

Key Discussion Questions (Panel)

Focus: Strategic Alignment, Stakeholder Management, and Risk Management

I. Stakeholder & Conflict Resolution:

- 1. What are the primary sources of conflict (e.g., **design changes**, payment delays) between critical internal and external stakeholders?
- 2. How can project **organization structures** be designed to promote clarity and accountability, supported by standardized Communication Frameworks?
- 3. What are the best practices for fair risk allocation and ensuring "**contract clarity**" within the context of scope, quality, and change management?

II. Digital Transformation and Project Integration (BIM & Data Integration)

- 1. How can effective BIM use successfully transition from a design tool to an essential on-site construction **management tool**?
- 2. What are the specific challenges and scalable solutions for achieving seamless Project Data Integration across disparate software platforms (**BIM, PM Software, Accounting**)?

III. Smart Technologies on Site

- 1. **Beyond standard visual inspection**, what demonstrable value-add do advanced **smart technologies** (drones, digital twins, AI-powered monitoring) provide for project progress **verification and forecasting**? **MNBC – Part 7**

Action Plan for Myanmar Construction Sector (Strategic Pillars: Standardization, Digital Adoption, and Capacity Building) ^{Group I}

1. Regulatory & Standardization Roadmap

➤ National Standard Development:

Facilitate the adoption of international best practices **by transferring ISO 21502 (Project Management) into a Myanmar National Standard.**

➤ Quality System Upgrade

Implement **ISO 17020:2012 for Quality Assurance/Quality Control (QA/QC) assessment** and follow up with a specific **national standard for Quantity Surveying (QS) formats and detailed measurement guidelines.**

➤ Data Interoperability (BIM)

Define and **implement Project Data Standards** across the sector to ensure seamless interoperability **between different software used for design, project management, and accounting.**

➤ Cost & Measurement Clarity

Develop and implement **a specific national standard for Quantity Surveying (QS) formats and detailed measurement guidelines** to improve transparency and standardization in costing.

Action Plan for Myanmar Construction Sector (Strategic Pillars: Standardization, Digital Adoption, and Capacity Building)

2. Digital Piloting and Investment

➤ **Pilot Project Initiation**

Launch structured Pilot Projects to explore and prove the Return on Investment (ROI) for adopting key digital technologies such as Drones and Digital Twins for enhanced project monitoring and progress verification.

➤ **BIM Implementation**

Focus on achieving a clear transition from traditional 2D planning to BIM-enabled Project Management to leverage improved clash detection and accurate quantity surveying.

(MPMEA)

Action Plan for Myanmar Construction Sector (Strategic Pillars: Standardization, Digital Adoption, and Capacity Building)

3.Management and Personnel Enhancement

➤ Stakeholder Frameworks

Mandate the establishment of a project-specific Stakeholder Engagement Plan and a Standard Communication Protocol to proactively mitigate primary conflict risks.

➤ Expert Consultation

Secure experienced **Project Management Consultancy for high-rise building projects**, specifically in the areas of advanced project management, international construction practice, and safety standards. Establish **Myanmar Project Management Engineering Association**. (MPMEA)

Key Discussion Questions (Panel)

1. How can we enforce **QC & NCR** (Non Conformity Report) culture?
2. What **HSE** gaps must we fix immediately?
3. How ready are we for **ESG** reporting?
4. What **modern construction technique** should be adopted first?
5. How to improve **PM-contractor-designer coordination**?

Final Key Message:

- **Integrate**
- **Communicate**
- **Monitor**
- **Improve**

Action Plan for Myanmar Construction Sector

Top 7 Improvements:

1. Mandatory **PEP / PQP**
2. **Digital document control**
3. Third-party testing culture
4. Systematic **HSE audits**
5. **Temporary works design**
6. **Waste & Environmental control**
7. **Annual facility inspection**

Action Plan for Myanmar Construction Sector Health, Safety, and Environment (Ensuring Compliance and Culture)

➤ Fire Prevention Mandates

Enforce strict adherence to fire safety in temporary works, including mandatory use of **metal scaffolding** (or permitted bamboo), use of non-flammable materials for exterior works, and permitted mesh netting.

➤ Systematic Safety Planning

Develop and implement a comprehensive, systematic **Fire Safety Plan** for all sites (e.g., scheduled fire drills, designated smoking areas, segregated working zones).

➤ Safety Budgeting

Allocate a dedicated, non-negotiable budget for safety (e.g., **1-5% for small/medium projects, 1-3% for medium/large**) to cover regulatory requirements, equipment testing, training, and skilled personnel.

➤ Risk /Hazard Management

Ensure proactive and documented management of the *common construction hazards* identified in **MNBC-2025 Part 7**, including Working at Height, Electrical, Fire, and Falsework/Formwork risks.

Project Management Sector- Wide Action Plan for Myanmar Construction Industry

1. Launch “**MNBC Compliance Awareness Program**”.
2. Establish **Myanmar Project Management Engineering Association** (MPMEA)
3. Establish **National Regulatory & Standardization Roadmap**
4. Introduce **Digital QC/HSE Pilot Projects**.
5. Standardize **PEP/PQP Templates** for all major developments.
6. Strengthen **Testing Laboratories Accreditation**.
7. Improve **contractor pre-qualification** based on **QC, HSE, ESG** .
8. **Annual inspection** of **existing buildings** >8 years.
9. Implement a comprehensive, systematic **Fire Safety Plan**.
10. Allocate a dedicated, non-negotiable **Budget for safety**.
11. Publish **MNBC-Compliant Best Practice Guidelines** for developers.

THANK YOU