



Project v/s Shutdown

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Sr. No.	Project	Shutdown
1	Well-defined scope, from: a. Tender Document b. Drawings c. Specifications d. Contracts	95% defined scope, from: a. Past Turnaround experience b. Inspection reports c. Operations requests d. Historical estimates
2	Project Phases : Engineering, Procurement, Construction and Commissioning	Shutdown Phases : Pre-Shutdown, Decommissioning, Shutdown, Start-Up and Commissioning
3	Period is 18 to 24 Months	a. Preshutdown 2-3Months b. De-Commissioning 7 Days c. Shutdown 25 to 30 days d. Commissioning 7 Days
4	Cost is Moderate	Cost is High
5	The project end date may slip	The Startup date is very crucial, if it gets delayed it will have impact on production and supply
6	Resource requirement is as per job schedule	Resource requirement is very high due to short shutdown window. Mobilization of resources is very tough task
7	Scope is static. Few changes occur during execution.	Scope is dynamic. Many changes occur as inspections are made.
8	Can be planned and scheduled well in advance of the project.	Planning and scheduling cannot be finalized until the scope is approved, generally near the shutdown date.
9	Projects are organized around Cost codes / Packages	Turnarounds are work order based. Contractor wise

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10	Manpower staffing requirements usually do not change during project execution.	Manpower staffing requirements change during execution due to scope fluctuations (from discovery work).
11	Generally do not require safety permits to perform work.	Turnaround work requires extensive permitting every shift.
12	Projects measure time in days, weeks and months.	Turnarounds measure time in hours or shifts.
13	Project schedules can be updated either weekly or monthly.	Turnaround schedules must be updated every shift, daily
14	Calendar is 6 to 7 Days a week and 8 to 12 hours per day	Calendar is 7 days a week and 24 hours per day
15	Project schedules are uncompressed. Schedule acceleration can be used to correct slippages in the critical path	Turnaround schedules are compressed. There may be little or no opportunity to correct the critical path by accelerating the schedule.