BIM vs Traditional Method

Design Phase Period

- BIM

Modeling → Analysis & Design → Coordination → Drafting

- Traditional Method

Modeling → Analysis & Design → Coordination → Drafting

Design/Construction Coordination Process

- BIM

3D combined model and interference checking

- Traditional Method

2D combined drawing

Design Documentation

- BIM

Systematic file
Easy to manage

- Traditional Method

Too many files
Difficult to manage

Visualization

- BIM

Many type of view can be generated in a faster and easier way

Better understanding through 3D visualization

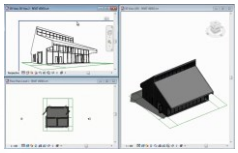
- Traditional Method

Faces difficulty to create different type of views

Chances of mistakes

Design Changes

- BIM



Design changes can be done in faster and easier way

Parametric concept

- Traditional Method

Difficult to make design changes

Changes need to be done in every views

Design and Drawing Development

- BIM

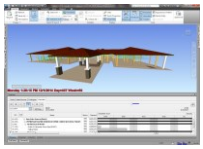
Drawing is generated from the model

- Traditional Method

Model and drawing are produce separately

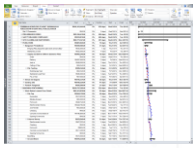
Project Monitoring

- BIM



Project monitoring through 4D model

- Traditional Method



Project monitoring through work programme sheet

Others..

Description	BIM	Traditional Method
Quantity materials estimation	Quantity of materials is generated from the model	Quantity of materials is calculated manually
Asset record	Asset records are included in the model	No information recorded
Engineering analysis	Different software using same model information	Different model need to create based on types of software application
Preliminary setting	Design information	Layer setup