

India

20 Financial Institutions currently invest or make available an estimated USD\$ 5,827.70 million in nuclear weapons companies.

Introduction

This document contains country specific information from the 2013 Don't Bank on the Bomb report. It identifies which financial institutions have significant financing relationships with one or more of the 27 nuclear weapons producers. There is also a brief summary of the nuclear weapons related work of each of the identified producers. This paper provides details about the nature and value of specific transactions and holdings of the financial institutions.

The financial institutions identified include banks, pension funds, sovereign wealth funds, insurance companies and asset managers. They have provided various types of financial services to nuclear weapon companies. The most important are loans, investment banking and asset management.

All sources of financing provided since 1 January 2010 to the companies listed were analysed from annual reports, financial databases and other sources. The financial institutions which are most significantly involved in the financing of one or more nuclear weapon companies are shown here. See the full report for both a summary and full description of all financial institutions which are found to have the most significant financing relationships with one or more of the 27 selected nuclear weapon companies, by means of participating in bank loans, by underwriting share or bond issues and/or by share- or bondholdings (above a threshold of 0.5% of all outstanding shares or bonds).

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Hall of Shame

This section contains the results of our research into which financial institutions are financing and/or investing in the 27 nuclear weapon companies. The analysis was performed according to the methodology and thresholds defined in the methodology explanations below. Each section provides the following information for each financial institution:

- The types of financial relations which the financial institution has with one or more nuclear weapon companies. The relations are grouped by loans, investment banking and asset management. Financial activities are listed alphabetically by nuclear weapons company for each category.
- The name of the receiving company, the amount, the date and (if known) the purpose for each financial relation. For loans and bonds the maturity date is given, as well as the interest rate.

Axis Bank

Axis Bank currently has an estimated USD\$ 45.00 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In September 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 2,500 million (US\$ 45 million) with an interest rate of 10.170% due March 2014. The proceeds were used for general corporate purposes. Axis Bank was the sole bookrunner of the issue, underwriting the whole amount of US\$ 45 million.ⁱ

Darashaw

Darashaw currently has an estimated USD\$ 14.70 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In December 2012, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 51 million with an interest rate of 9.800% due December 2022. The proceeds were used for working capital and general corporate purposes. Darashaw participated in the syndicate of five banks, underwriting an estimated amount of US\$ 10.1 million.ⁱⁱ

In December 2012, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 250 million (US\$ 4.6 million) with an interest rate of 9.750% due December 2022. The proceeds were used for general corporate purposes. Darashaw was the sole bookrunner of the issue, underwriting the whole amount of US\$ 4.6 million.ⁱⁱⁱ

Edelweiss Financial Services

Edelweiss Financial Services currently has an estimated USD\$ 22.20 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In May 2011, L&T Finance, a subsidiary of **Larsen & Toubro**, issued floating rate bonds with a value of INR 1,000 million (US\$ 22.2 million). The bonds are due May 2014. The proceeds were used for general corporate purposes. Edelweiss Capital was the sole bookrunner of the issue, underwriting the whole amount of US\$ 22.2 million.^{iv}

Equirus Capital

Equirus Capital currently has an estimated USD\$ 46.60 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In July 2011, L&T Finance Holdings a subsidiary of **Larsen & Toubro**, issued shares through an Initial Public Offering (IPO), raising INR 12,360.7 million (US\$ 279.7 million). The proceeds were used for paying fees & expenses, investing in other companies, capital expenditures, reducing indebtedness and general corporate purposes. Equirus Capital participated in the syndicate of six banks, underwriting an estimated amount of US\$ 46.6 million.^v

General Insurance Corporation of India

General Insurance Corporation of India currently has an estimated USD\$ 317.19 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 1 provides an overview of the nuclear weapon companies in which General Insurance Corporation of India owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 1 Shareholdings of General Insurance Corporation of India

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Larsen & Toubro	India	2.05	317.19	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

HDFC Bank

HFDC Bank currently has an estimated USD\$ 56.80 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In April 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 26 million with an interest rate of 9.800% due April 2014. The proceeds were used for working capital and general corporate purposes. HDFC Bank participated in the syndicate of two banks, underwriting an estimated amount of US\$ 12.9 million.^{vi}

In April 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,250 million (US\$ 24.3 million) with an interest rate of 9.800% due April 2014. The proceeds were used for general corporate purposes. HDFC Bank was the sole bookrunner of the issue, underwriting the whole amount of US\$ 24.3 million.^{vii}

In October 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,000 million (US\$ 19 million). The issue was split in two tranches: a INR 500 million (US\$ 9.5 million) 9.750% tranche due October 2014 and a INR 500 million (US\$ 9.5 million) zero-coupon tranche due November 2013. The proceeds were used for general corporate purposes. HDFC Bank participated in the two bank syndicate, underwriting an estimated amount of US\$ 9.5 million.^{viii}

In December 2012, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 51 million with an interest rate of 9.800% due December 2022. The proceeds were used for working capital and general corporate purposes. HDFC Bank participated in the syndicate of five banks, underwriting an estimated amount of US\$ 10.1 million.^{ix}

Housing Development Finance Corporation

Housing Development Finance Corporation currently has an estimated USD\$ 286.88 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 2 provides an overview of the nuclear weapon companies in which Housing Development Finance Corporation owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 2 Shareholdings of Housing Development Finance Corporation

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Bharat Electronics	India	2.83	52.40	31-May-2013
Larsen & Toubro	India	1.32	200.89	31-May-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 3 provides an overview of the nuclear weapon companies in which Housing Development Finance Corporation owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 3 Bondholdings of Housing Development Finance Corporation

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Larsen & Toubro	India	1.29	33.59	31-May-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

ICICI Bank

ICICI Bank currently has an estimated USD\$ 172.29 million invested or available for the nuclear weapons producers identified in this report.

Loans

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. ICICI Bank was part of the syndicate of 37 banks, participating with an estimated amount of US\$ 40.7 million.^x

Investment banking

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. ICICI Bank participated in the syndicate of 31 banks, underwriting an amount of US\$ 7.5 million.^{xi}

In June 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 4,000 million (US\$ 71.8 million). The issue was split in two tranches: a INR 2,000 million (US\$ 35.9 million) 10.149% tranche due June 2014 and a INR 2,000 million (US\$ 35.9 million) 10.150% tranche due June 2014. The proceeds were used for working capital and general corporate purposes. ICICI Bank participated in the four bank syndicate, underwriting an estimated amount of US\$ 18 million.^{xii}

In December 2012, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 51 million with an interest rate of 9.800% due December 2022. The proceeds were used for working capital and general corporate purposes. ICICI Bank participated in the syndicate of five banks, underwriting an estimated amount of US\$ 10.1 million.^{xiii}

Asset management

Table 4 provides an overview of the nuclear weapon companies in which ICICI Bank owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 4 Bondholdings of ICICI Bank

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Larsen & Toubro	India	5.25	136.69	31-May-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Infrastructure Development Finance Company

Infrastructure Development Finance Company currently has an estimated USD\$ 9.10 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In May 2013, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 36 million with an interest rate of 8.680% due May 2015. The proceeds were used for general corporate purposes. Infrastructure Development Finance Company (IDFC) participated in the syndicate of four banks, underwriting an estimated amount of US\$ 9.1 million.^{xiv}

JM Financial

JM Financial currently has an estimated USD\$ 46.60 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In February 2010, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 5,000 million (US\$ 107.8 million). The issue was split in two tranches: a INR 2,500 million (US\$ 53.9 million) 8.500% tranche due March 2013 and a INR 2,500 million (US\$ 53.9 million) 8.400% tranche due March 2013. JM Financial participated in the three bank syndicate, underwriting an estimated amount of US\$ 35.9 million.^{xv}

In July 2011, L&T Finance Holdings a subsidiary of **Larsen & Toubro**, issued shares through an Initial Public Offering (IPO), raising INR 12,360.7 million (US\$ 279.7 million). The proceeds were used for paying fees & expenses, investing in other companies, capital expenditures, reducing indebtedness and general corporate purposes. JM Financial participated in the syndicate of six banks, underwriting an estimated amount of US\$ 46.6 million.^{xvi}

Kotak Mahindra Group

Kotak Mahindra Group currently has an estimated USD\$ 89.08 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In February 2010, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 5,000 million (US\$ 107.8 million). The issue was split in two tranches: a INR 2,500 million (US\$ 53.9 million) 8.500% tranche due March 2013 and a INR 2,500 million (US\$ 53.9 million) 8.400% tranche due March 2013. Kotak Mahindra Bank participated in the three bank syndicate, underwriting an estimated amount of US\$ 35.9 million.^{xvii}

In May 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 500 million (US\$ 9.2 million) with an interest rate of 11.700% due May 2019. The proceeds were used for working capital and general corporate purposes. Kotak Mahindra Bank was the sole bookrunner of the issue, underwriting the whole amount of US\$ 9.2 million.^{xviii}

In November 2012, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,250 million (US\$ 22.9 million). The issue was split in two tranches: a INR 625 million (US\$ 11.4 million) 10.070% tranche due May 2014 and a INR 625 million (US\$ 11.4 million) 10.014% tranche due March 2014. The proceeds were used for general corporate purposes. Kotak Mahindra Finance, a subsidiary of Kotak Mahindra Bank, participated in the two bank syndicate, underwriting an estimated amount of US\$ 11.4 million.^{xix}

Asset management

Table 5 provides an overview of the nuclear weapon companies in which Kotak Mahindra Group owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 5 Bondholdings of Kotak Mahindra Group

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Larsen & Toubro	India	1.25	32.58	31-May-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Life Insurance Corporation of India

Life Insurance Corporation of India currently has an estimated USD\$ 2,697.34 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 6 provides an overview of the nuclear weapon companies in which Life Insurance Corporation of India owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 6 Shareholdings of Life Insurance Corporation of India

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Bharat Electronics	India	8.32	141.69	31-Mar-2013
Larsen & Toubro	India	16.48	2,555.65	31-Mar-2013 until 31-May-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

LKP Finance

LKP Finance currently has an estimated USD\$ 48.90 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In June 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 4,000 million (US\$ 71.8 million). The issue was split in two tranches: a INR 2,000 million (US\$ 35.9 million) 10.149% tranche due June 2014 and a INR 2,000 million (US\$ 35.9 million) 10.150% tranche due June 2014. The proceeds were used for working capital and general corporate purposes. LKP Shares and Securities, a subsidiary of LKP Finance, participated in the four bank syndicate, underwriting an estimated amount of US\$ 18 million.^{xx}

In July 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 13 million with an interest rate of 9.970% due July 2014. The proceeds were used for working capital and general corporate purposes. LKP Shares and Securities, a subsidiary of LKP Finance, participated in the syndicate of three banks, underwriting an estimated amount of US\$ 4.2 million.^{xxi}

In October 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,000 million (US\$ 18.6 million). The issue was split in two tranches: a INR 500 million (US\$ 9.3 million) 9.410% tranche due April 2014 and a INR 500 million (US\$ 9.3 million) 9.480% tranche due October 2014. The proceeds were used for general corporate purposes. LKP Shares and Securities, a subsidiary of LKP Finance, participated in the three bank syndicate, underwriting an estimated amount of US\$ 6.2 million.^{xxii}

In November 2012, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,250 million (US\$ 22.9 million). The issue was split in two tranches: a INR 625 million (US\$ 11.4 million) 10.070% tranche due May 2014 and a INR 625 million (US\$ 11.4 million) 10.014% tranche due March 2014. The proceeds were used for general corporate purposes. LKP Shares and Securities, a subsidiary of LKP Finance, participated in the two bank syndicate, underwriting an estimated amount of US\$ 11.4 million.^{xxiii}

In May 2013, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 36 million with an interest rate of 8.680% due May 2015. The proceeds were used for general corporate purposes. LKP Shares and Securities, a subsidiary of LKP Finance, participated in the syndicate of four banks, underwriting an estimated amount of US\$ 9.1 million.^{xxiv}

Mata Securities India

Mata Securities India currently has an estimated USD\$ 9.80 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In December 2011, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,500 million (US\$ 29.4 million). The issue was split in five tranches: a INR 300 million (US\$ 5.9 million) 10.250% tranche due November 2014, two INR 300 million (US\$ 5.9 million) 10.150% tranches due June 2013 and two INR 300 million (US\$ 5.9 million) 10.150% tranches due May 2013. The proceeds were used for general corporate purposes. Mata Securities India participated in the three bank syndicate, underwriting an estimated amount of US\$ 9.8 million.^{xxv}

SPA Group

SPA Group currently has an estimated USD\$ 9.10 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In May 2013, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 36 million with an interest rate of 8.680% due May 2015. The proceeds were used for general corporate purposes. SPA Capital Advisors, a subsidiary of SPA Group, participated in the syndicate of four banks, underwriting an estimated amount of US\$ 9.1 million.^{xxvi}

State Bank of India

State Bank of India currently has an estimated USD\$ 249.60 million invested or available for the nuclear weapons producers identified in this report.

Loans

In June 2013, **Aecom** entered into a US\$ 750 million five-year term loan at a base rate of LIBOR+150.000bps, a second amendment to an existing credit agreement from 2010. The proceeds

were destined for capital expenditures, to repay all obligations owing under the existing credit agreement, and for other general corporate purposes. State Bank of India was part of the 24 bank syndicate and participated with an estimated US\$ 20 million.^{xxvii}

Asset management

Table 7 provides an overview of the nuclear weapon companies in which State Bank of India owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 7 Shareholdings of State Bank of India

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Larsen & Toubro	India	1.49	229.60	31-Mar-2013 until 31-May-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

The New India Assurance Co.

The New India Assurance Co. currently has an estimated USD\$ 172.18 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 8 provides an overview of the nuclear weapon companies in which The New India Assurance Co. owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 8 Shareholdings of The New India Assurance Co.

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Larsen & Toubro	India	1.11	172.18	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Trust Investment Advisors

Trust Investment Advisors currently has an estimated USD\$ 139.60 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In December 2011, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 4,595 million (US\$ 85.7 million). The issue was split in four tranches: a INR 1,630 million (US\$ 30.4 million) 10.150% tranche due December 2013, a INR 2,415 million (US\$ 45 million) 10.150% tranche due December 2013, a INR 250 million (US\$ 4.7 million) 10.040% tranche due June 2013 and a INR 300 million (US\$ 5.6 million) 10.040% tranche due June 2013. The proceeds were used for general corporate purposes. Trust Investment Advisors participated in the three bank syndicate, underwriting an estimated amount of US\$ 28.6 million.^{xxviii}

In April 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 26 million with an interest rate of 9.800% due April 2014. The proceeds were used for working capital and general corporate purposes. Trust Investment Advisors participated in the syndicate of two banks, underwriting an estimated amount of US\$ 12.9 million.^{xxix}

In July 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 13 million with an interest rate of 9.970% due July 2014. The proceeds were used for working capital and general corporate purposes. Trust Investment Advisors participated in the syndicate of three banks, underwriting an estimated amount of US\$ 4.2 million.^{xxx}

In December 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 250 million (US\$ 4.6 million) with an interest rate of 9.450% due December 2015. The proceeds were used for general corporate purposes. Trust Investment Advisors was the sole bookrunner of the issue, underwriting the whole amount of US\$ 4.6 million.^{xxxvi}

In December 2012, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 51 million with an interest rate of 9.800% due December 2022. The proceeds were used for working capital and general corporate purposes. Trust Investment Advisors participated in the syndicate of five banks, underwriting an estimated amount of US\$ 10.1 million.^{xxxvii}

In January 2013, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 250 million (US\$ 4.5 million) with an interest rate of 9.350% due July 2014. The proceeds were used for general corporate purposes. Trust Investment Advisors was the sole bookrunner of the issue, underwriting the whole amount of US\$ 4.5 million.^{xxxviii}

In March 2013, L&T Fincorp, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 250 million (US\$ 4.6 million) with an interest rate of 9.710% due March 2015. The proceeds were used for general corporate purposes. Trust Investment Advisors was the sole bookrunner of the issue, underwriting the whole amount of US\$ 4.6 million.^{xxxix}

In June 2013, L&T Fincorp, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 250 million (US\$ 4.2 million) with an interest rate of 8.700% due June 2015. The proceeds were used for general corporate purposes. Trust Investment Advisors was the sole bookrunner of the issue, underwriting the whole amount of US\$ 4.2 million.^{xxxix}

In June 2013, L&T Fincorp, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,500 million (US\$ 24.7 million) with an interest rate of 8.700% due June 2015. The proceeds were used for general corporate purposes. Trust Investment Advisors was the sole bookrunner of the issue, underwriting the whole amount of US\$ 24.7 million.^{xxxvi}

In June 2013, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 2,500 million (US\$ 41.2 million) with an interest rate of 8.680% due June 2015. The proceeds were used for general corporate purposes. Trust Investment Advisors was the sole bookrunner of the issue, underwriting the whole amount of US\$ 41.2 million.^{xxxvii}

UTI Asset Management

UTI Asset Management currently has an estimated USD\$ 1,295.64 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 9 provides an overview of the nuclear weapon companies in which UTI Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 9 Shareholdings of UTI Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Bharat Electronics	India	1.17	21.63	31-May-2013
Larsen & Toubro	India	8.21	1,274.01	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

VIEL

VIEL currently has an estimated USD\$ 99.10 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In December 2011, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 4,595 million (US\$ 85.7 million). The issue was split in four tranches: a INR 1,630 million (US\$ 30.4 million) 10.150% tranche due December 2013, a INR 2,415 million (US\$ 45 million) 10.150% tranche due December 2013, a INR 250 million (US\$ 4.7 million) 10.040% tranche due June 2013 and a INR 300 million (US\$ 5.6 million) 10.040% tranche due June 2013. The proceeds were used for general corporate purposes. Derivium Tradition Securities, a subsidiary of VIEL, participated in the three bank syndicate, underwriting an estimated amount of US\$ 28.6 million.^{xxxviii}

In December 2011, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,500 million (US\$ 29.4 million). The issue was split in five tranches: a INR 300 million (US\$ 5.9 million) 10.250% tranche due November 2014, two INR 300 million (US\$ 5.9 million) 10.150% tranches due June 2013 and two INR 300 million (US\$ 5.9 million) 10.150% tranches due May 2013. The proceeds were used for general corporate purposes. Derivium Capital & Securities, a subsidiary of VIEL, participated in the three bank syndicate, underwriting an estimated amount of US\$ 9.8 million.^{xxxix}

In March 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,020 million (US\$ 19.9 million). The issue was split in five tranches: a INR 204 million (US\$ 4 million) 9.847% tranche due March 2014, and four INR 204 million (US\$ 4 million) tranches due April 2014 with different interest rates: 9.828%, 9.839%, 9.842% and 9.828%. The proceeds were used for general corporate purposes. Derivium Tradition Securities, a subsidiary of VIEL, was the sole bookrunner of the issue, underwriting the whole amount of US\$ 19.9 million.^{xi}

In June 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 4,000 million (US\$ 71.8 million). The issue was split in two tranches: a INR 2,000 million (US\$ 35.9 million) 10.149% tranche due June 2014 and a INR 2,000 million (US\$ 35.9 million) 10.150% tranche due June 2014. The proceeds were used for working capital and general corporate purposes. Derivium Tradition Securities, a subsidiary of VIEL, participated in the four bank syndicate, underwriting an estimated amount of US\$ 18 million.^{xii}

In July 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 13 million with an interest rate of 9.970% due July 2014. The proceeds were used for working capital and general corporate purposes. Derivium Tradition Securities, a subsidiary of VIEL, participated in the syndicate of three banks, underwriting an estimated amount of US\$ 4.2 million.^{xlii}

In October 2012, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,000 million (US\$ 19 million). The issue was split in two tranches: a INR 500 million (US\$ 9.5 million) 9.750% tranche due October 2014 and a INR 500 million (US\$ 9.5 million) zero-coupon tranche due November 2013. The proceeds were used for general corporate purposes. Derivium Tradition Securities, a subsidiary of VIEL, participated in the two bank syndicate, underwriting an estimated amount of US\$ 9.5 million.^{xliii}

In December 2012, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 1,240 million (US\$ 22.6 million) with an interest rate of 9.780% due June 2013. The proceeds were used for general corporate purposes. Derivium Tradition Securities, a subsidiary of VIEL, was the sole bookrunner of the issue, underwriting the whole amount of US\$ 22.6 million.^{xliv}

In May 2013, L&T Finance, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of US\$ 36 million with an interest rate of 8.680% due May 2015. The proceeds were used for general corporate purposes. Derivium Tradition Securities, a subsidiary of VIEL, participated in the syndicate of four banks, underwriting an estimated amount of US\$ 9.1 million.^{xlv}

Hall of Fame and Runners-up

To identify financial institutions with a policy on nuclear weapons, we researched a variety of sources: NGO reports, screening-agency information, financial institutions' reports and websites, information

from campaigners worldwide and other public sources. Based on these, a list of financial institutions was compiled which could possibly have a specific nuclear weapons policy. **This is not a comprehensive list.** Websites and other publications of these financial institutions were researched to check their nuclear weapon policy. In addition, each of the Hall of Fame institutions were contacted before this report was published to confirm their institution description and to clarify any outstanding questions on their policies or investments.

The financial institutions for which a nuclear weapons policy was actually found, were grouped in two categories. Financial institutions with a clear and comprehensive nuclear weapons exclusion policy are included in the "Hall of Fame", while financial institutions whose nuclear weapons policy is less strict or clear are included in the "Runners-up" category. To be included in the Hall of Fame, the nuclear weapons policy of the financial institution must meet the following criteria:

- The financial institution has published its policy and/or a summary of it;
- The policy excludes investments in nuclear weapon companies (withdrawing past investments and avoiding future investments)
- The policy has an 'all-in' comprehensive scope:
 - no exceptions for any types of nuclear weapon companies
 - no exceptions for any types of activities by nuclear weapon companies
 - no exceptions for any type of financing or investment by the financial institution

Financial institutions whose nuclear weapon policy does not meet all of the above criteria are included in the "Runners-up" category.

No financial institutions were identified with a clear and comprehensive nuclear weapons exclusion policy.

Methodology

Which financial institutions are involved in the financing of the selected nuclear weapon companies was researched by using annual reports, stock exchange filings and other publications of the companies concerned, archives of trade magazines, local newspapers and the financial press as well as specialized financial databases (Thomson ONE, Bloomberg). Used resources are clearly mentioned.

If the amounts per financial institution were known, these amounts were used. If the amounts were unknown, an estimate was used. The estimates are based on the following rules of thumb:

- In the case of loans (corporate loans or revolving credit facilities), 40% of the total amount is committed by bookrunners and 60% by other participants of the syndicate. If, however, the amount of bookrunners is (almost) equal to, or higher than, the amount of participants, the reverse is used: 60% for the bookrunners and 40% for the arrangers. So if there are for example 5 bookrunners and 4 participants and the amount of the loan is € 100, the estimate will be that the bookrunners commit 60% (€ 12 each) and the participants 40% (€ 10 each). The amount provided by bookrunners is *always* higher than the amount provided by participants;
- In the case of share- and bond issuances, 75% of the total amount is committed by bookrunners and 25% by other participants of the syndicate. The amount provided by bookrunners should *always* be higher than the amount provided by participants.
- In the case of share- and bondholdings, the amounts are always known, so no estimate was needed.

All forms of financing meeting the specified criteria are identified, providing the following information for each form of financing:

- Name of the company receiving financing;
- Type of financing (loan, guarantee, share issuance, bond issuance, share ownership, bond ownership, other);

- Total amount;
- Date;
- Purpose (if known);
- For loans and bonds: Maturity and interest rate;
- Name and country of origin of the financial institutions involved;
- Amounts provided by each financial institution.

A full overview of all financial institutions involved in financing the 27 selected nuclear weapons companies is provided in a separate spreadsheet available upon request. In this report, we have focussed on the financial institutions which are found to have the most significant financing relationships with one or more of the 27 selected nuclear weapon companies. To select these financial institutions, the following criteria were used:

- All financial institutions involved in loans and underwriting deals for one or more of the 27 companies since 1 January 2010;
- All financial institutions which own at least 0.5% of the outstanding shares of at least one of the 27 companies.

Details on the loans and underwriting they were involved in since early 2010 and the shareholdings and bondholdings they own or manage (when above 0.5% of the outstanding shares or bonds) in relation to the 27 selected companies, are reported by financial institution.

Definitions

The following definitions are used in this report:

- **Financial institutions:** banks, pension funds, asset managers, insurance companies and other financial institutions from any country in the world;
- **Substantive involvement in financing:** financial institutions can be involved in financing nuclear weapon companies by providing corporate loans, project finance or working capital facilities; by underwriting share and bond issuances; and by (managing) investments in shares and bonds of these companies.
- All loans and underwriting deals since 1 January 2010 are considered to be of substantive importance. Also loans which have been closed before that date but have not yet matured at the time of writing are included.
- Share- and bond holdings at the most recent filing date are considered to be substantive if they cross the threshold of 0.5% of the company's outstanding shares or bonds.
- **Nuclear weapon companies:** all companies involved in producing or maintaining nuclear weapons or significant, specific components thereof. Which share this activity constitutes of the company's turnover is not deemed relevant;

Nuclear Weapons Producers

Aecom (United States)

Aecom provides professional technical and management support services and along with Babcock & Wilcox, Northrop Grumman and CH2M Hill manages the Nevada National Security Site (NNSS), previously known as the Nevada Test Site, a key fixture in the US nuclear weapons infrastructure.

Alliant Techsystems (United States)

Alliant Techsystems (ATK) produces rocket propulsion systems for Trident II submarine launched ballistic missiles. ATK was also responsible for refurbishing the Minuteman III intercontinental

ballistic missiles to keep them operational until at least 2030.

Babcock & Wilcox (United States)

Babcock & Wilcox and its subsidiaries manage and operate several US nuclear weapons facilities including the Y-12 National Security Complex, Savannah River Site, Kansas City Plant, Los Alamos National Laboratory and Sandia National Laboratories. It also manages and operates the Pantex plant of the National Nuclear Security Administration where nuclear warhead modernisation takes place.

Babcock International (United Kingdom)

Babcock International is involved in the long-term technical engineering support and will provide the launch system for a new class of submarines equipped with nuclear missiles for the UK Royal Navy. It is also involved in the maintenance of the four Vanguard-class submarines of the British navy, each of which carries 16 Trident nuclear weapons.

BAE Systems (United Kingdom)

BAE Systems is involved in the development of a new class of nuclear-armed submarine for the United Kingdom to replace the Vanguard class. It was also part of a joint venture that produced nuclear missiles for the French air force.

Bechtel (United States)

Bechtel manages the Los Alamos and Lawrence Livermore national laboratories in the United States, which research, design and develop nuclear weapons, and monitor the "safety and reliability" of the entire US nuclear weapons stockpile as well as the Y-12 National Security Complex where nuclear weapons are produced and refurbished.

Bharat Electronics (India)

Bharat Electronics is involved in the development of the Akash, a mid-range surface-to-air nuclear-capable missile system developed by India's state-owned Defence Research and Development Organisation (DRDO).

Boeing (United States)

Boeing is involved in the maintenance of the Minuteman III nuclear intercontinental ballistic missiles in the US arsenal. It is responsible for guidance, flight controls, secure codes, weapons systems testing and engineering. Boeing also produces the B-52 Stratofortress, which is a long-range, strategic heavy bomber capable of dropping or launching nuclear cruise missiles.

CH2M Hill (United States)

CH2M Hill, together with Aecom, Babcock & Wilcox and Northrop Grumman, is a joint venture partner in National Security Technologies (NSTec) that manages the Nevada National Security Site (NNSS), previously known as the Nevada Test Site, a key fixture in the US nuclear weapons infrastructure.

EADS (The Netherlands)

The European Aeronautic Defence and Space Company, or EADS, is a Dutch company that produces and maintains submarine-launched nuclear missiles for the French navy, and is part of a joint venture that built nuclear missiles for the French air force.

Fluor (United States)

Fluor is the lead partner in Savannah River Nuclear Solutions (SRNS), responsible for site management and operation, environmental management, management of the nuclear arsenal, the removal of excess nuclear materials, and environmental

services. The Tritium Extraction Facility at the Savannah River Site is the only source of new tritium for the US nuclear stockpile.

GenCorp (United States)

GenCorp is involved in the design, development and production of land- and sea-based nuclear ballistic missile systems for the United States. It is currently producing propulsion systems for Minuteman III and D5 Trident nuclear missiles.

General Dynamics (United States)

General Dynamics provides maintenance, engineering and technical support for US nuclear-armed submarines. It built the Ohio-class submarines for the US navy, many of which are equipped with Trident nuclear-tipped missiles.

Honeywell International (United States)

Honeywell International produces approximately 85 per cent of the non-nuclear components for US nuclear weapons, as well as tritium production at the Savannah River Site. It is involved in simulated nuclear testing and the life-extension programme for the US navy's Trident II nuclear missiles.

Huntington Ingalls Industries (United States)

Huntington Ingalls Industries (HII) designs, constructs and maintains nuclear and non-nuclear ships for the US Navy and Coast Guard. It is also involved in for site management and operation, environmental management, management of the nuclear arsenal, the removal of excess nuclear materials, environmental services, and tritium production at the Savannah River Site.

Jacobs Engineering (United States)

Jacobs Engineering Group owns a one-third share in the joint venture AWE-ML, the company that manages the UK Atomic Weapons Establishment, which designs, manufactures and maintains the nuclear warheads for the United Kingdom's submarine-launched intercontinental ballistic missiles.

Larsen & Toubro (India)

Larsen & Toubro is involved in designing and building the Advanced Technology Vessel, the future nuclear-armed submarine of the Indian navy. It is also responsible for developing the launcher system for the nuclear-capable surface-to-air Akash missile system

Lockheed Martin (United States)

Lockheed Martin is involved in the production and maintenance of nuclear weapons for both the United States and United Kingdom. It is responsible for the construction of submarine-launched Trident II D5 nuclear missiles.

Northrop Grumman (United States)

Northrop Grumman Corporation is responsible for the production and maintenance of the Minuteman

III nuclear Intercontinental Ballistic Missiles (ICBM). It is also the managing partner of NSTec, the consortium that maintains the Nevada National Security Site (NNSS), previously known as Nevada Test Site.

Rockwell Collins (United States)

Rockwell Collins is involved in the Minuteman Modernization Program Upgrade. The company was selected to improve the satellite communications capacity of the Minuteman Launch Control Centers.

Rolls-Royce (United Kingdom)

Rolls-Royce is part of a joint venture in the United Kingdom to develop Successor, a new class of nuclear-armed submarine. It is also involved in the maintenance of the existing fleet of Vanguard-class nuclear-armed submarines.

Safran (France)

Safran is part of a joint venture to build M51 submarine-launched nuclear missiles for the French navy, which each deliver multiple warheads. Its subsidiaries Snecma and Sagem provide the propulsion and navigation systems for these missiles.

SAIC (United States)

Science Applications International Corporation (SAIC) supports the development and deployment of production technologies for materials, production, purchasing, and inspection and testing of replacement parts used in nuclear weapons and ballistic missiles, and for joint test assemblies.

Serco (United Kingdom)

Serco owns a one-third share in the joint venture AWE-ML, which runs the British Atomic Weapons Establishment. It is responsible for manufacturing and maintaining the nuclear warheads for the country's submarine fleet.

Thales (France)

Thales is part of a joint venture to build the new M51 submarine-launched nuclear missiles for the French navy, which each deliver multiple warheads. EADS's subsidiary Astrium is the lead contractor, whereas Thales is a main subcontractor.

ThyssenKrupp (Germany)

ThyssenKrupp's division ThyssenKrupp Marine Systems (TKMS) is building the Dolphin submarines for the Israeli army. Construction is taking place in Germany, according to Israeli design specifications, hosting Israeli-developed command, control and combat systems including, according to various media reports, land-attack and cruise missiles capable of carrying nuclear warheads

URS (United States)

URS is a fully integrated engineering, construction and technical services organization responsible for managing the Los Alamos and Lawrence Livermore National Laboratories for the US. For both labs, URS is responsible for managing the labs' nuclear and other technically complex operations.

References

- ⁱ Thomson ONE Banker, "Tearsheet 2451711101", *Thomson ONE Banker* (www.thomsonone.com), 03 September 2012.
- ⁱⁱ Thomson ONE Banker, "Tearsheet 2487367101", *Thomson ONE Banker* (www.thomsonone.com), 14 December 2012.
- ⁱⁱⁱ Thomson ONE Banker, "Tearsheet 2478996101", *Thomson ONE Banker* (www.thomsonone.com), 12 December 2012.
- ^{iv} Thomson ONE Banker, "Tearsheet 2318071101", *Thomson ONE Banker* (www.thomsonone.com), 30 May 2011; Bloomberg Database, "Corporates by ticker", Bloomberg Database, viewed November 2011.
- ^v Thomson ONE Banker, "Tearsheet 2224426009", *Thomson ONE Banker* (www.thomsonone.com), 30 July 2011.
- ^{vi} Thomson ONE Banker, "Tearsheet 2410566101", *Thomson ONE Banker* (www.thomsonone.com), 27 April 2012.
- ^{vii} Thomson ONE Banker, "Tearsheet 2410593101", *Thomson ONE Banker* (www.thomsonone.com), 17 April 2012.
- ^{viii} Thomson ONE Banker, "Tearsheet 2466294101 and 2466295101", *Thomson ONE Banker* (www.thomsonone.com), 08 October 2012.
- ^{ix} Thomson ONE Banker, "Tearsheet 2487367101", *Thomson ONE Banker* (www.thomsonone.com), 14 December 2012.

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- x Thomson ONE Banker, "Tearsheet 2645490115", *Thomson ONE Banker* (www.thomsonone.com), 12 November 2010; Bloomberg Database, "Loan finder", Bloomberg Database, viewed November 2011; The Boeing Company, "364-Day Credit Agreement", The Boeing Company, 12 November 2010.
- xi Thomson ONE Banker, "Tearsheets 2332822001 and 2332945001", *Thomson ONE Banker* (www.thomsonone.com), 28 July 2011; Bloomberg Database, "Corporates by ticker", Bloomberg Database, viewed November 2011.
- xii Thomson ONE Banker, "Tearsheet 2426294101 and 2422953101", *Thomson ONE Banker* (www.thomsonone.com), 14 June 2012.
- xiii Thomson ONE Banker, "Tearsheet 2487367101", *Thomson ONE Banker* (www.thomsonone.com), 14 December 2012.
- xiv Thomson ONE Banker, "Tearsheet 2531086101 and 2531087101", *Thomson ONE Banker* (www.thomsonone.com), 17 May 2013.
- xv Thomson ONE Banker, "Tearsheet 2154650101", *Thomson ONE Banker* (www.thomsonone.com), 9 February 2010; Bloomberg Database, "Corporates by ticker", Bloomberg Database, viewed November 2011; L&T Finance, "Draft Prospectus", L&T Finance, 25 January 2010.
- xvi Thomson ONE Banker, "Tearsheet 2224426009", *Thomson ONE Banker* (www.thomsonone.com), 30 July 2011.
- xvii Thomson ONE Banker, "Tearsheet 2154650101", *Thomson ONE Banker* (www.thomsonone.com), 9 February 2010; Bloomberg Database, "Corporates by ticker", Bloomberg Database, viewed November 2011; L&T Finance, "Draft Prospectus", L&T Finance, 25 January 2010.
- xviii Thomson ONE Banker, "Tearsheet 2422970101", *Thomson ONE Banker* (www.thomsonone.com), 16 May 2012.
- xix Thomson ONE Banker, "Tearsheet 2475977101 and 2475978101", *Thomson ONE Banker* (www.thomsonone.com), 15 November 2012.
- xx Thomson ONE Banker, "Tearsheet 2426294101 and 2422953101", *Thomson ONE Banker* (www.thomsonone.com), 14 June 2012.
- xxi Thomson ONE Banker, "Tearsheet 2446982101", *Thomson ONE Banker* (www.thomsonone.com), 27 July 2012.
- xxii Thomson ONE Banker, "Tearsheet 2465426101 and 2465427101", *Thomson ONE Banker* (www.thomsonone.com), 19 October 2012.
- xxiii Thomson ONE Banker, "Tearsheet 2475977101 and 2475978101", *Thomson ONE Banker* (www.thomsonone.com), 15 November 2012.
- xxiv Thomson ONE Banker, "Tearsheet 2531086101 and 2531087101", *Thomson ONE Banker* (www.thomsonone.com), 17 May 2013.
- xxv Thomson ONE Banker, "Tearsheet 2368207101, 2368210101, 2368208101, 2368209101 and 2368211101", *Thomson ONE Banker* (www.thomsonone.com), 02 December 2011.
- xxvi Thomson ONE Banker, "Tearsheet 2531086101 and 2531087101", *Thomson ONE Banker* (www.thomsonone.com), 17 May 2013.
- xxvii Thomson ONE Banker, "Tearsheet 2987265115", *Thomson ONE Banker* (www.thomsonone.com), 7 June 2013; AECOM Technology Corporation, "United States Securities and Exchange Commission: Second amended and restated credit agreement", *AECOM Technology Corporation*, 7 June 2013 (www.sec.gov/Archives/edgar/data/868857/000110465913049042/a13-14922_1ex10d1.htm).
- xxviii Thomson ONE Banker, "Tearsheet 2372749101, 2372750101, 2372751101 and 2372752101", *Thomson ONE Banker* (www.thomsonone.com), 15 December 2011.
- xxix Thomson ONE Banker, "Tearsheet 2410566101", *Thomson ONE Banker* (www.thomsonone.com), 27 April 2012.
- xxx Thomson ONE Banker, "Tearsheet 2446982101", *Thomson ONE Banker* (www.thomsonone.com), 27 July 2012.
- xxxi Thomson ONE Banker, "Tearsheet 2481450101", *Thomson ONE Banker* (www.thomsonone.com), 18 December 2012.

-
- xxxii Thomson ONE Banker, "Tearsheet 2487367101", *Thomson ONE Banker* (www.thomsonone.com), 14 December 2012.
- xxxiii Thomson ONE Banker, "Tearsheet 2486910101", *Thomson ONE Banker* (www.thomsonone.com), 07 January 2013.
- xxxiv Thomson ONE Banker, "Tearsheet 2508194101", *Thomson ONE Banker* (www.thomsonone.com), 26 March 2013.
- xxxv Thomson ONE Banker, "Tearsheet 2534626101", *Thomson ONE Banker* (www.thomsonone.com), 27 June 2013.
- xxxvi Thomson ONE Banker, "Tearsheet 2534624101", *Thomson ONE Banker* (www.thomsonone.com), 26 June 2013.
- xxxvii Thomson ONE Banker, "Tearsheet 2534649101", *Thomson ONE Banker* (www.thomsonone.com), 26 June 2013.
- xxxviii Thomson ONE Banker, "Tearsheet 2372749101, 2372750101, 2372751101 and 2372752101", *Thomson ONE Banker* (www.thomsonone.com), 15 December 2011.
- xxxix Thomson ONE Banker, "Tearsheet 2368207101, 2368210101, 2368208101, 2368209101 and 2368211101", *Thomson ONE Banker* (www.thomsonone.com), 02 December 2011.
- xi Thomson ONE Banker, "Tearsheet 2412600101, 2412602101, 2412604101, 2412603101 and 2412601101", *Thomson ONE Banker* (www.thomsonone.com), 22 March 2012.
- xli Thomson ONE Banker, "Tearsheet 2426294101 and 2422953101", *Thomson ONE Banker* (www.thomsonone.com), 14 June 2012.
- xliv Thomson ONE Banker, "Tearsheet 2446982101", *Thomson ONE Banker* (www.thomsonone.com), 27 July 2012.
- xlvi Thomson ONE Banker, "Tearsheet 2466294101 and 2466295101", *Thomson ONE Banker* (www.thomsonone.com), 08 October 2012.
- xlvii Thomson ONE Banker, "Tearsheet 2490855101", *Thomson ONE Banker* (www.thomsonone.com), 03 December 2012.
- xlviii Thomson ONE Banker, "Tearsheet 2531086101 and 2531087101", *Thomson ONE Banker* (www.thomsonone.com), 17 May 2013.