

Status Summary for the Astro-Math Building

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0. Progress Overview

This project has been running over 8 years and 3 months since 17 August 2001. The first phase was for planning, taking 28 months to finalize the plan and design with the Taida administration (2001/8/17 – 2003/12/25). The second phase was for bidding process, taking 7 months to get contract in place. The contractor took 4 years to build up the main building (2005/10/17 – 2009/11/30). We expect the contractor to build up the telescope maintenance building by end of July in this year. To refresh your memory, some milestones of the project are listed below:

- 2001/8/17 Sign a contract with J.J.Pan & Partners Architects for project management.
- 2001/9/26 The first meeting of the construction committee.
- 2001/12/28 Select Architect Cho as the designer and oversee the construction of the building
- 2003/10/03 Submit the design and construction plan to the city government to review.
- 2003/12/25 The city government approved the design and construction plan with conditions.
- 2004/10/18 At the 15th meeting, the construction committee set up a criteria of the best advantage to the buyer for the selection of the construction company through an open bid process.
- 2005/10/14 Contract awarded to the joint venture bidder of Chi-Chen and TOEC. (The 1st announcement for the open bid was on 22 March 2005.)
- 2006/3/22 Contractor received the permit for construction by the city government.
- 2006/10/11 The city government approved the contractor's evaluation plan for the hazardous working place.
- 2006/11/03 Contractor began with the site preparation
- 2009/11/30 Received the building use permit for the main building from the city government



1. Current Status

We received the building use permit for the main building by 30 November 2009, and moved into the new building at the end of November. The construction for the telescope maintenance building will be resumed right after the Taida transformer station is removed. Its tentative construction period is from the 1st of May to the end of July.

2. Things to do in 2010

- 2.1. The second acceptance inspection to the main building by the users is still underway. We are aiming to get it done before the end of March.
- 2.2. The construction for the telescope maintenance building should be started in April, depending on how soon the Taida transformer people move into the new building. Table 1 as below shows the tentative time table of construction for the telescope maintenance building.
- 2.3. The selection of the public art needs to be resumed in this year.

Table 1. Tentative Time Table for the Telescope Maintenance Building

Tasks	Working days	Start	Finish
Remove the transformer station and prepare the site for telescope maintenance building	7	1 May	7 May
Handle the structure interface with the main building	3	4 May	8 May
Foundation and steel structure	32	8 May	9 June
Pre-cast RC and PC plate installation	34	7 June	9 July
External and Internal Building Furnishing	31	30 June	29 July
Roof Furnishing	23	7 July	29 July
Mechanical & electrical, fire fighting, AC, water, Sewage systems	60	27 May	25 July
Landscape construction around the telescope maintenance building	45	10 June	23 July
Helium gas vessel and piping system	25	3 July	27 July
Miscellaneous & cleaning	10	20 July	31 July



3. Major Tasks accomplished in the construction over the past 1520 days

The table 2 shows what has been done in the various construction phases for the new building over the past 1520 days from Dec 2005 to the end of 2009:

Table 2. Tasks accomplished in the Construction of the Main Building

Tasks	Working Days	Start	Finish
Sign contract	1	2005/10/17	2005/10/17
Site preparation	60	2005/11/03	2006/01/01
Safety work	41	2006/01/02	2006/02/11
Pre-operations for construction	153	2006/06/01	2006/10/31
Evaluation for the hazardous working place	260	2005/11/18	2006/08/04
Foundation construction	434	2006/06/15	2007/08/22
Safety monitoring system	491	2006/08/08	2007/12/11
RC structure construction of underground floors	273	2007/02/20	2007/11/19
Steel structure construction	148	2007/07/31	2007/12/25
Tower crane disassembly	7	2008/07/06	2008/07/12
Scaffold construction	580	2008/01/26	2009/08/27
RC structure construction of ground floors	194	2007/09/01	2008/03/12
Water proof and heat insulation	232	2008/03/23	2008/11/09
Fire prevention coating	80	2008/01/01	2008/03/20
Curtain wall	690	2007/01/03	2008/11/22
Furnishing	613	2008/02/09	2009/10/13
Elevators	120	2008/09/10	2009/01/07
Landscape	582	2008/04/04	2009/11/06
Mechanical, electrical, water, AC, fire fighting and sewage systems	1424	2006/02/12	2009/11/5
Received the building use permit for the main building		2009/11/30	2009/11/30

