

M/s. EDGE Architects

Building 2, Office 101, Dubai Design District
Dubai, United Arab Emirates.

Tel : 04 589 5685

Mail :

Our Ref : QG-AR/825-03/24
Date : 02nd September, 2024

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Attention :

SUBJECT : Geotechnical Investigation for Proposed Atlantis Pedestrian Bridges at Palm Jumeirah, Dubai – U.A.E.

Dear Sirs,

We thank you for your e-mail enquiry dated 28th August 2024, regarding the above-mentioned project.

We are pleased to quote our prices in attached BOQ for performing soil investigation and producing two hard copies and one soft copy of engineering report.

Brief Method Statement

We would propose using standard cable percussion and/or rotary techniques to perform the drilling works. The test locations would be set out by the client. Our report on the work would include a general description of the works, borehole logs, site plan and the results of tests. In addition, we could provide recommendations on type of foundations, soil bearing pressures and chemical attack on buried concrete.

Programme of Works

Activity	Expected Duration (Working Days)
Soil Investigation / site works NOC's from all concerned authorities	By customer
Permit to work and gate passes for crews and equipments	By customer
Mobilization to the site / starting of field works	Within 20-25 working days from the date of receipt of all NOC's.
Field works	25-30 Working days. (may vary up on final scope of works)
Draft report for submission to consultant for review.	Within 20 working days from the completion of field works.
Final report for submission	Within 5 working days from date of review and confirmation of consultant.

Clarifications

Our offer is subject to availability of equipment and personnel at the time of contract award and mutual agreement of contract terms and conditions. We would require the client to arrange the following at no cost to Global Laboratory.

1. The number and depth of boreholes to be proposed by the customer.
2. Additional drilling rate will be applied incase of additional drilling is required.
3. All security deposits / fees required to apply NOC's, permission, HS precautions and access to the selected locations in the plot/building shall be arranged by the customer.

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4. We are not held responsible for damages to underground services unless their positions are clearly indicated to us on site prior to starting work.
5. Any complaint from the existing tenants/neighbors about testing activity should be taken care by the customer.
6. All tests will be carried out in accordance with the BS5930 and BS1377 standards.
7. Global Laboratory has right to subcontract the work in full / part, where ever appropriate.
8. All location for testing shall be identified by the mutual agreement of our personnel and the customer/consultant.
9. Samples for this project are retained in our storage facility for a period of 90 days from the date of draft report.
10. Hazardous material will be identified and it will be returned to the customer after completing the test.
11. Copies of test reports will be stored electronically for one year from the date of report.
12. Should you wish to extend the storage period, please contact us before the intended disposal date and an additional charge would be applied for the same.
13. Any additional test / analysis other than mentioned above, if required by authorities / Consultant / Customer shall quote and charged separately
14. Suitable access to be provided for our trailer mounted drilling rig towed by a four wheel drive vehicle.
15. This offer is valid for 30 days from the date of this quotation.
16. All the previous offers and rates for the same project is supersedes with this offer and the prices and times schedules quoted previously are not valid.
17. **Some items rate only quoted, the amount will calculated as per the actual quantity of test performed and added in final invoice.**
18. **Tax Invoice will be issued upon receipt of payment only.**

Payment Terms.

- 50% payment should be made along with job confirmation / prior to mobilize drilling crew at site.
- 50% payment should be made at the time of delivery of draft report soft copy / prior to issue final report.

We trust that our proposal will meet with your requirements, however, please do not hesitate to contact us should you have any queries.

Yours faithfully,
for GLOBAL ENGINEERING LABORATORY



Abdul Razak N.
General Manager



QUOTATION FOR GEOTECHNICAL INVESTIGATION

PROPOSED ATLANTIS PEDESTRIAN BRIDGES

AT PALM JUMEIRAH, DUBAI - UNITED ARAB EMIRATES

Item	Description	Unit	Quantity	Rate	Amount AED
1	Mobilization & Demobilization	L/S	1	10000.00	10,000.00
2	Drilling of onshore geotechnical investigation boreholes in soil and rock (150/100mmØ) (4Bh x 50m & 3Bh x 40m).				-
a	Setting up for each boreholes	No.	7	750.00	5,250.00
b	Manual Excavation of inspection pits at borehole location up to 1.2m depths and CAT scanning prior to drilling BHs	No.	7	1350.00	9,450.00
c	From 0.0m to 10.0m depths	m	70	130.00	9,100.00
d	From 10.0m to 20.0m depths	m	70	160.00	11,200.00
e	From 20.0m to 30.0m depths	m	70	200.00	14,000.00
f	From 30.0m to 40.0m depths	m	70	250.00	17,500.00
g	From 40.0m to 50.0m depths	m	40	300.00	12,000.00
h	Surveying and setting out of boreholes location and levels	L/S	1	3000.00	3,000.00
i	i.1 - Mobilization for ground penetrating radar survey crews	L/S	Per visit	15000.00	15,000.00
	i.2 - Generator scanning / ground penetrating radar survey.	M ²	Rate only	200.00	Rate only
3	Samples				
a	Standard penetration test in boreholes	No.			included in item 2
b	Sampling of soils, rocks and groundwater	No.			included in item 2
4	In-situ Testing				
a	Standpipe Installation in drilled borehole below 5m to ground water level depths & monitoring ground water level during field works (2 times per day)	No.	2	3500.00	7,000.00
b	Pressure meter Testing in Drilled borehole	BH	4	15000.00	60,000.00
c	Falling head Permeability Tests	No.	2	1250.00	2,500.00
d	d.1 - Mobilization of Down hole Seismic Testing equipment and crews.	L/S.	Site	10000.00	10,000.00
	d.2 - Down hole Seismic Test in Drilled borehole up to 50m depth	BH	6	30000.00	180,000.00
e	Packer Permeability Test in Drilled borehole up to 50m depth	BH	2	25000.00	50,000.00
f	f.1 – Mobilization of Down hole televiewer equipment and team	L/S	Site	15000.00	15,000.00
	f.2 – Supply photos and video of boreholes by borehole camera.	BH	6	15000.00	90,000.00

5	Laboratory testing				-
a	Particle size distribution	No.	R.O	50.00	rate only
b	Maximum and minimum density	No.	R.O	60.00	rate only
c	Particle Density	No.	R.O	50.00	rate only
d	Unconfined compressive strength	No.	R.O	150.00	rate only
e	Sulphate, Chloride & pH tests (soil / Groundwater)	No.	R.O	200.00	rate only
f	Hydrometer	No.	R.O	50.00	rate only
g	Liquid Limit, Plastic Limit & Plasticity Index	No.	R.O	100.00	rate only
h	Direct Shear in small shear box	No.	R.O	900.00	rate only
i	Direct Shear in large shear box	No.	R.O	900.00	rate only
j	Carbonate content in soil / rock	No.	R.O	100.00	rate only
k	Soil Odometer testing	No.	R.O	1000.00	rate only
l	Deformability in Uniaxial Compression of rock	No.	R.O	250.00	rate only
m	Point load strength of core samples	No.	R.O	100.00	rate only
n	Porosity and bulk density of rock cores	No.	R.O	400.00	rate only
o	Cerchar Abrasivity (ASTM D7625-10)	No.	R.O	2000.00	rate only
p	Direct Shear Strength Test of rock (ASTM D5607-16)	No.	R.O	2000.00	rate only
q	Cyclic rock ground interface testing	No.	Not testing facility available with us or our subcontractors.		
6	Geophysical survey at proposed plot, using Multi-channel Analysis of Surface Waves (MASW)	Location	R.O	7000.00	rate only
7	Liquefaction Analysis (if required)	L/S	R.O	6000.00	rate only
8	Engineering report (2 hard copy+ 3soft copy)	L/S	L/S	10000.00	10,000.00
Total Testing / Service Charges					531,000.00
(TRN : 10034602330003) VAT @ 5%					26,550.00
Total Amount : Five hundred fifty seven thousand five hundred and fifty dirhams only					557,550.00
All NOC's from authorities and developers / Permit to Works / HSE requirements to be provided by customer. All the previous offers for the same project is supersede with this and not valid.					