RE & STORAGE ADVISORY · STEP 04 · PMC & INDEPENDENT OVERSIGHT · REPORT

Technical & Financial Due Diligence Report

Bankability-standard review of design basis, contracts, permits and financial model assumptions for lender credit approval or investor sign-off.

Worked example (anonymised): Standalone BESS Independent Engineer Mandate · 400 MW / 800 MWh LFP battery energy storage system · Western India, grid-connected at 220 kV. Engaged as lender's independent engineer through 14-month EPC construction, covering container yard civil works, PCS/transformer installation, protection testing and grid compliance studies ahead of commercial operation.

Sample excerpt · Key Risk Register (Extract)

Risk Area	Description	Severity	Mitigation	Status
Grid connectivity	DISCOM approval for augmented bay pending	High	Escalation with SLDC	Open
Cell supply	Single-source LFP cell supplier	Medium	Alternate vendor qualified	Monitoring
Land title	Partial lease renewal pending	Medium	Legal counsel engaged	In progress
Warranty structure	Augmentation guarantee ambiguity	Low	Clause redrafted with EPC	Closed

Notes

- Structured to lender/rating-agency due diligence checklist
- Cross-referenced with insurance and O&M; contract review

What happens in this step

1. Mobilise site and design-office team; establish RACI, reporting cadence and document control aligned to EPC contract and lender requirements
2. Review detailed engineering, equipment datasheets and factory test plans for compliance with technical specification and grid code
3. Conduct scheduled and surprise site inspections covering civil, electrical BoP, mechanical erection and HV works with photographic evidence logs
4. Witness FAT/SAT, pre-commissioning checks, protection testing and grid synchronisation; validate as-built drawings against design
5. Independently verify contractor progress claims, cost-to-complete and variation requests before certifying milestone payments
6. Prepare monthly lender/independent engineer reports covering schedule variance, risk register, HSE incidents and insurance compliance
7. Support performance test witnessing, punch-list closure and handover to O&M; for provisional and final acceptance certificates

Outcomes

- Independently verified progress and quality, reducing payment disputes and variation claims
- Lender and investor confidence maintained through transparent, bankability-standard reporting
- Early identification and mitigation of schedule, cost and interface risks before they escalate
- Smooth handover to operations with clean as-built documentation and acceptance certificates

Want this for your project? Write to info@growthifye.com or use the Contact page — we will scope the real deliverable set for your capacity, state and lender requirements.