

ABOUT PERT

PERT (Program Evaluation and Review Technique) is a project management tool used to plan, schedule, and analyse tasks involved in a project. It helps to identify critical activities, dependencies, expected durations and the shortest time required to complete the project.

LEGEND



STEP BY STEP EXPLANATION

ID	PHASE / ACTIVITY	DESCRIPTION	KEY DELIVERABLES	DEPENDENCIES	DURATION (EST.)
A	 Project Initiation	Define project objectives, scope, stakeholders, project team, and initial site review.	<ul style="list-style-type: none"> Project Brief Stakeholder Register Initial Scope 	Start	5 days
B	 Feasibility & Planning	Conduct feasibility study, budget estimate, risk assessment and develop the project plan.	<ul style="list-style-type: none"> Feasibility Report Project Plan Budget Estimate 	A	10 days
C	 Design & Documentation	Prepare concept design, detailed design, drawings, specifications and BOQ.	<ul style="list-style-type: none"> Drawings Specifications BOQ 	B	15 days
D	 Approvals & Permits	Lodge and obtain all statutory approvals, permits and compliance certifications.	<ul style="list-style-type: none"> DA/CC Approvals Permits Compliance Certificates 	C	10 days
E	 Procurement & Contracting	Identify suppliers, call tenders, evaluate and award contracts.	<ul style="list-style-type: none"> Tender Report Contracts Purchase Orders 	C (can run in parallel with D)	15 days
F	 Pre-Construction & Mobilisation	Site establishment, SWMS, inductions, mobilise resources and materials.	<ul style="list-style-type: none"> Construction Program Site Setup Inductions 	D, E	10 days
G	 Construction Execution	Carry out construction works in accordance with plans, standards and program.	<ul style="list-style-type: none"> Completed Works Daily Reports Progress Updates 	F	Varies
H	 Quality Control & Inspections	Perform inspections, testing, quality assurance and ensure compliance.	<ul style="list-style-type: none"> Inspection Reports Test Results NCR Logs 	G	Throughout
I	 Commissioning & Handover	Test, commission systems, rectify defects and handover to client.	<ul style="list-style-type: none"> Commissioning Reports O&M Manuals Handover Certificate 	G, H	10 days
J	 Post Project & Close Out	Complete close out documentation, final accounts, lessons learned and project evaluation.	<ul style="list-style-type: none"> Defects Rectified As-Built Drawings Final Report 	I	10 days
K	 Project Monitoring & Reporting (Throughout)	Monitor progress, cost, quality and risks. Provide regular reports to stakeholders.	<ul style="list-style-type: none"> Progress Reports Risk Register Meeting Minutes 	F, G, H	Throughout

CRITICAL PATH

A → C → D → F → G → H → I → J

(The sequence of activities that determines the shortest project duration.)

Activities on the critical path have zero total float.

BENEFITS OF USING PERT

- ✓ Identifies critical activities and bottlenecks
- ✓ Helps in time management and scheduling
- ✓ Improves coordination and resource allocation
- ✓ Minimises delays and project risks
- ✓ Enhances communication and reporting

HOW TO USE THIS TIMELINE

- 1 Review each activity and its dependencies
- 2 Confirm durations with your team
- 3 Identify critical path activities
- 4 Monitor progress regularly
- 5 Update and communicate changes promptly



OUR COMMITMENT

- Quality & Compliance
- Transparent Communication
- Safety & Wellbeing
- On Time, On Budget
- Client Satisfaction

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OUR GOAL

To Deliver Every Project With Excellence, Integrity & Pride.



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Building Better Futures Together