Electric fence project checklist

Planning, approval, safety, testing and handover items to confirm in Sarawak

Use this checklist before, during and after an electric-fence project at a landed home, compound or factory in Sarawak. Tick each item when it has been confirmed with HJ, the appointed parties or the relevant authority. Keep the completed list with your handover file.

BEFORE YOU START

In Sarawak, treat an electric fence as an approval and safety project. The Sarawak Ministry of Utility and Telecommunication publishes an Electrical Inspectorate Unit (EIU) procedure for installing and approving electric fences. The procedure refers to the Electricity Rules 1999, local-council requirements and MS IEC 60335-2-76.

Authority forms and requirements can change, so confirm the current requirements with the EIU before work starts. This checklist is a planning aid. It is not installation instruction or authority approval.

Reference: Sarawak Ministry of Utility and Telecommunication, EIU Installation — Guide for Electric Fence.

01	02	03	04
Boundary survey	Documentation	Appointed roles	Test & handover

BEFORE WORK

01 Survey the complete boundary

- [ ] Walk the complete fence line with HJ before any equipment is selected. HJ does not quote per metre without a site walk.
- [ ] Mark gates, slopes, walls, vegetation and existing mesh, and note the perimeter length.
- [ ] Mark public-facing edges, adjacent access and areas where people may approach the fence.
- [ ] Agree the fence structure and the zones, including zone lengths.
- [ ] Agree the energiser location and the isolation method. HJ will not hide the energiser where nobody can isolate it.
- [ ] Agree the earthing arrangement and lightning protection.
- [ ] Agree the warning-sign positions.
- [ ] Name the person responsible for safe operation and maintenance.
- [ ] Decide who receives an alarm, and whether the fence should link to an alarm system or CCTV.
- [ ] Confirm the exact energiser model with the appointed parties. A concept image does not establish approval or a safe energiser selection.

APPROVAL

02 Coordinate the approval file

The Sarawak EIU procedure calls for the items below. This is a summary and the current EIU page takes priority, so confirm the latest list before work starts.

- [ ] Confirm the current EIU requirements for your site type: residential, industrial, commercial or other.
- [ ] Confirm the local-council requirements for the site.

Approval file items

- [ ] Application
- [ ] EIU-registered electrical installation contractor
- [ ] Structural drawings and specifications
- [ ] Schematic drawings
- [ ] Site and owner information
- [ ] Competent person
- [ ] Energiser certification / test information
- [ ] Drawings and responsibilities signed or endorsed by the appropriate appointed parties
- [ ] HJ states its own installation and documentation scope clearly in the quotation. Authority, competent-engineer and local-council roles are not automatically included, so confirm who covers each one.

SAFETY

03 Confirm the safety items

- [ ] Warning signs are in place before the fence is energised. HJ will not energise a fence with no signs.
- [ ] The energiser can be reached and isolated, and the isolation and earthing arrangements are recorded.
- [ ] Equipment follows the applicable local process and the exact manufacturer instructions, through the appointed qualified parties.
- [ ] The design is for a security fence. Agricultural fencing is not assumed to be equivalent.
- [ ] Public exposure, local permission and safety requirements have been reviewed for the site.
- [ ] Nobody handles an energised fence, and nobody improvises live-wire demonstrations.
- [ ] A working alarm is not taken as proof that the fence is safe.

COORDINATION

04 Coordinate with other parties

- [ ] Agree who is responsible for the energiser, the fence, the gate bypass, the alarm interface and the response to an alarm.
- [ ] Confirm the appointed parties: the EIU-registered electrical installation contractor, the competent person and the parties who sign or endorse drawings.
- [ ] Keep customer, consultant, builder and appointed-specialist responsibilities explicit in writing.

- [ ] Regulated work starts only after the competent, qualified or appointed persons, approvals, safe isolation and responsibilities are confirmed.
- [ ] If an alarm system or monitoring is connected, identify it so interface checks can be included where supported.
- [ ] If CCTV covers the same boundary, agree how a triggered zone will be checked on camera. The fence stays a separate system with its own design, safety review and commissioning. It is not a camera feature.

TESTING

05 Test and commission

- [ ] Authorised, documented tests are carried out for each zone.
- [ ] Gate state is tested.
- [ ] Alarm delivery to the agreed recipient is tested.
- [ ] The required fault conditions are tested.
- [ ] Commissioning readings are recorded.
- [ ] Where the fence is linked to an alarm or CCTV, the agreed alarm and recording response is checked.
- [ ] HJ walks your team through the system and how it operates.

HANDOVER

06 Keep these handover documents

- [ ] Approved drawings and correspondence
- [ ] Energiser details
- [ ] Zone or sector references
- [ ] Warning-sign positions
- [ ] Commissioning readings
- [ ] Operating instructions
- [ ] Maintenance contacts
- [ ] Approved layout
- [ ] Equipment and manual versions
- [ ] Zone and earth records
- [ ] Isolation and earthing notes
- [ ] Authorised test reports
- [ ] Warnings and response instructions

Changes made after approval should be assessed before the fence is returned to service.

AFTER HANDOVER

07 Keep the fence in service

- [ ] Keep vegetation clear of the fence line and check for loose strands.
- [ ] Have wire tension, earthing connections and the energiser checked periodically, especially after storms or heavy rain.

- [ ] Confirm any periodic inspection requirement with the relevant parties, and plan visits for it.
- [ ] Consider an annual maintenance contract (AMC) visit for the fence, especially on factory lots. The quotation should state the included tasks, visit arrangements, parts and exclusions.
- [ ] Treat an extension or alteration as a separate scope. Review the documentation, approvals and responsible parties for the actual proposed work.
- [ ] To report a fault, share the displayed fault information, the affected section and the service history. Describe the symptom without attempting a repair.
- [ ] For service visits, diagnostic attendance, repairs, parts and any travel charges are confirmed with you before work.

PROJECT NOTES

HJ's role and next step

HJ handles the site survey, fence design, wiring, signage, testing and documentation support for the scope stated in the quotation. JVA systems are supplied through JVA-authorised IS Distributions (ISD) and installed by HJ.

CONTACT HJ SECURITY

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Sun / Public Holiday: By appointment

Site surveys for new installations are free. For repairs, service and outstation visits, diagnostic attendance, labour, parts and any travel charges are confirmed with you before work starts.

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