

HEX Beamline Procurement Management Plan

Reference document for the HEX PMP.

Review and update quarterly. Written 7-June-2017 for advance meeting with PPM.
 Reviewed: AJB, 7-October-2017. Dates updated to reflect P6 (delay to project start).
 Reviewed: AJB, 23-March-2018. Minor changes to dates to reflect P6 schedule.

Item	Scheduled date for contract placement	WBS	Budgeted Procurement Value	Supplier(s)
Large RFP type procurements				
Laue monochromator	Oct 2019		\$700,000	BL comps suppliers
Mirror system	Oct 2019		\$600,000	BL comps suppliers
Non-optics components	Oct 2019		\$2,000,000	BL comps suppliers
Special white beam shutters	Feb 2020		\$450,000	BL BTP suppliers
G-station detectors	Oct 2020		\$110,000	PCO-edge
G-station tables	Oct 2020		\$100,000	ADC
G-station robot	Oct 2020		\$260,000	Square-1
G-station DEI equipment	Oct 2020		\$380,000	??
Furniture and office equipment	Sept 2020		\$60,000	Std local supplier
Hutches	Nov 2018		\$1,915,000	GPS, Caratelli
LN2 distribution system	Apr 2020		\$125,000	??
Superconducting wiggler	Sept 2019		\$1,200,000	
Superconducting wiggler controls	Mar 2019		\$100,000	
Satellite building construction	Mar 2019		\$3,190,000	Local contractor
Smaller standard procurements – multiple suppliers.				
Network and computer hardware	Aug 2020		\$172,000	Std local supplier
Motor controller hardware	Aug 2020	Two WBSs	\$150,000 + \$73,000	Std local supplier
EPS hardware	Jan 2021		\$63,000	Std local supplier
PPS hardware	Feb 2020		\$122,000	Std local supplier
Electrical utilities hardware	Oct 2019		\$80,000	Std local supplier
Mechanical utilities hardware	Oct 2019		\$169,000	Std local supplier
Equipment racks	Oct 2019		\$50,000	Rittal
Vacuum hardware	July 2020		\$44,000	MKS and Gamma

Metric for PPM: Between Nov 2018 and Jan 2021 we have 14 large procurements (approx 1 every 2 months).

Procurement process:

- Normal BNL / DOE procurement rules to be followed.
- All procurements to be competitively bid RFP, firm fixed price (FFP) contracts against a BNL spec /SOW.
- Some beamline optics RFPs may be combined (may reduce the bidders list slightly, but makes the management of interfaces a lot easier).
- Aim to combine HEX procurements with other beamlines IF AT ALL POSSIBLE – huge savings in overheads.

Risk Management

- Evaluation criteria – investigated adding clauses concerning Schedule/Cost/technical risks. **IMPORTANT!**
- The only “NEW” equipment not procured before at NSLS-II is the SCW. Most experienced supplier is BINP. Preparation work needed.
- Supplier visits budgeted for all procurements over ~\$200k. Include PDR and FAT visits.
- Contract management to include regular teleconferences with suppliers.