



EPC · STEP 04 · COMMISSION & HAND OVER · SCHEDULE

As-Built Documentation & O&M; Handover Pack

Complete document set for asset transfer including as-built drawings, spares register, warranty schedule and O&M; training log.

Worked example (anonymised): Standalone BESS Commissioning Programme · 100 MW / 200 MWh, 33 kV collector, LFP chemistry · Western India. Grid-connected standalone BESS under a state DISCOM tender, requiring CEA grid-code compliance testing and round-trip efficiency verification before COD certification.

Sample excerpt · Handover Documentation Index (Illustrative)

Document	Format	Status	Owner
As-built SLD & layout drawings	PDF/DWG	Issued	EPC contractor
OEM warranty certificates (PCS, cells, transformer)	PDF	Issued	OEM
Spares & consumables register	Excel	Issued	O&M; contractor
Protection relay settings register	Excel	Issued	EPC contractor
O&M; training attendance log	PDF	Issued	Asset owner
Insurance completion certificate	PDF	Pending	Asset owner

Notes

- Index tracked to closure before final payment milestone release
- Digital copies stored in shared data room accessible to lenders and insurers

What happens in this step

1. Pre-commissioning checklist review: protection relay settings, earthing continuity, cable megger/HiPot results signed off before energisation
2. Sequential energisation of feeders/strings/PCS skids with cold and hot commissioning logs maintained per equipment
3. Grid-code compliance testing: LVRT/HVRT, frequency response, reactive power (Q-V) capability, harmonics (THD) as per CEA/CERC and state DISCOM protocols
4. Performance ratio (solar) or round-trip efficiency and availability (BESS) verification against EPC contract guarantee thresholds using calibrated meters
5. Joint inspection with DISCOM/STU and third-party test agency for provisional and final grid connectivity approval
6. As-built drawing reconciliation, punch-list closure, and O&M; manual compilation with spares/warranty registers
7. Formal handover pack issued to asset owner and O&M; team with training walkthrough

Outcomes

- Grid-code compliance certification enabling provisional/final DISCOM connectivity approval
- Independently verified performance metrics protecting owner against underperformance risk
- Complete, audit-ready documentation reducing insurance, lender and O&M; handover friction
- Clean punch-list closure minimising post-COD warranty disputes with EPC contractor

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.