

FOUNDATION ENGINEERING & GROUND IMPROVEMENT

NFPC Mega Plant at KIZAD

Sector KHIA8, Plot 65, Khalifa Industrial Zone

INDUSTRIAL • CONTINUOUS FLIGHT AUGER (CFA) PILES • RAPID IMPACT COMPACTION (RIC)



Client

National Food Products Company (NFPC)

Consultant

National Engineering Bureau

Main Contractor

NSCC International

Location

Abu Dhabi, UAE

Start Date

March 2016

Completion Date

July 2016

Project Details

Main Piles

750 mm dia. piles : 2,195 nos.

Drilling depth : 6.3 m

Total length drilled : 15,418 LM

Static pile load tests : 43 nos.

Non working load tests : 5 nos.

Integrity tests : 2,195 nos.

Concrete volume : 7,670 m³

Reinforcement steel : 610 tons

Caps excavation volume : 51,000 m³

Rapid Impact Compaction (RIC): 280,000 m²

Import from borrow pit, spread : 450,000 m³
and level of fill material

This 752,000 sqm mega facility will comprise a 5-gallon water bottling plant, dairy, juice and small water bottling plant, as well as a waste water treatment plant, 10,000 sqm office building, 2,800 sqm central district cooling plant, fully automated packaging factory, recycling plant and an automated cold store.