

Report of Site Investigation

Owner	بلدية الطيبه الجديده - مكب النفايات
Project	أبنية محطة تحويلية للنفايات الصلبة
Plot No.	3
Basin No.	16
Basin Name	عين مسمار
Date	12 / 07 / 2018
Report No.	001.07EKO.2018
Location	الطيبه - مندرج - Irbid

- **1-Points 5,6,7,12,4,10**
- Allowable bearing capacity: $q_a = q_u/F = \underline{1.60 \text{ kg/cm}^2}$.
- Depth of foundation: It is recommended that the foundation should be laid on (marly clay) at depth of (2.50 m) from the finishing level around the building.
- **2-Points 2**
- Allowable bearing capacity: $q_a = q_u/F = \underline{2.0 \text{ kg/cm}^2}$.
- Depth of foundation: It is recommended that the foundation should be laid on (marl) at depth of (1.50 m) from the finishing level around the building.

1.0 Earthquake Effect: -

The site, as a part of Jordan, lies in zone "2B" from Earthquake Division map in Jordan .

The Soil section Type	The Earthquake region factor (Z)	Coefficient of Earthquake for acceleration (C _A)	Coefficient of Earthquake for speed (C _v)	Bearing capacity(kg/cm ²)
S _D	0.20	0.28	0.40	1.60
S _c	0.20	0.24	0.32	2.0