3.4.1	Thrust Block Support	230.00	nr	69.00	EXCLUDED	
<b>9.3.5</b>	<b>Lockable and labeled buried valve boxes with all pipe fittings and pull boxes as specified and shown on drawings</b>					
9.3.5.1	For Solenoid valves 675x393x381 mm as detailed and specified.	165.00	nr	530.00	EXCLUDED	
9.3.5.2	For Solenoid valves 891x495x450 mm as detailed and specified.	45.00	nr	910.00	EXCLUDED	
9.3.5.3	For Quick coupling Valve.	239.00	nr	63.00	EXCLUDED	
9.3.5.4	For Pull boxes round shape with outside dia 250mm as detailed and specified .	362.00	nr	63.00	EXCLUDED	
9.3.5.5	For Flush Valve	152.00	nr	63.00	EXCLUDED	



SN	Description	Quantity	Unit	Rate (AED)	Total (AED)	Remarks
9.4	<b>PIPEWORK - SUPPORTS AND PROTECTION ANCILLARIES TO LAYING AND EXCAVATION</b>					
9.4.1	<b>Providing sand surrounds including beds to irrigation pipes.</b>				EXCLUDED	
9.4.1.1	Nominal bore: Not exceeding 200mm	44,163.00	m	4.00	EXCLUDED	
9.5	<b>miscellaneous works</b>					
9.5.1	<b>electrical works for irrigation</b>					
9.5.1.1	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					
9.5.1.1.1	Irrigation controller	2.00	nr	32,815.00	EXCLUDED	
9.5.2	<b>Cabling and associated works</b>					
9.5.2.1	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					
9.5.2.1.1	1" conduit for control cables	9,128.00	m	12.40	EXCLUDED	
9.5.2.1.2	Supply and lay 14 AWG Control Cables in conduit with all necessary accessories etc complete as specified.	18,256.00	m	12.40	EXCLUDED	
9.6	<b>miscellaneous works</b>					
9.6.1	<b>maintenance</b>					
9.6.1.1	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	12.00	month	6,900.00	EXCLUDED	

Water features

Swimming pools

Landscaping &

Green walls Specialist

## ANNEXURE 1:

### PART 1: LIST OF EXCLUSIONS / QUALIFICATIONS

- 1 Our scope of Electrical power from landscape light fitting to landscape light DB only and after that by others
- 2 Any Submission / payments for NOC to authority is excluded. However, PTS will Provide Technical Assistance during acquisition of NOC
- 3 Our scope for Water Feature is excluding main utilities connection (power, water, drainage) to be provided to water feature pump room by others.
- 4 Soil additives for the softlandscaping works are excluded as per Tender Clarification
- 5 All landscape lights are as per Value Engineering Proposal (Same Specification of lighting as per DH2 Park and Malibu project)
- 6 This proposal is considered as Re-measurable basis and not Lump Sum

### PART 2 - NOTES, TERMS & CONDITIONS

#### A PAYMENT TERMS:

- 1 to be paid within 28 days from the date of submission of Interim Payment Application

#### 2 Materials on Site:

1. Landscape and Street Furniture
2. Kids Play Equipment and Sports Equipment
3. EPDM Rubber Surface
4. Landscape Lights
5. MEP Equipment or Water Feature

**Note:** No retention to be applied on Material on Site

Water features

Swimming pools

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