BUILDING INFORMATION MODELLING PROJECT EXECUTION PLAN

BIM Project Execution Plan For
Building Information Modelling Consultancy Services For The

BIM Project Execution Plan for
Building Information Modelling Consultancy Services for the

Contents

SECTION A: BIM PROJECT EXECUTION PLAN OVERVIEW

To successfully implement Building Information Modelling (BIM) on a project, the project team has developed this detailed BIM Project Execution Plan. The BIM Project Execution Plan defines uses for BIM on the project (e.g. design authoring, cost estimating, and design coordination), along with a detailed design of the process for the executing BIM throughout the project lifecycle.

As this project is a BIM training focused project, the only BIM services consultant will provide is training. [redacted] will help client to produce tender drawing, and the key date of the drawing production will be:

(i)	**1st Batch of tender drawings submission**	**End of Dec 2015 (TBC)**
(ii)	**Final Batch of tender drawings submission**	**End of Jan 2016 (TBC)**

▌SECTION B: PROJECT INFORMATION

1. **PROJECT OWNER:**

2. **PROJECT NAME:**

3. **PROJECT LOCATION AND ADDRESS:**

4. **CONTRACT TYPE / DELIVERY METHOD:**

   Hands on workshop / training with BIM software

5. **BRIEF PROJECT DESCRIPTION:**

   The project is the Signature Project Scheme proposed in . The project is proposed and agreed by with the support from and will be handed over to the for management upon completion. The site area is approximately 4,750sq.m.

6. **ADDITIONAL PROJECT INFORMATION:**

   The Project comprises of:

   (a) An outdoor performance stage with canopy (Shelter 3), integrated with an uncovered spectator area that is capable to serve about1,000 persons with shelter (Shelter 2)
   (b) Male, female & accessible dressing room at backstage
   (c) Control room and switch room at backstage
   (d) Equipment store / horticultural store / roll-call room for contract Staffs
   (e) Multi-purpose platform
   (f) Waterfront promenade connecting the adjacent Aldrich Bay Promenade
   (g) External Uncovered Public Exhibition / Activities Area
   (h) Sitting-out area with planters, single garden seats and shelter (Shelter 1)
   (i) Refuse collection chamber
   (j) Loading / unloading bay for 2 medium goods vehicles

The site is adjacent to [redacted] of [redacted]

It is intended that a non-building area would be reserved in the layout of this project for the potential future access. However, the width of access should be kept to a minimum in order to maximize the spectator area of the [redacted].

7. PROJECT NUMBER:

PROJECT INFORMATION	NUMBER
CONTRACT NUMBER	--
PROJECT NUMBER	--

8. PROJECT SCHEDULE / PHASES / MILESTONES:

ITEM	TASK	DATE
(i)	Date for commencement	18 Dec 2015
(ii)	Date for submissions BIM Project Execution Plan (PEP)	23 Dec 2015
(iii)	1st Training session (Project Training for prelim BIM concept)	End of Dec 2015 (TBC)
(iv)	1st Batch of tender drawings submission	End of Dec 2015 (TBC)
(v)	Final Batch of tender drawings submission	End of Jan 2016 (TBC)

SECTION C: KEY PROJECT CONTACTS

ROLE	ORGANIZATION	CONTACT NAME	LOCATION	E-MAIL	PHONE
Project Manager(s)	--	--	--	--	--
BIM Project Director	--	--	--	--	--
BIM Manager	--	--	--	--	--

SECTION D: PROJECT GOALS / BIM USES

1. **MAJOR BIM GOALS / OBJECTIVES:**

PRIORITY	GOAL DESCRIPTION	POTENTIAL BIM USES
HIGH	TENDER DRAWING PRODUCTION	TRAINING FOR ASD STAFF TO ACHIEVE DRAWING PRODUCTION

2. **BIM USE ANALYSIS WORKSHEET:**

N/A

3. **BIM USES: To be discussed.**

X	PLAN	X	DESIGN	X	CONSTRUCT	X	OPERATE

SECTION E: ORGANIZATIONAL ROLES / STAFFING

1. BIM ROLES AND RESPONSIBLITIES:

ROLES	RESPONSIBILITIES
PROJECT MANAGER	Responsible for tender drawing production
BIM PROJECT DIRECTOR	Focus on training, help owner buildup the BIM knowledge, develop the BIM project template, QA and QC on drawing production procedure.
BIM MANAGER	Focus on training, help owner buildup the BIM knowledge, develop the BIM project template

2. BIM USE STAFFING: TBC

BIM USE	ORGANIZATION	NUMBER OF TOTAL STAFF FOR BIM USE	ESTIMATED WORKER HOURS	LOCATION(S)	LEAD CONTACT

SECTION F: BIM PROCESS DESIGN

Provide process maps for each BIM Use selected in section D: Project Goals/BIM Objectives. These process maps provide a detailed plan for execution of each BIM Use. They also define the specific Information Exchanges for each activity, building the foundation for the entire execution plan. The plan includes the Overview Map (Level 1) of the BIM Uses, a Detailed Map of each BIM Use (Level 2), and a description of elements on each map, as appropriate. Level 1 and 2 sample maps are available for download at --. (Please note that these are sample maps and should be modified based on project specific information and requirements). Please reference Chapter Three: Designing BIM Project Execution Process in the BIM Project Execution Planning Guide found at --.

SECTION G: BIM INFORMATION EXCHANGES

1. LIST OF INFORMATION EXCHANGE WORKSHEET(S)

N/A

2. MODEL DEFINITION WORKSHEET:

N/A

SECTION H: BIM AND FACILITY DATA REQUIREMENT

The section should include the owners BIM requirements. It is important that the owner's requirements for BIM be considered so that they can be incorporated into the project's BIM process.

Software requirement:

Item	Software	Number of License
1.	Autodesk Building Design Suite 2016, which includes Autodesk Revit 2016	2
2.	Fuzor Ultimate 2016	1

Hardware Specifications:

Item	Hardware	Number
1.	The minimum hardware requirements for creating BIM models, families and assemblies: - Intel ® Core i7-4770 CPU @3.40GHz or equivalent AMD Athlon ® processor - Microsoft® Windows 7 Pro 64-bit - 64GB RAM - 1TB free disk space - DirectX® 11 capable graphics card with Shader Model 3 or equivalent - Video display 1,280x1,024 with true colour - Internet connection for communication with project team - Two-bottom mouse with scroll wheel - Microsoft® Internet Explorer® 8.0 or later	2
2.	Server: - Up to two Intel® Xeon® processors E5-2600 v3 seriers with up to 18 cores each / up to 45MB per processor - Up to 1.5 TB with SK Hynix 64 GB TruDDR4 Memory LRDIMMs; System supports RDIMM/LRDIMM - Up to 24 front and 2 rear 2.5-inch HDDs/SSDs; or up to 12 3.5-inch and 2 rear 3.5-inch HDDs + 2 rear 2.5-inch HDDs/SSDs; or up to 8 3.5-inch HDDs and 2 rear 3.5-inch or 2.5-inch HDDs/SSDs (model dependent)	1

- 12 Gbps dedicated slot for the first RAID; support for up to four RAID adapters
- Up to 1/2 redundant 550 W AC, 750 W AC, 900 W AC, 1500 W AC, 900 W DC 80 PLUS® Platinum, or 750 W AC 80 PLUS Titanium
- Power supplies, fan modules, and HDDs/SSDs
- 4 x 1 GbE (std) and 1 x IMM; optional 10/40 GbE ML2 or PCIe adapter; Trusted Platform Module built-in
- 1 – 8 PCIe 3.0 slots (supports up to 2 x 300 W GPUs and up to 1 x ML2) and 1 dedicated RAID slot
- Up to 3 front (1 x USB 3.0, 2 x USB 2.0) and 4 back (2 x USB 3.0, 2 x USB 2.0) and 1 internal (USB 3.0) for hypervisor/1 front and 1 back
- Up to 100 TB storage space
- 80 PLUS® Platinum, 80 PLUS Titanium; ENERGY STAR compliance (model dependent)
- IMM2.1; one IMM dedicated port and one shared; optional remote presence; Predictive Failure Analysis; LEDs; optional next-gen light path diagnostics panel
- Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere (Optional USB Key or SD Media Adapter)

▌SECTION I: COLLABORATION PROCEDURESS

▌SECTION J: QUALITY CONTROL

▌SECTION K: TECHNOLOGICAL INFRASTRUCTURE NEEDS

▌SECTION M: PROJECT DELIVERABLES

▌SECTION N: DELIVERY STRATEGY / CONTRACT

▌SECTION O: ATTACHMENTS