

Trend in Yen-loan toward India

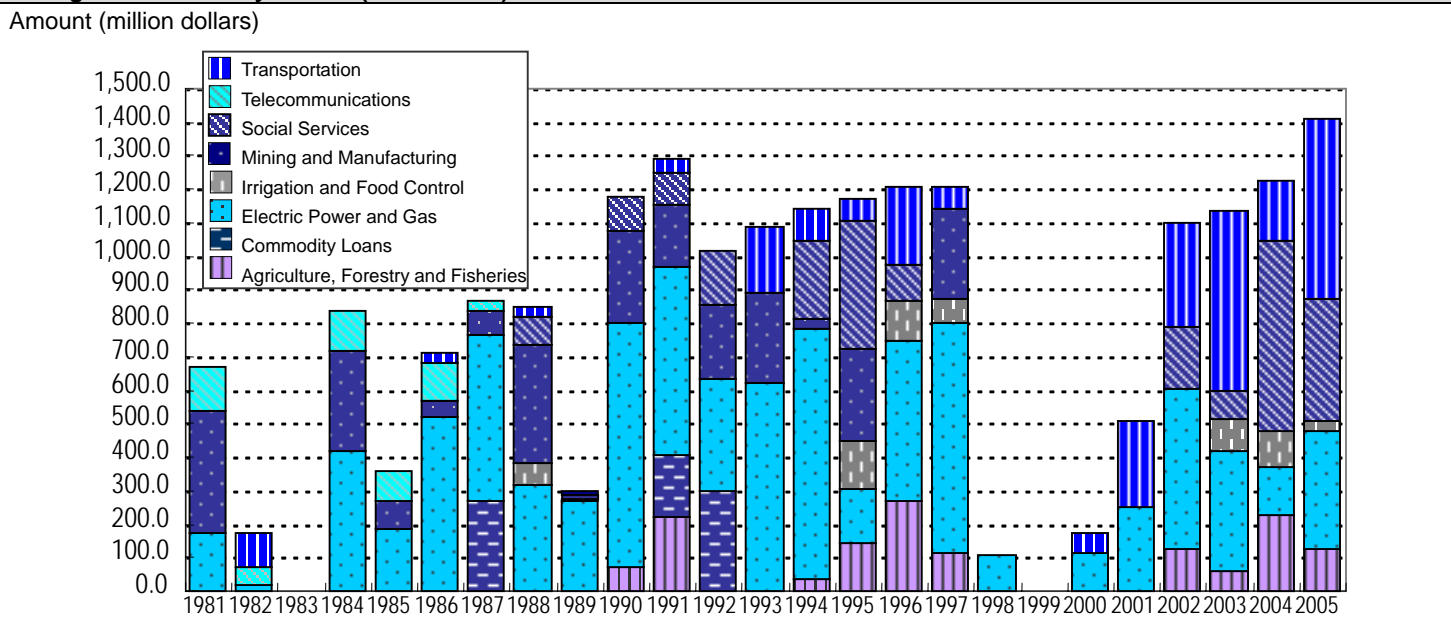
Remarkable events in the history of India over yen-loan ^{1 2}	
1947:	Independence of India from British rule
1958:	Japanese government gave first ever yen-loan assistance toward India
-	India made policy shift in development from supporting a certain industries such as heavy industry, to give more importance on infrastructure development
-	The gradual economic liberalization began in India
1991:	New industry policy
1998.5	Japan announced to suspend new yen-loan in India and Pakistan after they conducted a series of nuclear tests
-	The economic liberalization in India was fully promoted in the 1990s
2001.10:	Japan announced the resumption of new yen-loan
2003.6	India announced a policy to accept assistance only from six specified donor countries (Japan, Germany, US, UK, EC, Russia)
	*subsequently modified in September 2004 to include the G8 plus the EU
2005.4:	Japan and India agreed with "Japan-India Partnership in a New Asia Era"
-	India was the largest receiver of yen-loan for the year of 2003 and 2004

Development Plan released by India since the early 1980s	
(1980-85) 6th Five Year Plan	(1997-02) 9th Five Year Plan
(1985-90) 7th Five Year Plan	(2002-07) 10th Five Year Plan
(1992-97) 8th Five Year Plan	

Link to electric files which are available on web:
 (1) <http://www.planningcommission.nic.in/plans/planrel/fiveyr/default.html> *All the five year plans (first to tenth) are available on the website

The latest strategy of ODA toward India released by Japan
 Japan's Country Assistance Program for India released on May, 2006
http://www.mofa.go.jp/policy/oda/region/sw_asia/india.pdf#search=%22%22Japan's%20Country%20Assistance%20Program%22%20India%22

Change in amount of yen-loan (1981 – 2005)



(dollars in millions)																									
1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
669.3	176.2	0	837.2	356.6	713.1	865.9	848.9	299.4	1,174.6	1,290.6	1,017.3	1,087.6	1,143.3	1,170.7	1,206.8	1,206.6	104.9	0	172.1	510.3	1,097.9	1,136.4	1,222.4	1,413.3	
9	6	0	8	5	6	9	10	7	7	9	6	6	13	9	11	10	1	0	2	2	9	8	8	10	

*The cumulative amount of yen-loan before 1981 = 756.4 million dollars (11 projects)
 *The cumulative amount of yen-loan as of the fiscal year ended 2005= 20,477.6 million dollars (182 projects)

The trend in yen-loan

No new yen-loan was given from May 1998 to October 2001 due to the economic sanctions against the conduction of nuclear tests.

The top three categories which received higher percentage of yen-loan during the 1980s were Electric Power and Gas (53%), Mining and Manufacturing (26%) and Telecommunication (9%).

The top three categories which received higher percentage of yen-loan during the 1990s were Electric Power and Gas (45%), Mining and Manufacturing (15%) and Social Service (12%).

The top three categories which received higher percentage of yen-loan between 2001 to 2005 were Transportation (34%), Electric Power and Gas (29%), and Social Service (22%).

Reference: ¹ Wikipedia, the free encyclopedia, "History of India"

² Outline of Japan's ODA to India: http://www.mofa.go.jp/region/asia-paci/india/pm0504/oda_i.pdf#search=%22outline%20of%20Japan's%20ODA%20to%20India%22

Trend in Yen-loan toward India

List of Yen-loan projects³

SECTOR	FISCAL YEAR	PROJECT NAME	AMOUNT (dollars in million)
AGRICULTURE, FORESTRY AND FISHERIES	1990	AFFORESTATION AND PASTURE DEVELOPMENT PROJECT ALONG INDIRA GANDHI CANAL AREA	71.5
	1991	AFFORESTATION PROJECT IN ARAVALLI HILLS	73.6
		KARNATAKA STATE COMPREHENSIVE LAND USE MANAGEMENT PROJECT	145.9
	1994	RAJASTHAN FORESTRY DEVELOPMENT PROJECT	38.4
	1995	GUJARAT AFFORESTATION AND DEVELOPMENT PROJECT	143.3
	1996	EASTERN KARNATAKA AFFORESTATION PROJECT	145.2
		TAMIL NADU AFFORESTATION PROJECT	121.1
	1997	MADHYA PRADESH SERICULTURE PROJECT	20.1
		MANIPUR SERICULTURE PROJECT	36.0
	1998	PUNJAB AFFORESTATION PROJECT	56.3
		Punjab Afforestation Project(II)	45.9
	2002	Rajasthan Forestry and Biodiversity Project	82.3
		Integrated Natural Resource Management and Poverty Reduction Project in Haryana	57.1
	2003	Karnataka Sustainable Forest Management and Biodiversity Conservation Project	138.3
	2004	Tamil Nadu Afforestation Project (II)	89.3
Orissa Forestry Sector Development Project		126.7	
COMMODITY LOANS	1975	COMMODITY LOAN	63.6
	1976	COMMODITY LOAN (II)	90.9
	1977	COMMODITY LOAN (III)	181.8
	1978	COMMODITY LOAN (IV)	54.5
	1987	COMMODITY LOAN (V)	268.2
	1991	EMERGENCY COMMODITY LOAN	184.1
	1992	HYDROCARBON SECTOR PROGRAM	300.8
ELECTRIC POWER AND GAS	1978	NAGARJUNASAGAR HYDROELECTRIC POWER STATION EXPANSION PROJECT	76.4
		PAITHAN HYDROELECTRIC PROJECT	11.8
	1980	WESTERN YAMUNA CANAL HYDROELECTRIC PROJECT	36.4
	1981	CHANDRAPUR THERMAL POWER STATION EXPANSION PROJECT	12.9
		HIRAKUD HYDROELECTRIC PROJECT	13.6
	1982	LOWER BORPANI HYDROELECTRIC PROJECT	15.5
		LOWER METTUR HYDRO ELECTRIC PROJECT	69.1
	1983	NAGARJUNASAGAR HYDROELECTRIC POWER STATION PROJECT (STAGEII)	63.6
		TAMIL NADU STATE MICRO HYDRO POWER STATIONS CONSTRUCTION PROJECT	18.2
	1984	ANPARA B THERMAL POWER STATION CONSTRUCTION PROJECT	219.1
		EASTERN GANDAK CANAL HYDROELECTRIC PROJECT	14.8
	1985	GAS PIPELINE PROJECT	181.8
		GAS PIPELINE PROJECT(II)	143.6
	1986	SARDAR SAROVAR (NARMADA) HYDROELECTRIC PROJECT	25.9
		UJJANI HYDROELECTRIC PROJECT	13.6
	1987	ASSAM GAS TURBINE POWER STATION AND TRANSMISSION LINE CONSTRUCTION PROJECT	272.7
		GAS PIPELINE PROJECT(III)	171.9
	1988	TEESTA CANAL HYDROELECTRIC PROJECT	73.0
		ANPARA 'B' THERMAL POWER STATION CONSTRUCTION PROJECT (II)	130.0
	1989	ASSAM GAS TURBINE POWER STATION AND TRANSMISSION LINE CONSTRUCTION PROJECT(II)	123.2
		PURULIA PUMPED STORAGE PROJECT (E-S)	5.7
	1990	SRISAILAM LEFT BANK POWER STATION PROJECT (PHASE I)	237.3
		GHATGHAR PUMPED STORAGE PROJECT	103.8
	1991	RAICHUR THERMAL POWER STATION EXPANSION PROJECT	210.4
		BASIN BRIDGE GAS TURBINE PROJECT	104.1
	1992	BHAVANI KATTALAI BARRAGE HYDRO ELECTRIC PROJECT (I)	49.2
		GANDHAR GAS BASED COMBINED CYCLE POWER PROJECT (I)	118.6
	1993	ANPARA B THERMAL POWER STATION CONSTRUCTION PROJECT (III)	452.7
		POWER SYSTEM IMPROVEMENT AND SMALL HYDRO PROJECT	221.6
	1994	TEESTA CANAL HYDROELECTRIC PROJECT (II)	56.6
		ANPARA POWER TRANSMISSION SYSTEM PROJECT (I)	175.6
	1995	GANDHAR GAS BASED COMBINED CYCLE POWER PROJECT (II)	387.3
		ANPARA B THERMAL POWER STATION CONSTRUCTION PROJECT (IV)	120.2
1996	GANDHAR GAS BASED COMBINED CYCLE POWER PROJECT (III)	177.6	
	SRISAILAM POWER TRANSMISSION SYSTEM PROJECT	34.6	
1997	ANPARA B THERMAL POWER STATION CONSTRUCTION PROJECT (V)	160.3	
	BAKRESWAR THERMAL POWER PROJECT	246.1	

Reference: ³ JBIC ODA Project Data <http://www.jbic.go.jp/english/oec/project/index.php>

*The amounts of original data were stated in Japanese yen. The amounts appearing in this report were converted from Japanese Yen to US dollars (Conversion rate: 1 US dollar = 110 Japanese Yen (Amounts is round to the nearest 100,000 [hundred dollars])).

Trend in Yen-loan toward India

SECTOR	FISCAL YEAR	PROJECT NAME	AMOUNT (dollars in million)
		FARIDABAD GAS BASED POWER STATION AND ASSOCIATED TRANSMISSION SYSTEM PROJECT	214.0
	1994	ASSAM GAS TURBINE POWER STATION AND TRANSMISSION LNE CONSTRUCTION PROJECT (III)	143.8
		BAKRESWAR THERMAL POWER STATION UNIT 3 EXTENSION PROJECT	78.7
		KOTHAGUDEM'A' THERMAL POWER STATION REHABILITATION PROJECT	46.3
		PURULIA PUMPED STORAGE PROJECT	186.5
		SRISAILAM LEFT BANK POWER STATION PROJECT (II)	205.2
		SRISAILAM POWER TRANSMISSION SYSTEM PROJECT (II)	86.8
	1995	ANPARA POWER TRANSMISSION SYSTEM PROJECT (II)	109.3
		DHAULIGANGA HYDROELECTRIC POWER PLANT CONSTRUCTION PROJECT	51.5
	1996	NORTHERN INDIA TRANSMISSION SYSTEM PROJECT	77.2
		SIMHADRI THERMAL POWER STATION PROJECT	180.2
		TUIRIAL HYDRO-ELECTRIC POWER STATION PROJECT	106.3
		UMIAM HYDRO POWER STATION RENOVATION PROJECT	15.5
		WEST BENGAL TRANSMISSION SYSTEM PROJECT	100.8
	1997	BAKRESWAR THERMAL POWER STATION PROJECT(II)	310.5
		DHAULIGANGA HYDROELECTRIC POWER PLANT CONSTRUCTION PROJECT(II)	148.3
		SIMHADRI AND VIZAG TRANSMISSION SYSTEM PROJECT	96.6
		SRISAILAM LEFT BANK POWER STATION PROJECT(III)	131.8
	1998	BAKRESWAR THERMAL POWER STATION UNIT 3 EXTENSION PROJECT(II)	104.9
	2000	SIMHADRI THERMAL POWER STATION PROJECT (II)	110.9
	2001	SHIMHADRI THERMAL POWER STATION PROJECT(±V)	249.8
	2002	Bakreswar Thermal Power Station Units Extension Project	334.3
		Simhadri and Vizag Transmission System Project (II)	58.2
		Simhadri Thermal Power Station Project(IV)	51.7
		WEST BENGAL TRANSMISSION SYSTEM PROJECT(II)	28.4
	2003	Dhauliganga Hydroelectric Power Plant Construction Project(III)	126.3
		Purulia Pumped Storage Project(II)	214.3
		Umiam Stage II Hydro Power Station Renovation & Modernization Project	17.9
	2004	North Karanpura Super Thermal Power Project(I)	144.7
	2005	Purulia Pumped Storage Project(III)	163.3
		RURAL ELECTRIFICATION PROJECT	187.5
IRRIGATION AND FLOOD CONTROL	1988	UPPER INDRAVATI IRRIGATION PROJECT	34.0
		UPPER KOLAB IRRIGATION PROJECT	34.3
	1989	ENGINEERING SERVICES FOR INDIRA GANDHI NAHAR PROJECT	0.8
	1995	KURNOOL-CUDDAPAH CANAL MODERNIZATION PROJECT	145.9
	1996	RAJGHAT CANAL IRRIGATION PROJECT	120.2
	1997	RENGALI IRRIGATION PROJECT	70.5
	2003	Kurnool Cuddapah Canal Modernization Project(II)	43.4
		Rengali Irrigation Project(II)	57.7
	2004	Rajasthan Minor Irrigation Improvement Project	105.0
	2005	Swan River Integrated Watershed Management Project	31.8
MINING AND MANUFACTURING	1979	BOMBAY OFFSHORE OIL FIELD DEVELOPMENT PROJECT	56.4
	1980	BOMBAY OFFSHORE OIL FIELD DEVELOPMENT PROJECT (II)	78.2
	1981	HAZIRA FERTILIZER PROJECT	181.8
		THAL VAISHET FERTILIZER PROJECT	181.8
	1984	AMMONIUM SULPHATE AND CAPROLACTAM PLANT PROJECT	92.7
		AONLA FERTILIZER PLANT PROJECT	74.5
		BIJAIIPUR FERTILIZER PLANT PROJECT	136.4
	1985	AONLA FERTILIZER PLANT PROJECT(II)	86.4
	1986	AONLA FERTILIZER PLANT PROJECT(III)	53.1
	1987	FACT CAPTIVE POWER PLANT PROJECT	18.2
		GORAKHPUR FERTILIZER PLANT REVAMPING-REHABILITATION PROJECT	24.0
		TAMILNADU SMALL SCALE INDUSTRIES DEVELOPMENT PROJECT	29.1
	1988	MODERNIZATION PROJECT OF BURNPUR STEEL WORKS (E-S)	50.4
		MYSORE PAPER MILLS MODERNIZATION PROJECT	21.6
		RAMAGUNDAM FERTILIZER PLANT REHABILITATION PROJECT	101.2
		SMALL SCALE INDUSTRIES DEVELOPMENT PROGRAM	177.3
	1989	KOLAGHAT THERMAL POWER STATION FLY-ASH UTILIZATION PROJECT (E-S)	1.6
		MALANJKHAND COPPER EXPANSION PROJECT (E-S)	13.8
	1990	SMALL SCALE INDUSTRIES DEVELOPMENT PROGRAM (II)	272.7
	1991	SMALL SCALE INDUSTRIES DEVELOPMENT PROGRAM (III)	184.1
	1992	UDYOGAMANDAL AMMONIA PLANT REPLACEMENT PROJECT	222.6
	1993	SMALL SCALE INDUSTRIES DEVELOPMENT PROGRAM (IV)	272.7
	1994	INDUSTRIAL POLLUTION CONTROL PROGRAM	27.3
	1995	SMALL SCALE INDUSTRIES DEVELOPMENT PROGRAM (V)	272.7
	1997	SMALL SCALE INDUSTRIES DEVELOPMENT PROGRAM(VI)	272.7
SOCIAL	1988	TOURISM DEVELOPMENT PROJECT	84.0

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SECTOR	FISCAL YEAR	PROJECT NAME	AMOUNT (dollars in million)
SERVICES	1990	HOUSING PROGRAM FOR LOW AND MEDIUM INCOME HOUSEHOLDS	27.0
		QUALITY CONTROL OF HEALTH TECHNOLOGIES PROJECT	72.4
	1991	AJANTA-ELLORA CONSERVATION AND TOURISM DEVELOPMENT PROJECT	34.0
		URBAN CITY WATER SUPPLY PROJECT	61.7
	1992	YAMUNA ACTION PLAN PROJECT	161.6
	1994	CHENNAI SEWERAGE RENOVATION AND FUNCTIONAL IMPROVEMENT PROJECT	155.4
		INDUSTRIAL POLLUTION CONTROL PROJECT	13.9
		LAKE BHOPAL CONSERVATION AND MANAGEMENT PROJECT	64.1
	1995	ATTAPPADY WASTELAND COMPREHENSIVE ENVIRONMENTAL CONSERVATION PROJECT	46.5
		BANGALORE WATER SUPPLY AND SEWERAGE PROJECT	258.7
		URBAN WATER SUPPLY AND SANITATION IMPROVEMENT PROGRAM	78.8
	1996	KERALA WATER SUPPLY PROJECT	109.1
	2002	Ajanta-Ellora Conservation and Tourism Development Project(II)	66.6
		Yamuna Action Plan Project(II)	121.2
	2003	Bisalpur Jaipur Water Supply Project(Transfer System)	80.7
	2004	Bangalore Water Supply and Sewerage Project (II-1)	381.8
		Ganga Action Plan Project (Varanasi)	101.7
		Uttar Pradesh Buddhist Circuit Development Project	86.3
	2005	Bangalore Water Supply and Sewerage Project(II-2)	257.8
		Hussain Sagar Lake and Catchment Area Improvement Project	70.3
		Kolkata Solid Waste Management Improvement Project	32.6
	TELECOMMUNICATIONS	1977	TELECOMMUNICATION PROJECT
1980		TELECOMMUNICATION PROJECT (II)	24.5
1981		TELECOMMUNICATIONS PROJECT (III)	45.5
		TELECOMMUNICATIONS PROJECT (IV)	85.5
1982		TELECOMMUNICATIONS PROJECT(V)	54.5
1984		TELECOMMUNICATIONS PROJECT (VI)	49.4
		TELECOMMUNICATIONS PROJECT (VII)	68.5
1985		TELECOMMUNICATIONS PROJECT (VIII)	87.1
1986		TELECOMMUNICATIONS PROJECT (IX)	108.0
1987		TELECOMMUNICATIONS PROJECT (X)	30.3
TRANSPORTATION	1982	BOMBAY SUBURBAN RAILWAYS MODERNIZATION PROJECT	16.4
		CALCUTTA METRO RAILWAYS(PHASE II) CONSTRUCTION PROJECT	43.6
		INDIAN RAILWAYS DEVELOPMENT PROJECTS	24.4
		OIL AND NATURAL GAS COMMISSION OFFSHORE SUPPLY VESSEL PROJECT	19.1
	1986	HALDIA PORT MODERNIZATION PROJECT	34.5
	1988	MODERNIZATION OF THE HOOGHLY DOCK AND PORT ENGINEERS PROJECT	31.9
	1989	ROLLING STOCK WORKSHOP MODERNIZATION PROJECT (I)	11.4
	1991	NATIONAL HIGHWAY-2 IMPROVEMENT PROJECT	44.1
	1993	CONSTRUCTION OF A BRIDGE OVER RIVER YAMUNA AT ALLAHABAD-NAINI WITH APPROACH ROADS PROJECT	91.2
		NATIONAL HIGHWAY-5 IMPROVEMENT PROJECT	103.3
	1994	NATIONAL HIGHWAY-24 IMPROVEMENT PROJECT	43.9
		NATIONAL HIGHWAY-5 IMPROVEMENT PROJECT (II)	53.1
	1995	PIPAVAV PORT SHIP-BREAKING PROJECT	64.1
	1996	CALCUTTA TRANSPORT INFRASTRUCTURE DEVELOPMENT PROJECT	97.1
		DELHI MASS RAPID TRANSPORT SYSTEM PROJECT	134.2
	1997	TUTICORIN PORT DREDGING PROJECT	63.7
	2000	DELHI MASS RAPID TRANSPORT SYSTEM PROJECT(II)	61.2
	2001	DELHI MASS RAPID TRANSPORT SYSTEM PROJECT(III)	260.5
	2002	Delhi Mass Rapid Transport System Project(IV)	309.2
	2003	Delhi Mass Rapid Transport System Project(V)	539.1
	2004	Delhi Mass Rapid Transport System Project (VI)	175.4
	2005	Bangalore Metro Rail Project	406.4
		Delhi Mass Rapid Transport System Project (Phase2) (I)	135.5
	Visakhapatnam Port Expansion Project (E/S)	1.5	
GRAND TOTAL			20,477.6