

# **National Synchrotron Light Source II**

## **Procurement Plan**

**March, 2008**

## Acronyms

AMS	Acquisition Management System
APP	Advanced Procurement Plan
BSA	Brookhaven Science Associates, LLC
CAM	Control Account Manager
DOE/BHSO	Department of Energy Brookhaven Site Office
HUB-Zone	Historically Underutilized Business Zone
IFB	Invitation for Bid
NSLS-II	National Synchrotron Light Source II
POM	Procurement Operations Manual
PPM	Procurement and Property Management Division
RFQ	Request for Quotation
RFP	Request for Proposal
SBMS	Standards Based Management System
SDB	Small Disadvantaged Business

## **NSLS-II Procurement Plan**

### **A. Introduction**

This procurement plan has been developed in accordance with DOE Order No. 413.3A dated 7/28/06, for providing procurement services to the National Synchrotron Light Source II (NSLS-II) Project during planning, construction, commissioning, and startup. NSLS-II procurement will operate under the Brookhaven Science Associates, LLC (BSA) prime contract with the Department of Energy using the same Contractor Purchasing System approval contained in Appendix G of the contract.

The Procurement and Property Management (PPM) Division is the organization responsible for purchasing supplies and services for BSA. To accomplish this objective, PPM has developed the Acquisition Management System (AMS), which is designed to provide customers with quality products and services in a timely manner at the lowest cost of ownership. PPM implements the AMS by using a variety of commercial practices that also comply with the DOE prime contract and statutory requirements. BSA procurement practices, embodied in the Standards Based Management System (SBMS) and the Procurement Operations Manual (POM), are designed to provide consistent application of standard terms and conditions approved by BSA's Legal Counsel, specific procurement guidelines, and the operating principles listed above. In addition to procurement professionals, PPM also has support staff to assist in implementing the guidelines. This support includes small business liaison, credit card program administrator, PeopleSoft system and data support, and quality oversight and systems design support. Acquisition authority under the prime contract had been given to the BSA Deputy Director of Operations, who has delegated authority to the PPM Division Manager. The PPM Division Manager has, in turn, delegated procurement authority to procurement personnel within the organization.

### **B. Responsibilities**

#### **1. Technical**

Responsibility for the technical definition of project procurements resides with the Control Account Managers (CAMs).

#### **2. Funds Authorization**

Authorization for purchase requisitions, stores requests, and other internal services will be given in accordance with BSA's signature authorization procedure.

#### **3. Procurement**

PPM has established a dedicated procurement group within the NSLS-II Project. This group has a dedicated Procurement Manager, matrixed from PPM, who is responsible for overseeing the procurement process for this \$700-\$900 million major system acquisition. His responsibilities include the development, implementation, and maintenance of the NSLS-II Project procurement strategy; advance procurement planning; and approving and directing specific procurement strategies. This authority includes hiring project procurement staff, assigning responsibilities and workload, and delegating his procurement authority to allow project procurement staff to sign documents that contractually bind BSA for the project.

This dedicated group will handle all project-specific procurements. The PPM central procurement group may handle routine small purchases and procurements, as needed. The project will utilize BSA's standard protocols for obtaining consumables and other commodities (e.g., e-Pro catalogs, inventory, etc.).

## **C. Procurement Plan**

### **1. Significant/Major Procurements**

Procurements over \$100,000 have been designated as "significant." Procurements over \$5M have been designated as "major." The project has identified several procurements which fall within these categories.

### **2. Procurement Schedule**

A schedule of procurement actions through FY 2012 is given in Attachment 1. This is an integral part of the project schedule, which will be updated continually as the project progresses. Procurements will be evaluated yearly as the project matures to combine like activities to leverage buying strategies.

### **3. Procurement Methods**

The design, some of the fabrication and assembly, and the installation, testing, and commissioning for the NSLS-II project will be largely performed by the BSA/NSLS-II scientific and technical staff. Much of the subcontracted work to be performed for NSLS-II consists of hardware fabrication and conventional facilities construction. Typically, each system or component will be procured using fixed-price contracts. Best-value competitive procurements will be employed to the maximum extent possible.

Many major procurements, such as magnets and vacuum chambers, will be "build-to-print" following BSA/NSLS-II drawings and specifications. Many ancillary components are readily available off the shelf. Source selection will be carried out in accordance with DOE-approved policies and procedures. Acquisition strategies will be chosen to obtain the best value based on the assessment of technical and costs risks on a case-by-case basis. For standard, build-to-print fabrications, and the purchase of off-the-shelf equipment for routine applications, available purchasing techniques include price competition among technically qualified suppliers. It is anticipated that, in most cases, NSLS-II Project needs will be met with selection by lowest price/technically acceptable evaluations or by best value.

BSA's procurement system has been reviewed and certified by the DOE Contracting Officer. BSA will have direct responsibility for oversight of all contracts required to execute this project, and it is not anticipated that DOE will need to directly place and/or administer any NSLS-II contract requirements.

### **4. Advance Planning**

Advance Procurement Plans (APPs) are BSA management planning tools to plan procurement activities with the control account managers in order to establish proper procurement methods, schedules, and procurement cycle times. APPs are required for all new procurement activities with a dollar value of \$100K or greater; these plans should be developed in August preceding the upcoming fiscal year requirements. The plans will be reviewed and approved by the Procurement

Manager, Division Director, and other personnel as required by the project, based on the dollar value. APPs will be initiated by project procurement personnel in consultation with the appropriate project control account manager. These plans will be developed yearly in order to plan procurement activities for the upcoming fiscal year.

The APP prepared for each significant or major item will include discussion of contract type; special contracting methods (e.g., “firm fixed-price,” “lowest-price technically acceptable source”); special clauses or deviations required; determination of best value usage; and lease or purchase decisions. APPs will identify critical procurement activities and will help to mitigate or avoid schedule conflicts and other procurement-related problems.

Planning will address the following topics:

- Justification of need
- Pre-solicitation requirements – Findings and Determination (contract type, terms, conditions)
- Required delivery schedule
- Estimate
- Source list
- Evaluation of award
- Basis of award
- Procurement schedule

To ensure adequate lead time, NSLS-II Project management will identify major procurements (\$5M or greater) during the design and construction phases. Procurement-specific Acquisition Plans will be developed and submitted to the Department of Energy’s Brookhaven Site Office (DOE/BHSO), for their concurrence. Each plan will contain the following information:

- Statement of work
- Identification of suppliers/market survey
- Cost estimate
- Funding constraints
- Contract type
- Evaluation strategy
- Government-furnished property

**Note:** The project management may consider developing procurement-specific acquisition plans based on critical path, complexity, lead time, or other factors rather than dollar value. These plans do not require concurrence from DOE/BHSO.

## **D. Risk Management**

Each procurement will be evaluated to determine the optimum amount of risk (cost, technical, and schedule), consistent with the work scope, that a contractor can be expected to bear.

### **1. Cost Risk**

Cost risk will be minimized through fixed-price awards made under negotiated competitive solicitations. Cost-type contracts will be used when the uncertainties involved in contract performance do not permit cost to be estimated with sufficient accuracy to use any type of fixed-price contract.

### **2. Technical Risks**

Source Evaluation Boards will be used to evaluate offerors' proposals with the goal of minimizing technical risk. Technical qualification criteria will be applied as appropriate in evaluating proposals. Technical risk will also be reduced by soliciting qualified sources who meet the minimum performance requirements stated within BSA's specifications. Finally, a responsibility check will be performed prior to award, which may include approval of proposed subcontractors at levels in excess of \$100,000, a review of financial resources of the company, and review of the credentials of proposed key personnel.

### **3. Schedule Risk**

Schedule risk will be minimized at all stages of the procurement process. Realistic advance planning will ensure that sufficient lead time is available for obtaining and evaluating proposals. During the evaluation process, the offerors' facilities and capabilities will be reviewed to ascertain that the selected offeror has the ability to perform on schedule. After award, performance will be closely monitored through required reporting, periodic reviews, and visits to the contractor's facility.

## **E. Source Selection**

### **1. Competition**

Source selection for all procurements will be performed in accordance with the PPM Procurement Operations Manual. It is anticipated that negotiated competitive procurement procedures will be used for all major procurement actions. Noncompetitive awards shall be adequately justified and approved by both the CAMs and the PPM Competition Advocate. DOE approval is required for awards greater than \$100K.

### **2. Statements of Work**

The detail of each Statement of Work will vary with the nature and complexity of the procurement. Functional or performance specifications will be used for procurement of supplies and services, to the extent practicable. Purchases, especially of similar off-the-shelf items, will be consolidated to reduce the number of orders handled and to obtain quantity discounts consistent with acceptable delivery.

### **3. Solicitation and Basis of Award**

Offerors will be solicited through a Request for Quotation (RFQ), Request for Proposals (RFP), or Invitation for Bid (IFB), as appropriate. The procurement personnel will be responsible for determining the type of solicitation to be used. The basis of award will be included in the solicitation document.

When technical evaluation criteria are used, they will relate directly to the specification and/or to the Statement of Work.

## F. Socio-Economic Programs

The NSLS-II Project procurement group will utilize the PPM Small Business Liaison for all small business requirements.

In light of the highly technical nature of the project and the limited number of small business concerns that will be eligible to participate in the major procurement actions, the project will develop its own small business goals and report to DOE/BHSO based on those goals. However, because the NSLS-II procurement group is part of PPM, PPM will report the combined small business data to the Small Business Administration and DOE Headquarters under the BSA Plan.

The project will provide small, small disadvantaged, and women-owned businesses the opportunity to participate in the competitive procurement process to the maximum practicable extent. Realistic goals will be set each year for the project based on the procurement plan. The goals for FY08 will be in accordance with the Laboratory in the categories of Small Business Concerns, Small Disadvantaged Business Concerns, and Women-Owned Business Concerns.

### Small Disadvantaged Business

A “small, disadvantaged business” (SDB) is a small business that is at least 51% owned by one or more socially and economically disadvantaged people or, in the case of any publicly owned business, at least 51% of the stock of which is owned by one or more disadvantaged people. The owner(s) must be U.S. citizens and must own, operate, and manage the business on a daily basis. The company must have been in business at least one year.

The owner(s) must have less than \$750,000 personal net worth at the time of application and during participation. To do business with BSA, a small disadvantaged business must be certified with the Small Business Administration. The following categories of people are automatically considered to be socially and/or economically disadvantaged:

- Black Americans
- Hispanic Americans
- Indian Tribes\_ – have at least 51% of their origins in any Indian tribe, band, nation, or other organized group of Indians, including an Alaska Native Corporation.
- Native Americans\_ – have at least 51% of their origin in American Indians, Eskimos, Aleuts, and native Hawaiians.
- Asian-Pacific Americans – have at least 51% of their origins in Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the U.S. Trust Territory of the Pacific Islands (Republic of Palau), the Northern Mariana Islands, Laos, Cambodia, Taiwan, Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Republic of the Marshall Islands, or the Federated States of Micronesia.
- Subcontinent Asian Americans – have at least 51% of their origins in India, Pakistan, Bangladesh, Sri Lanka, Bhutan, or Nepal.

The **8a Program** is a nine-year program for small disadvantaged businesses. (**Note:** 8a firms automatically qualify for SDB status.) Woman-owned businesses can qualify for this program IF they can prove they have been socially or economically disadvantaged in their industry.

### **Woman-Owned Small Business**

This is a small business that is at least 51% owned by one or more women (or, in the case of any publicly owned business, at least 51% of the stock of which is owned by one or more women). Furthermore, the owner(s) must be U.S. citizens; must own, operate and manage the business on a daily basis; and must have been in business at least one year.

### **HUB-Zone Small Business**

This is a small business that is located in an officially designated Historically Underutilized Business (HUB) zone. In addition, it must be owned and operated by one or more U.S. citizens, and at least 35% of its employees must reside in an HUB-Zone. To do business with BNL, an HUB-Zone company must be certified with the Small Business Administration.

### **Veteran-Owned Small Business**

This is a small business that is at least 51% owned by one or more veterans or, in the case of any publicly owned business, at least 51% of the stock of which is owned by one or more veterans.

### **Service-Disabled Veteran-Owned Small Business**

This designates a small business that is at least 51% owned, operated, and managed by one or more service-disabled veterans. In the case of any publicly owned business, at least 51% of the stock must be owned by one or more service-disabled veterans. The management and daily business operations must be controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran. A Service-disabled veteran is defined in 38 U.S.C. 101(2) with a disability that is service-connected.

## **G. Legal Review**

BSA's Legal Counsel will provide counsel on procurement matters as requested. The Legal Counsel will provide advice, direction, review, recommendations, and approval of procurements in accordance with the Procurement Operations Manual.

## **H. Make or Buy**

The NSLS-II Project has a process to review fabrication requirements and recommend whether to use in-house capabilities or buy the item from an outside supplier. The process seeks to:

- meet the NSLS-II Project mission: cost, design and schedule requirements effectively,
- comply with obligations to support small, small disadvantaged, and women-owned business enterprises, and
- efficiently use and maintain BSA's capabilities according to project objectives. The program applies to the fabrication of hardware and services. BSA will review affected items or services in light of in-house or outside manufacturing capabilities and other overall considerations of BSA and DOE objectives, taking into consideration schedule, design, target date and budget suitability of in-house and outside sources.

### I. Quality Assurance Requirements

BSA's established quality assurance program will be incorporated into the technical specification or procurement documentation requirements, to assure a high degree of quality in the product which BSA intends to purchase.

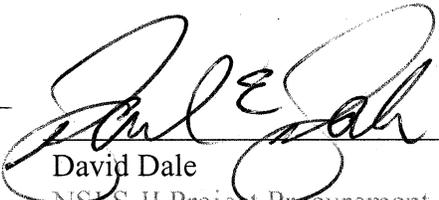
### J. Reporting Requirements

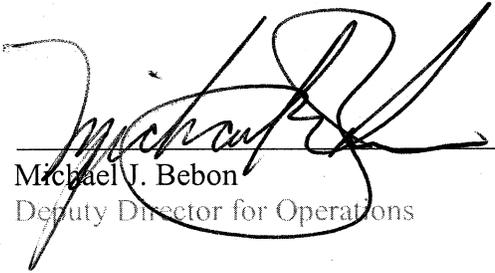
Purchase orders and contracts will include status reporting requirements commensurate with their value and complexity.

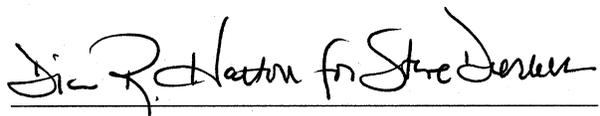
### K. Environment Safety and Health

The control account manager identifies and defines the materials or services required, including the essential quality characteristics, environment, safety, health, security, and other requirements. In doing so, she/he coordinates with other technical, quality, and ESSH&Q advisors as needed. With input from the buyer/contract specialist, they fully define the products and services to be obtained and recommend potential sources. The requirements are expressed as a statement of work or description of materials and services needed, including quality, safety, and security requirements. Significant and major procurements that require work to be performed on site will also be evaluated for safety incentives.

  
 \_\_\_\_\_ 12 March 08  
 Don Rawlings date  
 PPM Division Manager

  
 \_\_\_\_\_ 3/11/08  
 David Dale date  
 NSLS-II Project Procurement Manager

  
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 Michael J. Bebon date  
 Deputy Director for Operations

  
 \_\_\_\_\_ 3/11/08  
 Steven Dierker date  
 NSLS-II Project Director

**NSLS II FY08  
PROCUREMENT FORECAST**

**Accelerator Systems R & D**

<u>DESCRIPTION</u>	<u>APP</u>	<u>WBS</u>	<u>SOLICITATION</u>	<u>AWARD</u>	<u>FOREIGN</u>	<u>DOLLARS</u>	<u>CAM</u>	<u>STATUS</u>
Power Supply Reliability Study Components		1.02.01.11	5/08	9/08		\$200,554	Ganetis	
Power Supply Reliability Study Rack Cooling Sustum		1.02.01.11	5/08	9/08		\$36,008	Ganetis	

**Experimental Systems R & D**

Multilayer Deposition System		1.02.02.02	7/08	9/08		\$1,000,000	Hill	
Crystal fabrication equipment		1.02.02.07	4/08	TBD		TBD	Hill	
Chemical/Mechanical polisher		1.04.07.02	TBD	TBD		\$100,000	Hill	On Hold
Table top Diffractometer		1.04.07.02	TBD	TBD		\$150,000	Hill	On Hold
Diamond Rough Saw		1.04.07.02	2/08	4/08		\$91,800	Hill	awarded 11/1/07
Diamond Mill		1.04.07.02	TBD	TBD		\$35,000	Hill	On Hold
Lapping Machine		1.04.07.02	2/08	4/08		\$59,424	Hill	awarded 1/23/08

**Accelerator Fabrication Facilities (Vacuum Facility)**

Chemical Cleaning Facility Materials		1.03.08.01	4/08	6/08		\$50,000	Hseuh	
Vacuum Bakeout Station Materials		1.03.08.01	4/08	6/08		\$170,000	Hseuh	

**Magnet Facility Building 902**

Clean Room	7700000018	1.03.08.04	1/08	4/08		\$200,000	Skaritka	
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**Conventional Facilities**

Site Preparation	7700000007	1.05.03.02.01	8/08	10/08		\$1,000,000	Fallier	
Title III Services (HDR)		1.05.03	5/08	9/08		\$3,600,000	Fallier	
CM Construction Oversite(on hold)	7700000016	1.05.03	5/08	9/08		TBD	Fallier	scope TBD
Commissioning Contract	7700000010	1.05.03	3/08	5/08		\$1,078,000	Fallier	

**Storage Ring (SR)**

SR Prototype	7700000017	1.03.04.02.01	2/08	3/08		\$600,000	Skaritka	
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**NSLS II FY09  
PROCUREMENT FORECAST**

<u>DESCRIPTION</u>	<u>APP</u>	<u>WBS</u>	<u>SOLICITATION</u>	<u>AWARD</u>	<u>FOREIGN</u>	<u>DOLLARS</u>	<u>CAM</u>	<u>STATUS</u>
<b><u>Injection System (Linac Front End)</u></b>								
PED Materials		1.02.01.10	8/08	11/08		\$954,071	Rose	
<b><u>Storage Ring Magnet Sub Systems (SR)</u></b>								
Storage Ring Girder System		1.03.04.02.02	2/09	5/09	X	\$2,863,942	Sharma	
SR Magnet Hardware		1.03.04.02.03	2/09	5/09		\$505,620	Sharma	
SR Vacuum Chambers		1.03.04.03.01	1/09	6/09		\$14,608,544	Hseuh	
SR RF Power System		1.03.04.06.04	6/09	9/09	X	\$2,582,646	Rose	
SR Low Level RF		1.03.04.06.05	7/09	9/09		\$317,209	Rose	
SR RF Controls		1.03.05.03.03	7/09	10/09		\$62,696	Dalesio	
SR Timing System Controls		1.03.05.12.03	3/09	9/09		\$296,496	Dalesio	
SR Production Magnets		1.03.04.02.01	2/09	8/09	X	\$18,015,480	Skaritka	
<b><u>Conventional Construction</u></b>								
Ring Bldg	7700000004	1.05.03	10/08	2/09		\$190,976,000	Fallier	
Chilled Water Expansion	7700000009	1.05.03	10/08	3/09		\$14,976,000	Fallier	9,134,746
Electrical Substation		1.05.03	3/09	5/09		\$2,400,000	Fallier	
Chilled Water Piping		1.05.03	6/09	8/09		\$1,000,000	Fallier	
20 KVA Transformers		1.05.03	5/09	7/09		\$500,000	Fallier	
Chillers		1.05.03	5/09	7/09		\$1,200,000	Fallier	
Cooling Tower		1.05.03	5/09	7/09		\$600,000	Fallier	
<b><u>Magnet Development Lab</u></b>								
Flip Coil		1.02.01.03	1/09	3/09		\$212,664	Tanabe	
Hall Temp Probe		1.02.01.03	1/09	3/09		\$57,978	Tanabe	
Vacuum Pumping Station		1.02.01.03	1/09	3/09		\$29,089	Tanabe	
Clean Room 832		1.02.01.03	1/09	3/09		\$919,804	Tanabe	
Cold magnet measuring system		1.02.01.03	1/09	3/09		\$379,841	Tanabe	
GAP Separation System		1.02.01.03	1/09	3/09		\$280,435	Tanabe	
Magnet Surface Profiler		1.02.01.03	1/09	3/09		\$65,146	Tanabe	
Magnet Measuring System		1.02.01.03	1/09	3/09		\$420,403	Tanabe	
Insertion Device Control		1.02.01.03	1/09	3/09		\$204,620	Tanabe	
Controls Test Prototype		1.02.01.03	1/09	3/09		\$51,260	Tanabe	
Misc Lab Items		1.02.01.03	12/08	2/09		\$1,332,103	Tanabe	
Electronic Test Equipment		1.02.01.03	5/09	6/09		\$29,749	Tanabe	
In-Vacuum gap separation system		1.02.01.03	11/08	1/09		\$230,325	Tanabe	
<b><u>TOTAL DOLLARS</u></b>						<b>\$256,072,121</b>		

**NSLS II FY10  
PROCUREMENT FORECAST**

**Booster Ring Systems**

<u>DESCRIPTION</u>	<u>APP</u>	<u>WBS</u>	<u>SOLICITATION</u>	<u>AWARD</u>	<u>FOREIGN</u>	<u>DOLLARS</u>	<u>CAM</u>	<u>STATUS</u>
Linac		1.03.03.01.02	10/09	10/10	X	\$9,757,310	Rose	
Booster RF Mounting System		1.03.03.02.02.02	1/10	3/10		\$26,993	Mortazavi	
Booster Chamber		1.03.03.02.02.03	4/10	6/10		\$37,427	Hseuh	
Booster Pumps, Gauges & Valves		1.03.03.02.02.03	4/10	6/10		\$115,444	Hseuh	
Booster Low Level RF		1.03.03.02.02.05	7/10	9/10		\$117,738	Rose	
LBTL Booster Transport Lines		1.03.03.03.01	5/10	10/10		\$197,000	Shaftan	
LBTL Transport Magnets		1.03.03.03.01.01	3/10	6/10		\$199,941	Skaritka	
LBTL Linac to Booster Support System		1.03.03.03.01.02	5/10	9/10		\$56,092	Sharma	
LBTL Transport Vacuum Components		1.03.03.03.01.03	3/10	5/10		\$113,180	Hseuh	
Booster to Storage support system		1.03.03.03.02.02	10/10	12/10		\$82,552	Sharma	
LBTL Vacuum Chamber		1.03.03.03.01.03	3/10	5/10		\$93,276	Hseuh	
LBTL Instrumentation		1.03.03.03.01.05	4/10	9/10		\$191,585	Singh	
Booster to Storage Magnets		1.03.03.03.02.01	7/10	9/10		\$369,574	Skaritka	
Booster to Storage Pumps, Gauges & Valves		1.03.03.03.02.03	10/10	12/10		\$207,051	Hseuh	
Booster to Storage Vacuum Chamber		1.03.03.03.02.03	10/10	12/10		\$149,923	Hseuh	
IS Cabale Tray		1.03.03.04.02.02	8/10	9/10		\$61,120	Ganetis	
IS A/C Power Equipment		1.03.03.04.02.04	8/10	9/10		\$60,007	Ganetis	
Storage Ring Vacuum Valves		1.03.04.03.02	3/10	5/10		\$2,151,756	Hseuh	
SR Vacuum Pumps		1.03.04.03.03	12/09	6/10	X	\$7,951,406	Hseuh	
Undulator Front End		1.03.04.07.03	11/09	3/10		\$1,482,732	Sharma	
Dampning Wiggler Front End		1.03.04.07.04	7/10	12/10		\$1,285,724	Sharma	
EPU Front End		1.03.04.07.07	6/10	9/10		\$674,499	Sharma	
SR Vacuum Controls		1.03.05.01.03	1/10	4/10		\$54,248	Dalesio	
Insertion Device Controls		1.03.05.06	6/10	12/10		\$0	Dalesio	
SR, PPS Computer Controls		1.03.05.08.03	3/10	6/10		\$57,497	Dalesio	
New Magnetic Measuring Lab (insertion device)		1.03.08.02	9/09	2/10		\$111,117	Tanabe	

**Conventional Construction**

Integrated Controls & Communication  
Ring Bldg Standard Equipment

**Booster System**

Booster

**Storage Ring Beam Instrumentation**

Beam Position Monitors

\$839,502  
\$325,808

\$17,091,735

\$668,763

NSLS II FY10

PROCUREMENT FORECAST

<u>Storage Ring Magnet Sub Systems (SR)</u>	<u>APP</u>	<u>WBS</u>	<u>SOLICITATION</u>	<u>AWARD</u>	<u>FOREIGN</u>	<u>DOLLARS</u>	<u>CAM</u>	<u>STATUS</u>
SR RF Support System		1.03.04.06.02	5/10	9/10		\$48,387	Mortazavi	
SR Vacuum Systems		1.03.04.06.03	7/10	9/10	X	\$272,809	Hseuh	
SR EPS Computer Controls		1.03.05.09.03	9/09	12/09		\$11,463	Dalesio	
Storage Ring RF Cavities		1.03.04.06.01	2/09	10/09	X	\$2,378,425	Rose	

TOTAL DOLLARS \$47,242,084

NSLS II FY11

Procurement Forecast

	<u>APP</u>	<u>WBS</u>	<u>SOLICITATION</u>	<u>AWARD</u>	<u>FOREIGN</u>	<u>DOLLARS</u>	<u>CAM</u>	<u>STATUS</u>
Inelastic Enclosures		1.04.05.01.01	12/10	3/11		\$1,083,742	Yong	
Inelastic Utilities		1.04.05.01.03	12/10	4/11		\$119,670	Yong	
White Beam Inelastic		1.04.05.01.04	7/11	9/11		\$237,509	Yong	
High Heat Load Inelastic		1.04.05.01.05	4/11	9/11		\$896,636	Yong	
Enclosures BL2 Nano		1.04.05.02.01	12/10	3/11		\$1,421,352	Ken	
Utilities BL2 Nano		1.04.05.02.03	12/10	4/11		\$457,093	Ken	
White Beam BL2		1.04.05.02.04	4/11	9/11		\$240,716	Ken	
High Heat Load Optics BL2		1.04.05.02.05	4/11	9/11		\$1,610,032	Ken	
Enclosure Hard Coherent BL3		1.04.05.03.01	12/10	3/11		\$997,555	Berman	
Beam Transport BL3		1.04.05.03.02	11/10	1/11		\$315,054	Berman	
UtilitiesHard Coherent BL3		1.04.05.03.03	12/10	4/11		\$235,639	Berman	
White Beam BL3		1.04.05.03.04	4/11	9/11		\$670,007	Berman	
Conditioning Optics BL3		1.04.05.03.06	4/11	10/11		\$1,208,242	Ken	
Equipment Protector BL3		1.04.05.03.08	7/11	9/11		\$30,635	Ken	
Conditioning Optics Inelastic		1.04.05.01.06	4/11	10/11		\$1,841,713	Yong	
First Optic Enclosure BL4		1.04.05.04.01	10/10	2/11		\$145,784	chez-Hanke	
Utilities BL4		1.04.05.04.03	3/11	6/11		\$235,918	chez-Hanke	
Pink Beam apertures		1.04.05.04.04	5/11	8/11		\$169,909	chez-Hanke	
Mirror MO BL4		1.04.05.04.05	1/11	4/11		\$903,979	chez-Hanke	
Monochromatic BL4		1.04.05.04.06	1/11	4/11		\$1,278,006	chez-Hanke	
Exit Silt BL4		1.04.05.04.07	4/11	8/11		\$771,892	chez-Hanke	
Polarization BL4		1.04.05.04.08	4/11	8/11		\$152,982	chez-Hanke	
Branching Mirror BL4		1.04.05.04.09	1/11	4/11		\$433,047	chez-Hanke	
Refocusing Mirror BL4		1.04.05.04.10	1/11	5/11		\$2,361,266	chez-Hanke	
Equipment Protection BL4		1.04.05.04.12	7/11	9/11		\$84,135	chez-Hanke	
XAS Enclosure		1.04.05.05.01	12/10	3/11		\$1,194,444	Paul N.	
XAS Utilities		1.04.05.05.03	4/11	5/11		\$0	Paul N.	
Damping Wiggler WB1		1.04.05.05.04	4/11	9/11		\$399,521	Paul N.	
WB1 Equipmetn Protector		1.04.05.05.07	7/11	9/11		\$30,635	Paul N.	
Powder Diffraction Enclosures		1.04.05.06.01	12/10	3/11		\$1,381,256	James A.	
Powder Diffraction Utilities		1.04.05.06.03	12/10	4/11		\$232,152	James A.	
Powder Diffraction SWBC		1.04.05.06.04	4/11	9/11		\$238,108	James A.	
Powder Diffraction SBCO		1.04.05.06.05	4/11	10/11		\$809,010	James A.	
Powder Diffraction EPS		1.04.05.06.07	7/11	9/11		\$84,986	James A.	
Powder Diffraction High Heat Optics		1.04.05.06.13	6/11	10/11		\$1,102,930	James A.	
Beam Line Condition Optics		1.04.05.05.05	4/11	9/11		\$399,521	James A.	
Booster to Storage Vacuum Chamber		1.03.03.03.02.03	10/10	12/10		\$152,507	Hseuh	

NSLS II FY11

Procurement Forecast

<u>DESCRIPTION</u>	<u>APP</u>	<u>WBS</u>	<u>SOLICITATION</u>	<u>AWARD</u>	<u>FOREIGN</u>	<u>DOLLARS</u>	<u>CAM</u>	<u>STATUS</u>
Booster RF Power System		1.03.03.02.02.04	12/10	2/11		\$496,626	Rose	
Booster Transport Power Supplies (LBTL)		1.03.03.03.01.04	10/10	4/11		\$313,537	Ganetis	
Booster to Storage Power Supplies		1.03.03.03.02.04	3/11	9/11		\$362,754	Ganetis	
Booster to Storage Instrumentation		1.03.03.03.02.05	11/10	5/11		\$264,268	Singh	
Injection Equipment Enclosure		1.03.03.04.02.01	12/10	3/11		\$258,038	Ganetis	
Injection Cable Tray		1.03.03.04.02.02	8/10	11/11		\$60,265	Ganetis	
Injection A/C Power Connectors		1.03.03.04.02.03	12/10	2/11		\$333,858	Ganetis	
Injection special AC power equipment		1.03.03.04.02.04	8/10	10/10		\$59,140	Ganetis	
Injection Pulsed magnets		1.03.04.01.01	1/11	4/11	X	\$1,694,950	Skaritka	
Storage Ring BPM		1.03.04.05.01	10/10	1/11	X	\$3,175,018	Singh	
Photon BPM		1.03.04.05.02	8/10	10/10		\$287,905	Singh	
Storage Ring Current Monitors		1.03.04.05.03	8/10	11/10		\$97,366	Singh	
Pinhole Cameras		1.03.04.05.04	8/10	10/10		\$135,127	Singh	
Bunch Length Measuring		1.03.04.05.05	9/10	2/11		\$207,639	Singh	
Transverse Feedback		1.03.04.05.06	10/10	22/11		\$222,464	Singh	
Tune Measurement		1.03.04.05.07	8/10	10/10		\$85,373	Singh	
Emitance Monitors		1.03.04.05.08	10/10	2/11		\$469,831	Singh	
Storage Ring Flags		1.03.04.05.09	7/10	10/10		\$26,079	Singh	
Fill Pattern Monitors		1.03.04.05.11	8/10	10/10		\$40,200	Singh	
Diagnostics Visible Synch		1.03.04.05.12	8/10	10/10		\$24,832	Singh	
Storage Ring Scrapers		1.03.04.05.13	8/10	10/10		\$113,534	Singh	
Beam Loss Monitors		1.03.04.05.14	10/10	2/11		\$334,067	Singh	
Stability Monitor		1.03.04.05.15	8/10	10/10		\$41,490	Singh	
Storage Ring Equipment Enclosure		1.03.04.08.02.01	7/10	11/10		\$3,015,118	Ganetis	
Storage Ring Cable Tray		1.03.04.08.02.02	9/10	11/10		\$803,506	Ganetis	
Storage Ring A/C Power Connectors		1.03.04.08.02.03	9/10	11/10		\$845,430	Ganetis	
Storage Ring A/C Power Equipment		1.03.04.08.02.04	9/10	11/10		\$869,935	Ganetis	
Storage Ring Process Water		1.03.04.08.03.01	9/10	2/11		\$4,889,950	Beauman	
Storage Ring Compressed Gas		1.03.04.08.03.02	12/10	2/11		\$81,549	Beauman	
Storage Ring Diagnostics		1.03.05.04.03	7/10	11/10		\$434,159	Dalesio	
Storage Ring Power Supply Controls		1.03.05.02.03	8/10	11/10		\$1,005,650	Dalesio	
Conventional System Controls		1.03.05.05	2/11	4/11		\$149,325	Dalesio	
Linac Interlock		1.03.06.01.01	12/10	3/11		\$70,185	Buda	
Booster Interlock		1.03.06.01.02	1/11	4/11		\$82,946	Buda	
Accelerator Interlock		1.03.06.01.03	4/11	10/11		\$685,709	Buda	
Experimental Interlock		1.03.06.01.04	12/10	1/11		\$153,132	Buda	
Equipment Protector Interlock		1.03.06.02	10/10	4/11		\$305,802	Buda	
Local Shielding		1.03.06.04	12/10	5/11		\$685,185	Buda	

**NSLS II FY11**

**Procurement Forecast**

	<u>APP</u>	<u>WBS</u>	<u>SOLICITATION</u>	<u>AWARD</u>	<u>FOREIGN</u>	<u>DOLLARS</u>	<u>CAM STATUS</u>
SR Vacuum Monitoring		1.03.04.03.04	3/10	10/10	X	\$3,672,370	Hseuh
SR Multiple Power Supplies		1.03.04.04.02	3/10	10/10	X	\$4,976,264	Ganetis
SR Dipole Power Supplies		1.03.04.04.01	4/10	11/10		\$656,168	Ganetis
SR Power Supply Controls		1.03.05.02.03	11/10	1/11		\$1,005,651	Dalesio
SR Corrector Power Supplies		1.03.04.04.03	3/10	10/10	X	\$5,942,284	Ganetis
SR RF Cryogenics		1.03.04.06.06	10/09	10/10	X	\$4,818,745	Mortazavi
Undulator Front End		1.03.04.07.04	11/09	3/10		\$1,500,309	Sharma
						<b>\$69,681,316</b>	

**TOTAL DOLLARS**

**NSLS II FY12  
Procurement Forecast**

<u>DESCRIPTION</u>	<u>APP</u>	<u>WBS</u>	<u>SOLICITATION</u>	<u>AWARD</u>	<u>FOREIGN</u>	<u>DOLLARS</u>	<u>CAM STATUS</u>
Booster RF Cavity		1.03.03.02.02.01	8/11	12/11		\$89,448	Rose
Booster RF Cavity		1.03.03.03	8/11	12/11		\$188,357	Rose
Booster to Storage Transport Line		1.03.03.03.02	5/11	10/11		\$56,093	Shaftan
Injection Straight Vacuum		1.03.04.01.04	8/11	11/11		\$165,727	Hseuh
Landau Cavities		1.03.04.06.07	10/11	1/12	X	\$1,232,537	Rose
Accelerator Control Room Equipment		1.03.05.10	8/11	10/11		\$263,343	Dalesio
Local Shielding		1.03.06.04	12/11	5/12		\$676,500	Sharma
Dampng Wiggler		1.03.07.01	9/11	2/12	X	\$7,153,141	Tanabe
IVU		1.03.07.02	9/11	2/12	X	\$7,211,151	Tanabe
EPU		1.03.07.03	11/11	2/12	X	\$3,621,449	Tanabe
Conditioning Optics Inelastic		1.04.05.01.06	8/11	10/11		\$1,834,475	Yong
Beam Transport Inelastic		1.04.05.01.02	11/11	2/12		\$670,554	Yong
Personnel Safety Inelastic		1.04.05.01.07	12/11	2/12		\$76,089	Yong
Equipment Protector Inelastic		1.04.05.01.08	12/11	2/12		\$30,875	Yong
End Station 1 Inelastic		1.04.05.01.09	7/11	2/12		\$1,851,681	Yong
Beamline Controls Inelastic		1.04.05.01.11	2/12	9/12		\$552,381	Yong
Beam Transport Nano BL2		1.04.05.02.02	11/11	1/12		\$305,000	Ken
Conditioning Optics BL2		1.04.05.02.06	4/11	10/11		\$714,715	Ken
Personnel Safety BL2		1.04.05.02.07	12/11	2/12		\$80,275	Ken
Equipment Protector BL2		1.04.05.02.08	12/11	2/12		\$30,875	Ken
End Station BL2		1.04.05.02.09	7/11	1/12		\$4,123,378	Ken
Beamline controls		1.04.05.02.11	2/12	6/12		\$480,602	Ken
Satellite Building Nano		1.04.05.02.14	3/11	5/11		\$1,057,020	Ken
Personnel Safety BL3		1.04.05.03.07	12/11	2/12		\$117,325	Berman
End Station 1 BL3		1.04.05.03.09	7/11	2/12		\$3,217,230	Berman
BL and Vacuum BL4		1.04.05.04.02	2/12	6/12		\$37,050	Sanchez-Hanke
Personnel Safety BL4		1.04.05.04.11	12/11	1/12		\$43,225	Sanchez-Hanke
End Station 1 BL4		1.04.05.04.13	7/11	1/12		\$1,139,200	Sanchez-Hanke
Beamline Controls BL4		1.04.05.04.15	2/12	9/12		\$119,300	Sanchez-Hanke
XAS Beam Support		1.04.05.05.02	11/11	1/12		\$353,599	Paul
XAS Personnel Safety		1.04.05.05.06	12/11	2/12		\$76,089	Paul
XAS End Station 1		1.04.05.05.08	7/11	1/12		\$589,129	Paul
XAS End Station 2		1.04.05.05.09	10/11	3/12		\$1,323,111	Paul

**NSLS II FY12**

**Procurement Forecast**

	<u>APP</u>	<u>WBS</u>	<u>SOLICITAION</u>	<u>AWARD</u>	<u>FOREIGN</u>	<u>DOLLARS</u>	<u>CAM STATUS</u>
XAS Standard Local controls		1.04.05.05.10	2/12	9/12		\$134,945	Paul N.
WB1 High Heat Load Optics		1.04.05.05.13	6/11	10/11		\$2,020,345	Paul N.
Powder Diffraction Beam Transport		1.04.05.06.02	11/11	1/12		\$403,508	James
Powder Diffraction Personnel Safety		1.04.05.06.06	12/11	2/12		\$76,089	James
Powder Diffraction End Station 1		1.04.05.06.08	7/11	1/12		\$2,137,078	James
Powder Diffraction Standard Local Controls		1.04.05.06.10	2/12	9/12		\$478,050	James
Powder Diffraction High Heated Optics		1.04.05.06.13	10/11	11/12		\$1,643,560	James

**TOTAL DOLLARS**

**\$46,374,499**