

PARTICULARS OF INSTALLATION

Name of Installation: SA Geolab International Pte Ltd.
Address of Installation: 205 Kaki Bukit Ave 1 Shun Li Industrial Park S 416017.
Electrical Installation License No: E/145322 Date & Time of Inspection: 8/4/20 10:00am.

1	SITE CONDITIONS [<input checked="" type="checkbox"/> acceptable / X: not acceptable / NA: not applicable]	<u>Remarks</u>
1.1	Access to MSB / Sub-Board / Distribution-Board <input checked="" type="checkbox"/>	
2	ENVIRONMENT CONDITIONS	
2.1	Locking facilities <input type="checkbox"/> NA	
2.2	Roofing or shed condition (for outdoor) <input type="checkbox"/> NA	
2.3	Lighting <input checked="" type="checkbox"/>	
2.4	Ventilation <input type="checkbox"/> NA	
2.5	Fire extinguisher <input checked="" type="checkbox"/>	
2.6	No sign of bird/pest habitation <input checked="" type="checkbox"/>	
3	SWITCHROOM REQUIREMENTS	
3.1	Rubber mat <input type="checkbox"/> X	
3.2	Single-line diagram <input checked="" type="checkbox"/>	
3.3	LEW's contact particulars <input checked="" type="checkbox"/>	
3.4	First-aid chart <input checked="" type="checkbox"/>	
3.5	Display of Electrical Installation license <input checked="" type="checkbox"/>	
3.6	Danger sign <input checked="" type="checkbox"/>	
4	SWITCHBOARD REQUIREMENTS	
4.1	Earth bar c/w proper labeling <input checked="" type="checkbox"/>	
4.2	Earth pits condition <input checked="" type="checkbox"/>	
4.3	Earth pits (R = <u>2.23</u> Ω tested on <u>8/4/20</u>) <input checked="" type="checkbox"/>	
4.4	Earth electrode inspection chamber <input type="checkbox"/> X	Not found.
4.5	Warning notice <input checked="" type="checkbox"/>	
4.6	Equipotential bonding of metallic trunking, metal conduits & water/gas pipe. <input checked="" type="checkbox"/>	
4.7	Protection of fingers to direct live parts (at least IP2X) <input checked="" type="checkbox"/>	
4.8	Incoming & outgoing lights, voltmeter & Ammeter <input type="checkbox"/> X	Indicator Lights not working.
4.9	Proper Neutral links sizing <input checked="" type="checkbox"/>	
4.10	Appropriate circuit breakers size & type <input checked="" type="checkbox"/>	
4.11	Sufficient support & mechanical protection for cables <input checked="" type="checkbox"/>	
4.12	Labelling of circuits <input type="checkbox"/> X	Some not labelled
4.13	Sign of Corrosion <input checked="" type="checkbox"/>	
4.14	Servicing of Switchboard (Last Done: <u>29/3/2019</u>) <input checked="" type="checkbox"/>	

5 OPERATIONAL REQUIREMENTS

Remarks

5.1 Incoming load L1: 18 A L2: 32 A L3: 32 A

5.2 Voltage L1-N: 240 V L2-N: 245 V L3-N: 233 V L-L: 400 V

5.3 Earth loop impedance (* power disruption) L-E: 0.39 Ω

5.4 Main Breakers' relay settings Itrip: 2.0 A t: 0.45 s ☒ Outgoing: I: 0.3 A & t: 0.1 sec

5.4 Function test of RCD (* power disruption) ☒

6 OUTGOING DB / CIRCUITS

6.1 Appropriate rated fittings/fixtures (i.e. outdoor IP rating, fire rated, explosion proof etc) ☒

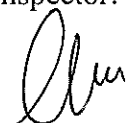
6.2 30mA RCCBs in sensitive areas or public areas ☒

6.3 Standby Generator ☐ NA

6.4 PV system / electric charger system ☐ NA

6.5 No unused wires/cables or illegal wiring ☒

Name of Supervisor/Inspector: P. Mani

Signature: 

Date: 8/4/20
11:30 am

Notes: Premise owner to rectify items marked "not acceptable" ☒

THE INSPECTION WAS WITNESSED BY REPRESENTATIVE OF THE LICENSEE

Name: _____ Designation: _____

Signature: _____ Date: _____

Remarks (if any): _____

DECLARATION BY LEW

I am satisfied that the electrical installation is fit for operation.

Name of LEW: _____ License No: _____

Signature: _____ Date: _____

Remarks (if any): _____