

Budgeting and Cost Estimation in Construction

Part 1: Roleplay Dialogue

Characters:

- *Aiko* – Civil Engineer
- *Ryan* – Project Manager

Dialogue:

Aiko: Ryan, I've been working on the *project costing* for the upcoming bridge construction. I need your input on a few details.

Ryan: Of course, Aiko. Have you completed the *bill of quantities (BOQ)* yet? That will help us understand the material requirements.

Aiko: Yes, I've listed all materials, but I'm refining the *material estimation* to ensure we don't under- or over-order. Do you think our current supplier rates will stay the same?

Ryan: It's hard to say. Prices fluctuate, so we should factor in some flexibility. Also, have you done the *labor cost analysis*? We need to budget for additional shifts if necessary.

Aiko: I have a preliminary estimate, but I'll need to adjust it based on workforce availability. I'm also finalizing the *budget forecasting* for the next six months.

Ryan: Good approach. Once you finalize the numbers, let's review them together before submitting the final proposal.

Aiko: Sounds great! I'll refine the calculations and send you a draft by the end of the day.

Part 2: Comprehension Questions

1. What is Aiko currently working on?
 - (A) A labor recruitment plan

- (B) A project costing estimate
- (C) A bridge design blueprint
- (D) A risk assessment report

2. What does Ryan suggest about material pricing?

- (A) Prices will stay the same
- (B) They should order everything in bulk
- (C) Prices can fluctuate, so flexibility is needed
- (D) They should use leftover materials from another project

3. What part of the budgeting process is Aiko finalizing?

- (A) Risk management strategy
- (B) Budget forecasting for six months
- (C) The legal compliance report
- (D) Client contract negotiation

4. Why does Aiko need to refine the material estimation?

- (A) To ensure materials arrive on time
- (B) To avoid ordering too much or too little
- (C) To improve worker productivity
- (D) To change the design of the project

Part 3: Key Vocabulary with Japanese Definitions

1. **Project costing** – プロジェクトの費用見積もり

2. **Bill of quantities (BOQ)** – 数量表（建設資材や作業の詳細リスト）

3. **Material estimation** – 材料の見積もり

4. **Labor cost analysis** – 労働コスト分析

5. **Budget forecasting** – 予算の予測

Part 4: Answer Key

1. **What is Aiko currently working on?**

☒ (B) A project costing estimate

2. **What does Ryan suggest about material pricing?**

☒ (C) Prices can fluctuate, so flexibility is needed

3. **What part of the budgeting process is Aiko finalizing?**

☒ (B) Budget forecasting for six months

4. **Why does Aiko need to refine the material estimation?**

☒ (B) To avoid ordering too much or too little