

POLICY JUSTIFICATIONJapan - SM-2 Block IIIB STANDARD Missiles

The Government of Japan has requested a possible sale for 24 SM-2 Block IIIB Tactical STANDARD missiles with MK 13 MOD 0 canisters; 24 AN/DKT-71A telemeters and conversion kits; containers; spare and repair parts; supply support; U.S. Government and contractor technical assistance and other related elements of logistics support. The estimated cost is \$40 million.

Japan is one of the major political and economic powers in East Asia and the Western Pacific and a key ally of the United States in ensuring the peace and stability of this region. The U.S. Government shares bases and facilities in Japan. It is vital to the U.S. national interest to assist Japan to develop and maintain a strong and ready self-defense capability, which will contribute to an acceptable military balance in the area. This proposed sale is consistent with these U.S. objectives and with the 1960 Treaty of Mutual Cooperation and Security.

The SM-2 missiles will be used on ships of the Japan Maritime Self Defense Force fleet and will provide enhanced capabilities in providing defense of critical sea-lanes of communication. Japan has already integrated the SM-2 Block IIIB into its ship combat systems. It maintains two Intermediate-Level Maintenance Depots capable of maintaining and supporting the SM-2. Japan will have no difficulty absorbing these additional missiles.

The prime contractor is Raytheon Company in Tucson, Arizona and the MK 13 Mod 0 canister's prime contractor is BAE Systems of Minneapolis, Minnesota. There are no offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will not require the assignment of any additional U.S. Government or contractor representatives to Japan.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

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**DEPARTMENT OF DEFENSE****Office of the Secretary**

[Transmittal Nos. 07-33]

**36b(1) Arms Sales Notification**

**AGENCY:** Department of Defense, Defense Security Cooperation Agency.

**ACTION:** Notice.

**SUMMARY:** The Department of Defense is publishing the unclassified text of a section 36(b)(1) arms sales notification. This is published to fulfill the requirements of section 155 of Public Law 104-164 dated 21 July 1996.

**FOR FURTHER INFORMATION CONTACT:** Ms. B. English, DSCA/DBO/CFM, (703) 601-3740.

The following is a copy of a letter to the Speaker of the House of Representatives, Transmittals 07-33 with attached transmittal, policy justification, and Sensitivity of Technology.

Dated: May 29, 2007.

**C.R. Choate,**

*Alternate OSD Federal Register Liaison Officer, Department of Defense.*

BILLING CODE 5001-06-M



## DEFENSE SECURITY COOPERATION AGENCY

WASHINGTON, DC 20301-2800

MAY 25 2007  
In reply refer to:  
I-07/007218-CFM

The Honorable Nancy Pelosi  
Speaker of the House of Representatives  
Washington, DC 20515-6501

Dear Madam Speaker:

Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 07-33, concerning the Department of the Air Force's proposed Letter(s) of Offer and Acceptance to India for defense articles and services estimated to cost \$1,059 million. After this letter is delivered to your office, we plan to issue a press statement to notify the public of this proposed sale.

Sincerely,

  
JEFFREY B. KOHLER  
LEUTENANT GENERAL, USAF  
DIRECTOR

Enclosures:

1. Transmittal
2. Policy Justification
3. Sensitivity of Technology

Same ltr to:

House

Committee on Foreign Affairs  
Committee on Armed Services  
Committee on Appropriations

Senate

Committee on Foreign Relations  
Committee on Armed Services  
Committee on Appropriations

## Transmittal No. 07-33

**Notice of Proposed Issuance of Letter of Offer  
Pursuant to Section 36(b)(1)  
of the Arms Export Control Act, as amended**

**(i) Prospective Purchaser: India****(ii) Total Estimated Value:**

Major Defense Equipment*	\$ 522 million
Other	\$ <u>537 million</u>
<b>TOTAL</b>	<b>\$1,059 million</b>

**(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:**

- 6 Lockheed Martin C-130J United States Air Force (USAF) baseline aircraft including USAF baseline equipment
- 4 Rolls Royce AE 2100D3 spare engines
- 8 AAR-47 Missile Warning Systems (two of them spares)
- 8 AN/ALR-56M Advanced Radar Warning Receivers (two of them spares)
- 8 AN/ALE-47 Counter-Measures Dispensing Systems (two of them spares)
- 8 AAQ-22 Star SAFIRE III Special Operations Suites (two of them spares)
- 8 ALQ-211 Suite of Integrated Radio Frequency Countermeasures (two of them spares)
- 2 spare AN/ARC-210 Single Channel Ground and Airborne Radio Systems (SINCGARS)
- 8 spare Secure Voice Very High Frequency/Ultra High Frequency Radios
- 4 spare Secure Voice High Frequency Radios
- 3 spare AN/AAR-222 SINCGARS and Key Gen (KV-10) Systems
- 1 KIV-119 Non-standard Communication/COMSEC equipment
- 2 ARC-210 Non-standard Communication/COMSEC equipment

\* as defined in Section 47(6) of the Arms Export Control Act.

Also included are spare and repair parts, configurations updates, communications security equipment and radios, integration studies, support equipment, publications and technical documentation, technical services, personnel training and training equipment, foreign liaison office support, Field Service Representatives' services, U.S. Government and contractor engineering and logistics personnel services, and other related elements of logistics support.

- (iv) Military Department: Air Force (SAA)
- (v) Prior Related Cases, if any: none
- (vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: none
- (vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Annex attached
- (viii) Date Report Delivered to Congress: MAY 25 2007

**POLICY JUSTIFICATION****India - C-130J Aircraft**

The Government of India has requested a possible sale of

- 6 Lockheed Martin C-130J United States Air Force (USAF) baseline aircraft including USAF baseline equipment
- 4 Rolls Royce AE 2100D3 spare engines
- 8 AAR-47 Missile Warning Systems (two of them spares)
- 8 AN/ALR-56M Advanced Radar Warning Receivers (two of them spares)
- 8 AN/ALE-47 Counter-Measures Dispensing Systems (two of them spares)
- 8 AAQ-22 Star SAFIRE III Special Operations Suites (two of them spares)
- 8 ALQ-211 Suite of Integrated Radio Frequency Countermeasures (two of them spares)
- 2 spare AN/ARC-210 Single Channel Ground and Airborne Radio Systems (SINCGARS)
- 8 spare Secure Voice Very High Frequency/Ultra High Frequency Radios
- 4 spare Secure Voice High Frequency Radios
- 3 spare AN/AAR-222 SINCGARS and Key Gen (KV-10) Systems
- 1 KIV-119 Non-standard Communication/COMSEC equipment
- 2 ARC-210 Non-standard Communication/COMSEC equipment

Also included are spare and repair parts, configuration updates, communications security equipment and radios, integration studies, support equipment, publications and technical documentation, technical services, personnel training and training equipment, foreign liaison office support, Field Service Representatives' services, U.S. Government and contractor engineering and logistics personnel services, and other related elements of logistics support. The estimated cost is \$1,059 million.

This proposed sale will contribute to the foreign policy and national security of the United States by helping to improve the security of an important partner and to strengthen the U.S.-India strategic relationship, which continues to be an important force for political stability, peace, and economic progress in South Asia.

India and the United States are forging an important strategic partnership. The proposed sale will enhance the foreign policy and national security objectives of the U.S. by providing the Indian Government with a credible special operations airlift capability that will deter aggression in the region, provide humanitarian airlift capability and ensure interoperability with U.S. forces in coalition operations.

**The proposed sale of this equipment and support will not affect the basic military balance in the region.**

**The principal contractors will be: Lockheed Martin Aeronautics Company in Fort Worth, Texas and Rolls-Royce Corporation in Indianapolis, Indiana. Offset agreements associated with this proposed sale are expected, but at this time the specific offset agreements are undetermined and will be defined in negotiations between the purchaser and contractors.**

**Implementation of this proposed sale may require the assignment of 10 each U.S. Government and contractor representatives in India for a periodic of up to two weeks.**

**There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.**

## Transmittal No. 07-33

Notice of Proposed Issuance of Letter of Offer  
Pursuant to Section 36(b)(1)  
of the Arms Export Control Act

Annex  
Item No. vii

(vii) Sensitivity of Technology:

1. The C-130 Hercules aircraft primarily performs the tactical portion of the airlift mission. The aircraft is capable of operating from rough, dirt strips and is the prime transport for air dropping troops and equipment into hostile areas. The C-130 operates throughout the U.S. Air Force fulfilling a wide range of operational missions in both peace and war. The C-130J improvements over the C-130E include improved maximum speed, climb time, cruising altitude and range. The C-130J has 55 feet of cargo compartment length - an additional 15 feet over the original "short" aircraft.

2. The AN/ALE-47 Counter-Measures Dispensing System (CMDS) is an integrated, threat-adaptive, software-programmable dispensing system capable of dispensing chaff, flares, and active radio frequency expendables. The threats countered by the CMDS include radar-directed anti-aircraft artillery (AAA), radar command-guided missiles, radar homing guided missiles, and infrared (IR) guided missiles. The system is internally mounted and may be operated as a stand-alone system or may be integrated with other on-board early warning and avionics systems. The AN/ALE-47 uses threat data received over the aircraft interfaces to assess the threat situation and to determine a response. Expendable routines tailored to the immediate aircraft and threat environment may be dispensed using one of four operational modes. Hardware is Unclassified. Technical data and documentation to be provided is Unclassified.

3. The AN/AAR-47 Missile Warning System is a small, lightweight, passive, electro-optic, threat warning device used to detect surface-to-air missiles fired at helicopters and low-flying fixed-wing aircraft and automatically provide countermeasures, as well as audio and visual-sector warning messages to the aircrew. The basic system consists of multiple Optical Sensor Converter (OSC) units, a Computer Processor (CP) and a Control Indicator (CI). The set of OSC units, normally four, is mounted on the aircraft exterior to provide omni-directional protection. The OSC detects the rocket plume of missiles and sends appropriate signals to the CP for processing. The CP analyzes the data from each OSC and automatically deploys the appropriate countermeasures. The CP also contains

comprehensive built-in test circuitry. The control indicator displays the incoming direction of the threat, so that the pilot can take appropriate action. Hardware is Unclassified. Technical data and documentation to be provided is Unclassified.

4. The AN/ALR-56M Advanced Radar Warning Receiver continuously detects and intercepts radio frequency signals in certain frequency ranges and analyzes and separates threat signals from non-threat signals. It contributes to full-dimensional protection by providing individual aircraft probability of survival through improved aircrew situational awareness of the radar-guided threat environment. The ALR-56M is designed to provide improved performance in a dense signal environment and improved detection of modern threats signals. Hardware is Unclassified. Technical data and documentation to be provided is Unclassified.

5. The AN/ALQ-211 Suite of Integrated Radio Frequency Countermeasures (SIRFC) is a fully integrated electronic combat system that provides advanced radar warning, situational awareness and electronic countermeasures (ECM) capabilities. SIRFC will provide defensive, offensive, active, and passive ECM to ensure protection against Active Pulse, Mono-Pulse radar, and Continuous Wave radars. The AN/ALQ-211 is internally mounted, consisting of the Advanced Threat Warning Receiver and the Advanced Threat Radar Jammer. Hardware is considered Unclassified. Technical data and documentation to be provided are considered Unclassified.

6. The AN/AAQ-22 Star SAFIRE III is a gyro-stabilized, multi-spectral Electro-Optical/Infrared (EO/IR) system configured to operate simultaneously in multiple bands including the visible, near-IR and mid-wave IR bands. The system consists of an externally mounted turret sensor unit and internally mounted central electronics unit and system control unit. Images will be displayed in the aircraft real-time, and recorded for subsequent ground analysis. Hardware is considered Unclassified. Technical data and documentation to be provided are considered Unclassified.

7. If a technologically advanced adversary were to obtain knowledge of the specific hardware or software in this proposed sale, the information could be used to develop countermeasures that might reduce system effectiveness or be used in the development of a system with similar or advanced capabilities.