NATIONAL HEALTH AND HOSPITALS NETWORK - NATIONAL PARTNERSHIP AGREEMENT ON IMPROVING PUBLIC HOSPITAL SERVICES

PROJECT IMPLEMENTATION PLAN
for
SURGICAL EQUIPMENT

SCHEDULE B - ELECTIVE SURGERY

Project number:	3
Hospital/Location (not area health services generally)	Statewide: Purchase of additional surgical equipment to improve surgical throughput Centre for Healthcare Improvement Queensland Health
Project Description	Purchase of additional surgical equipment to improve surgical throughput in Queensland public hospitals, including: • Surgical simulation package for the Clinical Skills Development Service - $2.8 million • Hybrid theatre equipment for the Princess Alexandra Hospital - $3.3 million – • Equipment for a new Day Procedure Unit at the PAH -$2.5 million • Improved Anaesthetic Capacity in Rural Facilities - $2.5 million • Day Surgery Equipment at Nambour hospital - $2.4 million • Equipment to support ultrasound guided endoscopic, endobronchial and transrectal procedures on the Gold Coast - $0.59 million • Endoscopy Equipment on the Sunshine Coast - $0.58 million • Equipment for Orthopaedic Services at the Royal Brisbane and Women's Hospital - $0.3 million • Surgical equipment to enable the commissioning of an eighth operating theatre at Cairns Hospital - $0.3 million • Improved operating room information management systems – $1.3 million Initiatives outlined within this Project Implementation Plan will contribute to increasing internal capacity, improving operating room efficiency and contribute to reductions in waiting times for elective surgery. This initiative will contribute to Queensland meeting NPA indicators in relation to elective surgery performance.
Relationship with other Commonwealth or state funded activities	This initiative will be a continuation of elective surgery initiatives undertaken through the Commonwealth Government's Elective Surgery Waiting List Reduction Plan.
Expected improvement as a result of this project	<u>Surgical simulation (training) package for Clinical Skills Development Service (CSDS) ($2.8 Million)</u> - This equipment will improve the capability of surgical, procedural, and team-based simulation training and education throughout Queensland Health. The surgical simulation package comprises

	the latest technological advances in virtual reality and human-like simulators and virtual server technology. This enables modelling and practice of real-life events, improving the education of surgical trainees. In particular, developing self-directed e-learning packages in colonoscopy, laparoscopy, and other procedures is essential for surgical trainees. The CSDS does not currently have sufficient simulation equipment to support any additional courses or new Pocket Simulation Centres. Pocket Simulation Centres are crucial to improve systems and patient flow strategies relating to surgical intervention, diagnosis and treatment. These improvements minimise medical errors, leading to shorter hospital stays and ultimately increased surgical capacity. Purchase of Hybrid theatre equipment for the Princess Alexandra Hospital (PAH) ($3.3 Million) – This equipment will support best practice in provision of vascular surgery resulting in more patients being treated with improved efficiency at the PAH. The hybrid theatre will enable multidisciplinary surgical teams to increase efficiency and utilisation of available theatre time with better safety and patient outcomes. Purchase of Equipment for a new Day Procedure Unit at the PAH ($2.5 Million) - The new day procedure unit a PAH will enable additional surgical activity to occur, as well as free up surgical time in the main theatre suite. The purchase of additional surgical equipment will operationalise the new day procedures rooms. Improving Anaesthetic Capacity in Rural Facilities ($2.5 Million) – Anaesthetic equipment is needed to ensure that surgical services being provided in these rural settings can be provided in a safe and efficient manner. It has been identified that anaesthetic equipment upgrades are required at Warwick, Stanthorpe, Goondiwindi, St George, Charleville, Roma, Chinchilla, Dalby, Kingaroy, Caloundra, Gympie, Maryborough, Gladstone, Emerald, Longreach, Biloela and Theodore hospitals. Anaesthetic equipment requirements in rural hospitals include, but are not limited to: anaesthetic machines, monitors, trolleys, video laryngoscopes, syringes and epidural pumps. Equipment requirements vary in individual hospitals. A detailed list of equipment can be provided. Improving Day Surgery Capacity at Nambour hospital ($2.4 Million) – Purchase of additional surgical equipment to support increased capacity within the Procedural Suite at Nambour Hospital. The procedural suite provides the following services - Catheter Lab, Vascular Surgery Procedural Suite, and Endoscopy Procedural Suite. This equipment will support additional surgical and procedural capacity within the Sunshine Coast Health Service District and promote improved access and waiting times within the District.

	Purchasing of equipment to support ultrasound guided endoscopic, endobronchial and transrectal procedures on the Gold Coast ($590,000) – The purchase of this equipment will enable the provision of less invasive surgical procedures and provide enhanced diagnostic accuracy for the staging and treatment planning of oesophageal, gastrointestinal, pancreatic and lung cancer. It is associated with less adverse effects and is generally a safer procedure. Ultimately, the purchase of this equipment will provide additional surgical capacity through a reduced length of stay for the cohort of patients requiring these procedures. Ultrasound guided Endoscopic, endobronchial and transrectal procedures are carried out as day procedures under local anaesthesia at considerably less cost. **Better Access to Endoscopic Services on the Sunshine Coast ($580,000)** - Purchase of endoscopy equipment (gastroscopes and colonoscopes) at Caloundra and Gympie hospital's will assist the Sunshine Coast Health Service District to meet growing demand for endoscopy services. There is currently insufficient endoscopy equipment available for recent increase in medical specialist staff levels. **Improved Access to Orthopaedic Services at the Royal Brisbane and Women's Hospital ($305,000) -** Purchase of orthopaedic equipment, including surgical instruments sets and orthopaedic drills to enable increased throughput and turnover of elective cases within existing theatre suite. Current re-processing times relating to sterilisation requirements is limiting patient throughput within this speciality. **Funding surgical equipment to enable the commissioning of the eighth operating theatre at Cairns Hospitals ($310,000) -** The purchase of theatre equipment including operating tables, accessories such as lights, monitors and equipment trays will enable the commissioning of the eighth operating theatre at Cairns hospital and will significantly enhance surgical capacity across all surgical specialties at Cairns Hospital. **Improved operating room information management systems – ($1.3 Million)** – Capital cost (e.g. PCs, cabling etc) associated with the implementation of ORMIS 7.0 into 24 hospitals across the State will support improved and standardised management of operating theatres across the state; lead to improved benchmarking of operating room performance and ultimately lead to improved efficiency and effectiveness of operating theatre's across the State.
Estimated Cost	$16.6 million in 2011-12
Estimated Start Date	July 2011.
Estimated Completion date	July 2012.

FINANCIAL STATEMENT

Project No.	Project Description	Estimated cost
1	Surgical simulation (training) package for Clinical Skills Development Service (CSDS)	$2,800,000
2	Purchase of Hybrid theatre equipment for the Princess Alexandra Hospital (PAH)	$3,300,000
3	Establishment of a Day Procedure Unit at the PAH	$2,500,000
4	Improving Anaesthetic Capacity in Rural Facilities	$2,500,000
5	Improving Day Surgery Capacity at Nambour hospital	$2,400,000
6	Purchasing of equipment to support ultrasound guided endoscopic, endobronchial and transrectal procedures on the Gold Coast	$590,000
7	Better Access to Endoscopic Services on the Sunshine Coast	$580,000
8	Improved Access to Orthopaedic Services at the Royal Brisbane and Women's Hospital	$305,000
9	Funding surgical equipment to enable the commissioning of the eighth operating theatre at Cairns Hospitals	$310,000
10	Improved operating room information management systems	$1,300,000
Total		$16,585,000