

Requirements on Qualifications and Experience for Registration as a Specialist Contractor in the Ground Investigation Field Works Category

Scope of Works

The scope of works for registered specialist contractors in the ground investigation field works category (RSC (GIFW)) is as follows:

- (a) all exploratory drilling, boring, excavation and probing of land for obtaining information on ground conditions, and includes the installation of instrument, sampling, field testing in boreholes, and any other associated site operations;
- (b) pre-drilling for foundation works;
- (c) proof-drilling for cast-in-place concrete foundation, mini-piles and socketed H-piles; and
- (d) field testing of ground, the loading capacity of which has been improved by ground treatment.

2. The following list of works, not exhaustive, are examples of works which are required to be undertaken by RSC (GIFW):

Types of Works	Details of Works
Excavation	Trial pits, trial trenches, slope surface stripping.
Boreholes	Hand auger boring, corehole drilling, light cable percussion boring, rotary open hole drilling, rotary core drilling.
Sampling	Disturbed samples, U76 samples, U100 samples, split barrel standard penetration test samples, thin-walled piston samples, continuous soil and rock samples, rotary core samples, Mazier samples, block samples, groundwater samples and vibro-coring.
Instrumentation	Installation of instruments e.g. piezometers, standpipes, tensiometers, piezometer buckets, inclinometers, extensometers.
Field Testing in Boreholes	Standard penetration test, vane shear test, permeability tests, packer (water absorption) test, plate test, pressuremeter test, borehole discontinuity survey (impression packer survey) and cone penetration test.
Cast-in-Place Concrete Foundation	Pre-drilling to determine rockhead level, core-drilling to verify quality of founding stratum.
Ground Treatment	Field testing to verify load carrying capacity of treated ground.

3. Works which may be carried out by more than one category of contractors are detailed at Appendix G.

Qualification and Experience Requirements

4. The minimum requirements on the qualifications and experience of the key personnel of RSC(GIFW) are given in the following table :

Alternative Requirements	Technical Director (TD)		Authorized Signatory (AS)		Other Officer (OO)	
	Experience	Qualifications	Experience	Qualifications	Experience	Qualifications
1	5 years' experience in geotechnical works, of which 3 years' experience was in local ground investigation. [See Note (a)]	A bachelor degree or equivalent in a relevant field. [See Note (e)]	5 years' experience in geotechnical works, of which 3 years' experience was in local ground investigation. [See Notes (a)] Has worked for not less than 18 months in 10 local ground investigation projects. [See Note (b)]	A higher certificate, diploma or equivalent in a relevant field. [See Note (e)]	-	-