



Solar Street Light Tender & Submittal Pack (Client Preparation Kit)

A reusable, printable checklist + submittal structure your EPC/procurement team can use to prepare an approval-ready package. Aligned to EN/BS/ISO references commonly accepted in Africa & the Middle East.

Project name	_____	Country/region	_____
Road class	Arterial / Collector / Local	Road width (m)	_____
Pole height (m)	_____	Spacing (m)	_____
Autonomy nights	2 / 3 / 5	Dimming curve	_____
Environment	Coastal / High wind / Dust / Flood	Evaluator / Date	_____

Hard-gate rules (non-negotiable)

- **IES/LDT files** for the exact luminaire + lens configuration (DIALux/AGi32-ready).
- **UN38.3 + MSDS + Packing declaration** for the shipped battery configuration (include shipping method note).

Tender / submittal checklist (copy/paste + print)

Tick	What to submit	Evidence / notes
■	Lighting simulation report (PDF) for your road geometry	DIALux/AGi32 report with assumptions stated.
■	IES/LDT files + photometric plots	Exact model + lens; mounting assumptions.
■	BOM + BOQ mapping to tender line items	Line-by-line mapping to avoid scope disputes.
■	Battery UN38.3 + MSDS + packing declaration	Labels + packing statement; shipping method note.
■	Controller spec + MPPT description + dimming profile options	Configurable profiles; default curve documented.
■	Luminaire IP/IK ratings + thermal notes (if available)	IP/IK statement; thermal notes/derating if provided.
■	Pole + foundation drawings + anchor bolt template + corrosion notes	Include wind/corrosion + exposure class (EN 206) where used.
■	Installation manual + commissioning checklist + troubleshooting guide	Field steps + acceptance checks + photo records.
■	Component-split warranty statement	Battery / luminaire / controller + replacement process.
■	Spare parts list + recommended quantity + lead time	Part numbers; escalation path.
■	After-sales contacts + training / hand-over plan	Named contacts; response times; training scope.



Suggested submittal folder structure (consultant-friendly)

- **00_Admin** — cover letter, contacts, revision log
- **01_Photometry** — IES/LDT + plots + simulation report
- **02_Energy_Autonomy** — autonomy model, dimming curve, worst-month assumptions
- **03_Battery_Compliance** — UN38.3, MSDS, packing declaration
- **04_Luminaire** — datasheet, IP/IK, controller profile
- **05_Structural_Civil** — pole + foundation drawing, anchor bolt template, corrosion/exposure notes
- **06_Installation_O&M;** — installation, commissioning, troubleshooting, spares
- **07_Warranty_Aftersales** — component-split warranty, escalation path, training plan

EN/BS reference map (for Design Basis / General Notes)

Topic	Typical references (as applicable)
Road lighting classes & performance	EN 13201 series; BS 5489-1; CIE/IES guidance
Pole basis of design & wind	EN 40; EN 1990; EN 1991-1-4
Concrete & durability	EN 1992-1-1; EN 206 (Exposure class XC/XD/XS; concrete class)
Corrosion protection	ISO 1461 (HDG); ISO 12944 (coating system)
Battery transport documents	UN 38.3; MSDS; packing declaration requirements

Note: Final approval depends on project-specific inputs (wind zone, soil bearing, corrosion class, road geometry) and the consultant's tender documents.