

Schedule

Element Geotechnical Testing (S) Pte Ltd
215 Kaki Bukit Avenue 1
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Singapore 416042

Certificate No. : IB-2017-161-F
Issue No. : 9
Date : 6 October 2025
Expiry of Certificate : 9 October 2029
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Inspection Field : Site Investigation and Instrument Monitoring

Type A Inspection Body

TYPE OF PRODUCT	TYPE AND RANGE OF INSPECTION	INSPECTION METHOD, CODES OR STANDARDS USED
1. Soil	Site Investigation	BS 5930:2015+A1:2020 BS EN ISO 22475-1:2021
	Identification, description and classification	BS 5930:2015+A1:2020 BS EN ISO 14688-1:2018 BS EN ISO 14688-2:2018
	a) Stationary Piston Sampler	BS 5930:2015+A1:2020 BS EN ISO 22475-1:2021
	b) Open Thin Wall Sampler	BS 5930:2015+A1:2020 BS EN ISO 22475-1:2021
	c) Mazier Sampler	BS 5930:2015+A1:2020 BS EN ISO 22475-1:2021
	Under Functional Testing	
	a) Standard Penetration Test	BS 5930:2015+A1:2020 BS EN ISO 22476-3:2005+A1:2011
	b) Vane Shear Test	BS EN ISO 22476-9:2020
	c) Pressuremeter Test	BS EN ISO 22476-8 : 2018
	d) Permeability Test	BS 5930: 2015+A1: 2020 Section 48 BS EN ISO 22282-1:2012 BS EN ISO 22282-2:2012

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TYPE OF PRODUCT	TYPE AND RANGE OF INSPECTION	INSPECTION METHOD, CODES OR STANDARDS USED
2. Rock	e) Cone Penetration Test Site Investigation Identification, description and classification Under Undisturbed Sampling a) Rock Core Barrel Under Functional Testing a) Packer Test b) Pressuremeter Test	ASTM D5778-12 BS EN ISO 22476-1:2023 BS 5930:2015+A1:2020 BS EN ISO 22475-1:2021 BS 5930 : 2015+A1:2020 BS EN ISO 14689:2018 BS 5930: 2015+A1:2020 BS EN ISO 22475-1:2021 BS EN ISO 22282-3:2012 BS EN ISO 22476-8 : 2018
3. Geotechnical Borehole Instrumentation and Monitoring	Measurement of Displacement a) Magnetic Extensometer b) Rod Extensometer c) Tape Extensometer d) Inclinator e) Tiltmeter Measurement of Water Pressure a) Vibrating Wire Piezometer b) Casagrande Piezometer c) Total Pressure Cell Ground Water Measurement a) Water Standpipe Geodetic Measurement a) Total Station b) Digital Level	ISO 18674-2:2016 BS 5930:2015+A1:2020 ISO 18674-3:2017+A1:2020 BS 5930:2015+A1:2020 ISO 18674-1: 2015 ISO 18674-4:2020 BS 5930:2015+A1:2020 ISO 18674-5: 2019 ISO 22475-1:2021 ISO 18674-1:2015 BS 5930:2015+A1:2020 ISO 18674-1:2015
4. Instrumentation and Monitoring Struts	Vibration Measurement a) Vibration Meter Measurement of Force a) Strain Gauge	ISO 18674-1:2015 ISO 18674-1:2015

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TYPE OF PRODUCT	TYPE AND RANGE OF INSPECTION	INSPECTION METHOD, CODES OR STANDARDS USED
	b) Load Cell Measurement of Movement or Rotation a) EL Beam	ISO 18674-8: 2023 EGT In-house method EL-A-OP-GEO-SIN-MD112A Iss 1

Approved signatories

Er Tan Chin Gee - For item 1 and 2
Ng Tze Chiat - For items 3 and 4

Note:

An inspection body's fulfilment of the requirements of ISO/IEC 17020:2012 means the Inspection body meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid inspection results. The **management system requirements** in ISO/IEC 17020:2012 (Section 8) are written in language relevant to inspection body operations and are aligned with the pertinent requirements of ISO 9001.