

Serial Number	Category	Types
01	Management	<ul style="list-style-type: none"> • Selection of project delivery and contracting system • Selection of Project Management Consultant • Selection of Designer • Selection of Contractor/EPC Contractor
02	Contract (Project)	<ul style="list-style-type: none"> • Scope/Design changes • Schedule • Cost • Conflict resolution • Delay in change order negotiations
03	Statutory	<ul style="list-style-type: none"> • Statutory/regulatory delay
04	Technical	<ul style="list-style-type: none"> • Incomplete design • Incomplete scope of work • Design changes • Design mistakes • Errors and omissions in contract documents • Incomplete specifications • Ambiguity in contract documents • Inconsistency in contract documents • Inappropriate schedule/plan • Inappropriate construction method • Conflict with different trades • Improper coordination with regulatory authorities • Inadequate site investigation data
05	Technology	<ul style="list-style-type: none"> • New technology
06	Construction	<ul style="list-style-type: none"> • Delay in mobilization • Delay in transfer of site • Different site conditions to the information provided • Changes in scope of work • Resource (labor) low productivity • Equipment/plant productivity • Insufficient skilled workforce • Union and labor unrest • Failure/Delay of machinery and equipment • Quality of material • Failure/Delay of material delivery • Delay in approval of submittals • Extensive subcontracting • Subcontractor's subcontractor • Failure of project team members to perform as expected • Information flow breaks
07	Physical	<ul style="list-style-type: none"> • Damage to equipment • Structure collapse • Damage to stored material • Leakage of hazardous material • Theft at site • Fire at site

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08	Logistic	<ul style="list-style-type: none"> ● Resources' availability ● Spare parts' availability ● Consistent fuel supply ● Transportation facility ● Access to worksite ● Unfamiliarity with local conditions
09	Health, safety, and environment	<ul style="list-style-type: none"> ● Injuries ● Health and safety rules ● Environmental protection rules ● Pollution rules ● Disposal of waste
10	Financial	<ul style="list-style-type: none"> ● Inflation ● Recession ● Fluctuations in exchange rate ● Availability of foreign exchange (certain countries) ● Availability of funds ● Delays in payment ● Local taxes
11	Economical	<ul style="list-style-type: none"> ● Variation of construction material price ● Sanctions
12	Commercial	<ul style="list-style-type: none"> ● Import restrictions ● Custom duties
13	Legal	<ul style="list-style-type: none"> ● Permits and licenses ● Professional liability ● Litigation
14	Political	<ul style="list-style-type: none"> ● Change in laws and regulations ● Constraints on employment of expatriate workforce ● Use of local agent and firms ● Civil unrest ● War
15	Natural/ Environmental	<ul style="list-style-type: none"> ● Flood ● Earthquake ● Cyclone ● Sandstorm ● Landslide ● Heavy rains ● High humidity ● Fire
16	Geological	<ul style="list-style-type: none"> ● Estimation of accessible reserves
17	Supply and demand	<ul style="list-style-type: none"> ● Financial crises and macroeconomic factors
18	Operational	<ul style="list-style-type: none"> ● Availability of skilled workers

