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

Monthly Independent Engineer Report

Consolidated schedule, cost, quality and risk status against contract baseline, submitted to lenders and project sponsors.

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.

Illustrative sample image

Sample excerpt · Schedule & Milestone Tracker (Extract)

Milestone	Planned Date	Actual/Forecast	Status	Comment
Container foundation complete	Mar-24	Mar-24	Achieved	No slippage
PCS skid installation	May-24	Jun-24	Delayed 3 wks	Transformer delivery delay
Protection & relay testing	Jul-24	Jul-24	On track	Witnessed by IE team
Grid synchronisation	Sep-24	Oct-24	At risk	Pending DISCOM approval
Reliability run (72 hr)	Oct-24	Nov-24	Forecast	Contingent on sync date

Notes

• Includes photographic site evidence and non-conformance log
• Cross-checked against contractor's own progress S-curve

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.