

**SAFWAN .T.K**

Geologist/ Geotechnical Engineer

Dubai-UAE

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## **OBJECTIVE**

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Geotechnical Engineer with hands-on experience in soil investigation, instrumentation type, requirements on drilling machine working area. Hand- on experience in geotechnical report preparation- analysis of laboratory data, monitoring instruments, intervention location soil profile investigation.

## **PROFESSIONAL EXPERIENCE**

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### **Geotechnical Engineer (From July 2019- )**

**Global Engineering Laboratory – Dubai (EIAC Accredited Laboratory)**

- Prepare Detailed Geotechnical report and analysis (Engineering Recommendation- Ground improvement , Shallow and Deep Foundations)
- Developed project scope including drilling, test pit locations and utility clearance
- Performed Field geologic explorations including soil and rock analysis (Fracture, Fault & Cavities etc)
- Supervised Material Testing- PSD, Hydrometer, LLPL, UCS,CBR

### **Geologist (From June 2017- June-2019)**

**Global Soil Investigation Laboratory – Dubai (EIAC Accredited Laboratory)**

- Supervised Drilling (Rotary and SPT) and Attended Site Meeting
- Examine and logging of SPT Soil Samples and Rock Core Samples (BS 5930:2015)
- Scheduled drilling samples for testing (PSD, Chemical Analysis) and monitoring the Laboratory test...
- Interpreting Geologic and hydrogeological condition of the site
- Collect and analysis of data under the supervision of experienced geotechnical engineer
- Training to technician for Material testing- In-situ Density, ACV, Loss by abrasion and Sand Equivalent

### **Assistant Professor in Engineering Geology (From June 2015- April-2017)**

**Nucleus College of Arts and Science- Palakkad- Kerala (Affiliated to University of Calicut)**

- Sub Surface and Surface Geological Investigations- Geophysical and Geotechnical etc.
- Engineering Properties of Rock and Soil (RQD, TCR & SCR )
- Practical and training of rock and soil

## EDUCATION

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Program	Institution	% marks	Year of completion
M Sc(Applied Geology)	Anna University, Chennai	90	2015
B Sc (Geology)	Calicut University, Kozhikode	83	2013
HSS	G.H.S.S, Kuttippuram	80	2010
SSLC	M.H.S.S, Athavand	65	2008

## PROJECTS WORKS

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- Sheikh Zayed Housing Programme -341 Nos. G+1 Villas at Khwaneej Second
  - Consultant:- Module Engineering Consultant
  - Client :- Sheikh Zayed Housing Programme Est.
- Construction of Nakhali Reservoir Phase 1 & 2 (120MIG) RFX-043 at Lehbab First
  - Client:-Dubai Electricity & Water Authority
  - Consultant :-Meinhardt
- Construction of G+6Typ+R Residential Development-at Al Qusais Ind-5
  - Client:- Al Wasl Asset management Group
  - Consultant :-Schuster Pechtold Engineering Consultant
- Construction of Potable Water Booster Pump Station at Al Furjan Phase-2 Jabal Ali
  - Client:- Nakheel (PJSC)
  - Consultant :- Arif & Bintook Consulting Architects & Engineers

## QUALITY TESTING & ACTIVITIES

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### Soil and Granular Filling Material

- CBR (California Bearing Ratio )- BS 1377: Part 4
- Particle size distribution of soil (Dry sieve & Wet sieve-)BS 1377: Part 2 cl-9.2 &9.3
- Particle density (Pyknometer Method)- BS 1377: Part 2 cl-8.4.
- Atterberg limits(Liquid limit, Plastic limit and Plasticity index)BS 1377: Part 2 cl-4.3
- Insitu Density test (Sand replacement method)- BS 1377: Part 9 cl-2.2
- Sand Equivalent Test ASTM- D2419.
- Los Angles Test ASTM C131.
- Compressive Strength of Rock ASTM- D7012.

### Aggregate

- Aggregate crushing value (ACV) -BS 812: Part 110.
- Particle size distribution of Aggregate(Wet and Dry Sieving) –BS 812- Part 103.1
- Flakiness Index / Elongation Index BS 812:Part 105.1 & 105.2

## SKILLS

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- GIS Software Knowledge (Arc GIS & ERDAS)
- Proficiency in Microsoft Office
- Capable of working in remote and hostile environment under least supervision.

## M. Sc DISSERTATION

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***“STUDIES ON PLACER GOLD MINERALIZATION AND DISTRIBUTION IN PARTS OF CHALIYAR BASIN, KERALA USING REMOTE SENSING, GROUND STUDIES, AND GIS”***

## TRAINING & INTENSHP

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- Atomic Mineral Directorate For Exploration & Research Hyderabad (May 2014-June 2014)
  - Processing & Interpretation of Ground Geophysical Data
- Central Ground Water Board –Taramani Chennai (June 2014-July 2014)
  - Ground Water Quality in Adyar Area- Chennai
- Centre of Geo Information & Technology-Thrissur Kerala (March 2016-May 2016)
  - Remote Sensing and GIS Analysis
- College of Engineering Trivandrum- Department of Soil Mechanics (March 2017-April 2017)
  - Laboratory Testing of Aggregate, Soil and Concrete (BS Standard)
  - Standard Penetration Test (SPT) BS-1377 Part 9

## AWARDS & ACHIEVEMENTS

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First rank holder in M Sc Applied Geology (2015) Anna University, Chennai- India

## LANGUAGE PROFICIENCY

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English, Hindi, Tamil & Malayalam

## PERSONAL DETAILS

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Date of Birth : - 20<sup>th</sup> May 1993  
Marital Status : - Married  
Nationality : - India

## DECLARATION

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I do hereby confirm that the information given in this form is true to the best of my knowledge and belief.

Dubai

SAFWAN TK