Japan's ODA: Rolling Plan for India

[Diplomatic Consideration, • Cooperate in a wide rang • There have been annual • Mid-term policy objective	etc.] ge of thematic areas, based on the summit-level visits and frequent m ress for economic cooperation with	Japan-India Strategic and Global Partnership, with shared value inisterial-level meetings. India: (1) the promotion of economic growth through strengther	s. ning bilateral economic interactions; (2) poverty reduction and social sector development; (3) cooperation in the f	ield of the envi	ronment, c	limate ch:	ange and	energy			
[Priority Area] Prom	otion of Sustainable Econor [Background] <power augme<br="" capacity="" supply="">Energy consumption in India has consumption is the fourth largest GDP growth rate of 8-9% under achieve such fast economic grow achieve economic growth of 8% times and power generation capa of energy supply capacity is not demand has been increasing sinc strategies for development polici receiving enough energy (the ele closing the economic gap betwee The GOI aims to achieve the foll (1) The development of 78,600 (2) The reduction of transmissic (3) Improving power generation (4) The promotion of energy con In order to meet the huge investr power developments (10,760 M participation in the energy sector because of the distorted tariff str is also an important issue. <energy conservation,="" energy="" f<br="">India faces an urgent need to pro- consumption has continuously in renewable energy resources equi sustainable development. The pl</energy></power>	J Q Capacity Augmentation, Efficiency Improvements for Transmission and Distribution Networks> J mption in India has been increasing due to the recent high GDP growth rate, which has been over 8% per year on average in the period between PY2003 and FY2010. India's primary energy is the fourth largest in the world after China, the US and Russia amounting to 4.4% of the global consumption (equivalent to 524.2 million tons of oil in FY2010). India 'is mits to achieve the growth rate of more than 10% by the end of the period. In order to rate of 8-9% under the Eleventh Five-Year Plan (for the period between April 2007) and March 2012) and it aims to achieve the growth rate of more than 10% by the end of the period. In order to wink growth of 8% or more on average for 25 years up to 2032, and meet the basic energy demands of all the people in the country. According to the Integrated Energy Policy of the Government of India (GOL), in order to wink growth of 8% or more on average for 25 years up to 2032, and meet the basic energy demands of all the people in the country. Integrated Energy Policy of the Government of India (GOL), in order to wer generation capacity of India is 147.715 MW (as of February 2009), augmentation st ply capacity is not keeping pace with neergy demand growth (11% shortage in power supply and 13.8% shortage at peak demand in PY2008 (as of February 2009), anguentation st up energy (the electrification rate among rural households was approximately 44% according to the 2001 national census). Improving the low rural electrification rate is one of the obstales to increasing economic growth. The Eleventh Five-Year Plan places 'fraster Growth." and 'Inclusive Growth" as off Hardish and poor. s to achieve the following four goals in the Eleventh Five-Year Plan, regarding the above-mentioned challenges: logment of 78,600 MW of new power generation: (anoption the suprestrest ore structure the the									
(Dauglooment Jourg)	Program	Scheme	Before JFY 2010	JFY 2011	Sch JFY 2012	edule JFY 2013					
Stable Energy Supply		In order to strengthen the capacity to generate and transmit/distribute electricity to meet the growing demand in	Study on Improving Operations in Thermal Power Plants	TCDP		 					
		India, continuous support in the following areas will be provided: the construction of highly efficient power supply	Study on Improving Operations in Thermal Power Plants (C/P (Counterpart) Training)	CTR		<u> </u>					
		facilities (power plants, transmission and distribution networks): the improvement of efficiency at existing facilities:	Thermal Power Engineering for Gas Turbine and Coal Fired Steam Turbine	CTR							
		and the reduction of transmission and distribution losses. Additionally, for climate change mitigation, support for the	Bakreswar Thermal Power Station Units Extension Project	LA		—					
		promotion of demand-side energy conservation as well as development of new and renewable energy resources will be	Umiam Stage II Hydro Power Station R&M Project	LA		<u> </u>	<u> </u>				
		extended.	Purulia Pumped Storage Project	LA		<u> </u>		\vdash			
			Transmission System Modernization Project in Hyderabad	LA							
	Internet of France Second		Bangalore Distribution Upgrade Project	LA							
	Capacity, Energy Saving and		Maharashtra Transmission System Project	LA		<u> </u>					
	Energy Efficiency		Haryana Transmission System Project	LA							
			Micro, Small and Medium Enterprises Energy Saving Project	LA			-				
			Micro, Small and Medium Enterprises Energy Saving Project (Phase 2)	LA							
			Research Partnership for the Application of Low Carbon Technology for Sustainable Development	STC							
			Energy Conservation Techniques	CTR							
			Andhra Pradesh Rural High Voltage Distribution System Project	LA		—					
			New and Renewable Energy Development Project	LA							
			Madhya Pradesh Transmission System Modernization Project	LA		<u> </u>					

smission/distribution capacities in India where energy demands are growing, the be given high priority: construction of efficient power supply facilities (power plants, efficiency improvements at existing facilities; and the reduction of om the standpoint of climate change mitigation, demand-side energy conservation as will be further facilitated.

anese private sector participation in the Indian economy through the realization of a f economic growth in India through the enhancement of the Japan - India economic ven in choosing target regions of cooperation where many Japanese companies have

			Assistance	
	JFY 2014	JFY 2015	Amount (100 Million Yen)	Note
			2.50	
			367.71	
			19.64	
			415.41	
			236.97	
			106.43	
			167.49	
			209.02	
			300.00	
-			300.00	
-			2.70	
-				
			186.00	
			300.00	
			185.00	

 	[Priority Area] Prome	otion of Sustainable Econon	nic Growth through Assisting with Infrastructure Dev	elopment									
Normal set in the set in the set in the set is a set in the set in the set in the set is a set in the set in		[Background] In its Eleventh Five-Year Plan (fi system. It addresses the need for efficiency and environmental/soc particular, the National Highway consumption and production area arterial railway development for Prompt development of the Dedi <urban (metro="" a<br="" rails="" transport="">The urban population in India wa the urban population will continu namely Mumbai, Delhi, Chennai, meantime, public transport infras to 55% (2001). Urban areas are fa are expected to continuously incr severe congestion, resulting in ec development like urban mass rap In order to address the above me development plans consistent wii vehicles to public transport syste agencies; and the promotion of P of public transport systems and fo</urban>	[Japan's Assis 1. Urban Tran Focusing on si rapid transit sy environment tl 2. National Ar With particula and economic such as arteria distribution ef	tance Polis sport (met x major m /stems, rin rrough the terial Trar r attention corridors l railways ficiency ar	cy] ro rails an etropolita g and rad mitigatio isport Net to industri such as D and roads id foreign	d urban ri n cities in ial roads, n of traffit work (rai rial-integr elhi-Mums, large-sc direct inv	ing roads) I India, Jaj with the a c congesti ilways, hig ated areas abai Indus ale airpor restment.) pan is assi iim of con ion, air po ghways, ai s such as S trial Corri ts and por	sting in the tributing to llution, etc irports and special Eco dor (DMI ts leading	e development o regional econ ports) nomic Zones (C), Japan pursu to regional eco	of urban transport infrastructure such as mass omic growth and improvement of the urban (SEZs) around six major metropolitan cities es assistance for infrastructure development nomic development, enhanced goods		
Image: height in the second		<national arterial="" net<br="" transport="">While the cargo/goods transport out. The development and streng traffic. A growing volume of con volume, and the development of alarming rate of 60 times over the National Highways currently cate development of National Highwa upgrading to meet the surge in de</national>		I		Sak	- dula			Actions			
But particular Note: and individual problem of indindividual problem of individual problem of individual problem o		Program	Program Summary	Project	Scheme	Before JFY 2010	JFY 2011	JFY 2012	JFY 2013	JFY 2014	JFY 2015	Assistance Amount (100 Million Yen)	Note
Market in the standard method with some one of the standard method met	[Development Issue]		Focusing on six major metropolitan cities (Mumbai, Delhi, Chennai, Kolkata, Bangalore and Hyderabad), this program	Delhi Mass Rapid Transport System Project (Phase 2)	LA							2119.76	
Nixeds will a capety development of impresentation and impresentation andifferentin presentandimpresentation and impresentation and impres	Improvement and Maintenance of Transport		pursues assistance in the development of metropolitan	Kolkata East-West Metro Project	LA							817.17	
offeners of solure of non-strengt of here and information of the part o	Networks		as well as capacity development of implementation agencies, aiming at the mitigation of traffic concession, the enhancement	Bangalore Metro Rail Project	LA				ł			447.07	
Proprior Springer Sources and social divergence fields Gaudian Drogical (Gaudian			of efficiency for passenger/cargo transportation and improvement of the urban environment. The program thereby supports economic and social development in India.	Bangalore Metro Rail Project (II)	LA		_					198.00	
Cyl Larper Lyster Hydraho Chare Ring Rund Pringer (Phase 1) In In <td< td=""><td></td><td></td><td>Chennai Metro Project</td><td>LA</td><td></td><td></td><td></td><td></td><td></td><td></td><td>2222.00</td><td></td></td<>				Chennai Metro Project	LA							2222.00	
Image: Provide the set of t		City Transport Systems		Hyderabad Outer Ring Road Project (Phase 1)	LA							418.53	
Image: Problem in the status of the landoxing of ISR baland of ISR baland of the landoxing of ISR baland of the landoxing of ISR baland of the landoxing of ISR baland ISR baland of ISR baland I				Hyderabad Outer Ring Road Project (Phase 2)	LA					<u> </u>		420.27	
Image: Normal set in the set of				The Assistance for the Introduction of ITS Related to the Hyderabad Outer Ring Road Construction Project	TCP								
Image: Properties of the Cheminal Outer Ring Road Development Project PS Image: Project				Co-operation in the Field of Urban Development (Urban Development, Urban Transport)	MLIT-TA								
With a particular focus on the development of the Dedicated Freight Corridor which connects Delivations of bottments, program promotes the improvement of passengericargo transportation efficiency by providing solutions to bottments, program promotes the improvement of passengericargo transportation efficiency by providing solutions to bottments, program betweep major motion of major transport metworks between major motion for the program thereby apprent economic and social development in India. I.A.				Preparatory Survey for the Chennai Outer Ring Road Development Project	PS								
Strengthening Major Transport program promotes the improvement of passraphing solutions to bothenest heided Freight Condor (Phase 1) Cha Cha Cha Cha 4052.0 constraints de velopment of major matropolitan cilis and the development of the formation of major matropolitan cilis and the development frame cilis and the development frame cilis and the development frame cilis			With a particular focus on the development of the Dedicated Freight Corridor which connects Delhi and Mumbai, this	Visakhapatnam Port Expansion Project	LA						_	41.29	
Strenghening Major Transport Strenghening Major Transport Gaciy Development Project on Sustainable Development of Expressways TCP I			program promotes the improvement of passenger/cargo	Dedicated Freight Corridor (Phase 1)	LA							4052.00	
Networks elevation and/or matrices and the matrices and the development of logistics be programmed thereby stuping development in India. Capacity Building Adviser on Expressway Development EXP I			supporting the sustainable development of major transport	Capacity Development Project on Sustainable Development of Expressways	TCP								
Strengthening Major Transport Policy Adviser on Expressway Development EXP Image: Comparison of the Control of the Control of Phase 2) PS Image: Comparison of the Control o			development of logistics points. The program thereby supports	Capacity Building Adviser on Expressway Development	EXP								
Survey for Checking the Preparatory Situation for the Dedicated Freight Corridor Page P I			economic and social development in India.	Policy Adviser on Expressway Development	EXP			_					
Strengthening Major Transport Networks Survey for Checking Environmental and Social Considerations regarding the Dedicated Freight Corridor Project (Phase 2) PS -				Survey for Checking the Preparatory Situation for the Dedicated Freight Corridor Project (Phase 2)	PS	_							
Indexed Index (1) Index (2)		Strengthening Major Transport Networks		Survey for Checking Environmental and Social Considerations regarding the Dedicated Freight Corridor	PS								
Preparatory Survey on the Jawaharlal Nehru Port Trust (JNPT) Access Road ProjectPS $$ $ -$				Dedicated Freight Corridor (Phase 2)	LA							16.00	
Bihar National Highway Development ProjectLAIII <t< td=""><td></td><td></td><td></td><td>Preparatory Survey on the Jawaharlal Nehru Port Trust (JNPT) Access Road Project</td><td>PS</td><td></td><td></td><td></td><td></td><td> </td><td></td><td></td><td>Project subject to a Preparatory Survey</td></t<>				Preparatory Survey on the Jawaharlal Nehru Port Trust (JNPT) Access Road Project	PS								Project subject to a Preparatory Survey
Regional Road Sector III Investment PlanMLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of ResultsMLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of ResultsMLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of ResultsMLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of MLImage: Capacity Development for the Formulation Projects and Improvement for the Formulation Projects and Improvement for the Formulation Projects and Improvement for the Formulation Projects and Impr				Bihar National Highway Development Project	LA					<u> </u>		229.00	
Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of Results ML Image: Cost of				Regional Road Sector III Investment Plan	ML	•	•	•				1 million	Asian Development Bank (ADB) Japan Special Fund
Investment Strategy for the Karnataka Expressway Network ML				Capacity Development for the Formulation of Transportation Projects and Improvement in the Monitoring of Results	ML	•	•					1.5 million USD	ADB Japan Special Fund
				Investment Strategy for the Karnataka Expressway Network	ML	•	•					1.5 million USD	ADB Japan Special Fund

[Priority Area] Assis	stance for Economic Growth	along with Employment Generation						
[Development Issue] Employment Generation	[Background] In India, the total population has exceeding the total population gr creation is an urgent issue. Emply service sector such as informatio industry has room for further emp generating employment through i fiscal austerity policy. However, Under these circumstances, in the Dividend." The GOI also foresee as an urgent issue. The Eleventh agriculture sectors, taking into ac as a priority issue. Another impo	increased by 520 million in the last 30 years since 1980 (a proviout owth rate. On the other hand, the employment rate has stagnated oyment in the agriculture sector accounts for 60% of total employ in technology related industries - the engine of India's recent eco ployment growth as it accounts for a relatively small amount, 20 industrial development in labor-intensive manufacturing industria the continuous economic growth seen in India in recent years ha e Eleventh Five-Year Plan, the GOI considers the increasing you es that it could turn out to be a "Demographic Nightmare" withou Five-Year Plan projects additional 50 million people entering th count that there will be additional employment needed for the u rtant issue is human resource development; the Eleventh Five-Y	isional figure in Census of India, 2011). In particular, the working-age population has been growing at a pace d, resulting in an increase in unemployment rate from 6.8% (1999) to 10.8% (2010). Therefore, employment yyment in India, but the employment growth rate for the sector has slowed to less than 1% per annum. The nomic growth - has made a limited contribution to employment creation. On the other hand, the manufacturing 1%, of India's GDP in comparison with that of China and Southeast Asian countries such as Thailand. Thus, es, especially in the private sector, is expected, whereas the public sector is shrinking gradually due to the recent as resulted in an acute shortage of the highly-qualified human resources required by industry. ung working-age population as an engine of further economic growth, calling the group a "Demographic ut adequate employment creation. Therefore, employment generation in line with rapid population growth is seen the labor force during the period of the plan. It also calls for 70 million employment opportunities in non- nemployed and women. In particular, the development of labor-intensive manufacturing industries is addressed ear Plan expects to boost employment through basic education and vocational training.	[Japan's Assist 1. Industry (m India, which is improvement a infrastructure d industry; impro 2: Industrial hi employment o (particularly in universities.	tance Polic anufacturin s expected and the strr developme oving acce uman resou uman resou uman resou portunitie a the manu	cy] ng industry to have th engthening ent such as sess to mid- urce devel ss, by prov facturing i	y) develop e largest p g of intern s the conso to-long te to-long te viding train industry se	ment: potent ationa)lidati rm fin 'rovide ning fo ector),
	Program	Program Summary	Scheme	Before JFY 2010	JFY 2011	Sche JFY 2012	dule JFY 201	
	Private Sector Assistance	It is essential to enhance India's manufacturing industry sector that can generate large-scale employment. This program aims	Visionary Leaders for Manufacturing (VLFM) Program	TCP				
	(Industrial Development, Industrial Human Resource	to support the GOI in promoting human resource development and improving the business environment for manufacturing	Human Resource Development for Delhi Mumbai Industrial Corridor Development Corporation Limited for Investment Promotion	METI-TA				
	Development, etc.)	industrial development.	ML	•			_	

t: Support the development of industry and manufacturing industry in particular in ntial for employment creation, by providing the following support: productivity al competitiveness through quality management and technology transfers; soft tion of intellectual property rights necessary for the development of manufacturing nance for small and medium-sized enterprises.

de assistance for industrial human resource development in order to increase for business leaders and engineers so that they can meet the demands of industry), and by supporting the strengthening and expansion of training institutions and

			Assistance	
3	JFY 2014	JFY 2015	Amount (100 Million Yen)	Note
			0.2 million USD	Japan and UNDP (United Nations Development Programme) Partnership Fund

[Priority Area] Povert	riority Area] Poverty Reduction																	
	[Background] In India, agriculture's share of C total population still lives in rurr and rural areas essential. Agriculture in India achieved fo agricultural technology innovati during the Ninth and Tenth Five monsoons, are weaknesses in Ir agricultural commodities. In the Eleventh Five-Year Plan, million workers will move from (national rural infrastructure dev targets have been set for electrit the National Food Security Miss Given the above-mentioned situ 1. Rural environment and infrast the development of infrastructure environment in rural areas wher appropriate operation and maint 2. Agricultural productivity enhi- products; the efficient use of agr credit. In order to accelerate the 3. Employment generation in ru agriculture sectors needs to be a which take advantage of historie entrepreneurs, collaboration witi individual entrepreneurs to tack	GDP is in long-term decline; as it accounted for 50% of total GDD al areas (a provisional figure in Census of India, 2011) and 60% of ood self-sufficiency in the mid-1970s owing to the Green Revolut on (increase in the yield per unit area) and infrastructure develop b-Year Plan periods. This has been an obstacle to economic grow adian agriculture that hinders stable production. In recent years, the the GOI gives priority to accelerating agriculture and has set an the agricultural sector to non-agricultural counterparts. As part of velopment program) since 2005, promoting the improvement of th fication, the development of all-weather roads, safe drinking wate sion was launched in 2007 with the objective of significantly incr ation, the challenges to be tackled are as follows: tructure development: In order to increase agricultural productivit re for agricultural production such as irrigation systems, market fit e large numbers of the poor reside, assistance for basic infrastruc- tenance by governments and users, and thus, consideration, assistan ricultural water resources; improvements in farming methods tow agriculture sector, detailed plans for improving productivity by the ral areas: Through the promotion of small, medium, and marginal accelerated in order to improve the rural economy. For example, is cal, cultural heritage and natural resources in local areas. In order the the private sector, NGOs and research institutions should also	P in the 1950s, declining later to 24% in 2001-02 and further down to 17.5% in 2007-08. However, 80% of the of the workforce is employed in the agriculture sector, making the socio-economic development of agriculture ion that took place in the 1960s. Today, India is a country that exports rice and wheat. At the same time, ment (e.g. irrigation facilities) has slowed in recent years, stagnating the growth rate at an average of 2.5% th. A low irrigation rate (40%) and high dependency on rainfall, which is easily affected by the Southwestern here is growing interest in food security in India due to global food insufficiency and the surge in the price of average growth rate of 4% for the sector during the period of the plan. On the other hand, it estimates that 10 of agricultural and rural development efforts, the GOI has been implementing the Bharat Nirman Program he rural environment and infrastructure development. In the Eleventh Five-Year Plan, infrastructure development er, increasing telephone connectivity, irrigation development, etc. In addition, in order to improve food security, easing the production of major crops, e.g. rice, wheat, and pulses through productivity improvements.	[Japan's Assis 1. Support the 2. Support tec agricultural w techniques, ar 3. Support inf small, medium natural resour	tance Poli e developn hnologica ater resound d expansion rastructure n and marg ces.	cy] eent of ag l develop rces, impr on of low e develop ginal busin	ricultural p ment for th ovements -interest r ment and h nesses incl	roduction e stable s in agricul ral credit uman res uding loc	n infrastru upply of r tural mana ource dev al industri	cture and r major crop agement to elopment f es and tou	rural lifelines. s and high-valu wards crop div for the promoti rism utilizing t	te agricultural products, efficient use of versification, dissemination of technologies and on of agricultural product processing and rural he historical and cultural heritage as well as						
	Program	Program Summary	Project	Scheme	Before JFY 2010	JFY 2011	Scho JFY 2012	JFY 2013	JFY 2014	JFY 2015	Assistance Amount (100 Million Yen)	Note						
[Development Issue]		In order to increase agricultural productivity and achieve stable production without being influenced by weather	Kurnool-Cuddapah Canal Modernization Project	LA	2010						47.73							
Income Generation in Rural Areas		conditions such as draughts, this program aims to support infrastructure development for agricultural production such as	Andhra Pradesh Irrigation and Livelihood Improvement Project	LA							239.74							
		irrigation systems and more efficient use of agricultural water resources. With the aim of filling the gap between urban and	Rengali Irrigation Project (II), (III)	LA			+				93.42							
		rural areas, this program also aims to promote basic infrastructure development in order to improve the living environment in rural areas where a large number of poor people reside.	Rajasthan Minor Irrigation Improvement Project	LA							115.55							
			Rural Electrification Project	LA			-				206.29							
	Improvement of the Rural Environment and Infrastructure		Hogenakkal Water Supply and Flurosis Mitigation Project	LA				_			223.87							
			Hogenakkal Water Supply and Flurosis Mitigation Project (Phase 2)	LA				_			170.95							
			JICA Partnership Program in the Agricultural Development Sector (3 Projects)	JPP														
			Andhra Pradesh: Piloting Drought Adaptation Initiative	ML	•						0.96 million USD	The World Bank, the Japan Policy and Human Resources Development (PHRD)						
			Capacity Building for the Poor for Water Resource Utilization and Life Improvement	ML	•	•	•				2.0 million USD	ADB Japan Fund for Poverty Reduction						
			Support for the Regional Urban Facility Supply Project Utilizing PPP	ML	•	•	•				1.5 million USD	ADB Japan Special Fund						
		Taking food security into consideration, this program aims to promote technological development for the stable supply of	Mizoram Northern District Hilly Area Agriculture Development Study	TCDP														
		major crops and high-value agricultural products; improvements in farming methods towards crop	Technical Cooperation Project on Maximizing Soybean Production in Madhya Pradesh	TCP	_						3.50							
	Enhancement of Agricultural Productivity	diversification; and dissemination of technologies and techniques. By making detailed plans for productivity	Himachal Pradesh Crop Diversification Promotion Project	LA	-						50.00							
		improvements that takes advantage of local characteristics to the maximum extent possible, this program also aims to	Technical Cooperation Project for Crop Diversification in Himachal Pradesh	TCP	-						5.00							
		improve livelihoods in rural areas.	Third-Country Training in the Rural Development Sector (1 project)	TTR			-											
		Through the promotion of non-agricultural sectors in rural areas, this program aims to promote the voluntary shift of the	Ajanta-Ellora Conservation and Tourism Development Project	LA					-		73.31							
		agricultural workforce with low income levels to non- agricultural ones in order to improve the rural economy. For	Uttar Pradesh Buddhist Circuit Development Project	LA						\vdash	94.95							
	Employment Generation in Rural Areas hu lo	Utt agricultural ones in order to improve the rural economy. For example, the assistance is extended for: tourism promotion that takes advantage of the historical and cultural heritage and natural resources in rural areas; infrastructure development and human resource development necessary for the promotion of local industries in rural areas.	Making Globalization Work for the Rural Poor in India	ML	•	•					1.7 millior USD	The World Bank, the Japan Social Development Fund (JSDF)						

[Priority Area] Pover	ty Reduction																
	[Background] In order to achieve the Millennium Development Goals (MDGs), which include reducing child mortality, improving maternal health and combating HIV/AIDS, malaria and other diseases, it is essential for India, a country where one third of the poor in the world are said to be found, to improve its health indicators. However, the under-five mortality rate of 61/1,000 and the maternal mortality rate of 260 per 100 thousand cases means that India is far from achieving the MDGs by the end of the Eleventh Five-Year Plan (March 2012). Therefore, the country needs to make further efforts. In the Tenth Five-Year Plan, the GOI identified the health sector as one of the priority areas. The GOI formulated a national flagship program called the National Rural Health Mission (NRHM), aiming to improve health services in rural areas where development was slow, by particularly focusing on reproductive health. At the same time, the GOI is planning to officially announce shortly another national flagship program called the National Urban Health Mission (NUHM), the purpose of which is to strengthen health service delivery in urban areas, particularly slums. The Eleventh Five-Year plan identified health service delivery to all people as a key issue in order to eradicate inequity. In order to improve the health sector, there are a wide range of challenges to be tackled including: improvement of medical facilities; the need to solve the chronic shortage of qualified medical doctors and medical lab technicians at medical institutes for economically-challenged patients; health awareness building among people; improvement of nutrition and sanitation; and capacity development of local self- governance bodies. HIV/AIDS and bird flu are new health threats for India; the number of HIV positive people is an estimated 2.5 million.						[Japan's Assistance Policy] Given that India has a large geographical area and population, Japan sees the following three areas as priorities with particular attention on Japan's contribution to achieving the MDGs: 1. Decrease the infant mortality rate (IMR) and the maternal mortality rate (MMR); 2. Strengthen the strategy for controlling infectious diseases that are the main causes of infant mortality; 3. Improve access to health services that can directly benefit the economically-challenged. Cooperation in the health sector will be conducted in line with Japan's New Global Health Policy (2011-2015).										
					Sch						Assistance						
[Development Issue] Improvement of Basic Social Services	Program	Program Summary	Project	Scheme	Before JFY 2010	JFY 2011	JFY 2012	JFY 2013	JFY 2014	JFY 2015	Amount (100 Million Yen)	Note					
		This program aims to assist the GOI in strengthening health services that directly benefit the economically-challenged people through the projects which aim to improve maternal	Reproductive Health and Women's Empowerment in the State of Madhya Pradesh (Phase 2)	TCP							3.20						
		and child health; improve access to health services; and prevent infectious diseases.	Volunteers (2 volunteers)	JOCV													
	Internet of Decis Control		The Project for Eradication of Poliomyelitis (via UNICEF)	GA							1.92						
	Services (Health and Sanitation)		HIV/AIDS Capacity Building in India	ML	•	•						The World Bank, the Japan Policy and Human Resources Development (PHRD)					
			Prevention of Prejudice against HIV-Positive People and Groups Which Contain High Percentages of HIV- Positive People, Infection Prevention Measures for HIV-Positive People	ML	•	•					0.17 million USD	Japan Trust Fund for HIV/AIDS, IPPF (International Planned Parenthood					
		Pro Jap	Provision of Traveling Clinic Services for Urban Slums in the Asha Area, etc. (3 projects in total)	GHGA							0.30						
			Japan Partnership Programme for the Health Sector (4 projects)	JPP													

[Priority Area] Assista	ance for Tackling Environment Issues and Climate Change												
	[Background]			[Japan's Assistance Policy]									
	In India, the pressure on the env air pollution, deterioration of the	ironment is increasing as a result of the growing population and e living environment, contamination of rivers and lake environme	economy. This is causing various development problems in urban areas such as poor solid waste management, nts, etc.	The major are shall also be c	as of coop considered	peration in	the secto	r are as sh	iown belo	w. Collab	oration with Japane	ese local governments, other donors, etc.	
				1. Infrastructu	re develop	pment for	water sup	ply and se	ewage sys	tems (dev	elopment of water	and sewerage related facilities; increasing	
	 Environmental Pollution (Solid In urban areas, environmental pol 	billution caused by solid waste, air pollution, etc. is a pressing iss	ue. The Eleventh Five-Year Plan identified the following policy targets: (1) minimization of solid waste volumes	conservation of	of water; t	er supply he develoj	systems; to pment of s	anitation	facilities a	a metering and sewag	system; reduction e systems; and recy	of water leaks; measures for the vcling treated waste water)	
	through the incineration process,	, separation at and collection of waste from households, introduc	tion of solid waste recycling and improvement of the solid waste disposal system; (2) bringing down the level of	2. Financial su	ustainabili	ty of the w	ater autho	ority (the i	introduction	on of appr	opriate tariff levels	which is sufficient to cover the operation	
	an ponution in an major metros	to meet the an quanty standards set form by world Health Orga	iization (who).	revenue; redu	cing exper	nditure; an	d reducin	g of non-r	evenue w	ater)		e sources by increasing property tax	
	<water and="" quality="" reso<br="" water="">In urban areas, securing safe driv</water>	purce Management (Water Supply and Sewerage, River Basin M	anagement, Conservation of Rivers and Lake Environments)>	3. Capacity bu manual: enhance	uilding for	the water	authority source de	(improvir	ng the effi-	ciency of t lic relation	the operation by the ns: clarification of t	e staff; the introduction of an operation he roles and authority of each operational	
	tap water in urban areas alone, a	and the rapid pace of urbanization leads to an expanding gap betw	ween demand and supply, causing insufficient quality, quantity, and duration of water supply services. In the	division and enhancement of its autonomy; improvement of information management systems and data collection; and transferring									
	sewerage sector, since the rate o and the living environment and h	of individual connections to the sewerage system still remains at a system of local people is threatened.	ess than 30%, and since the treatment capacity for sewerage is insufficient, the untreated effluent is discharged	 authority from states to Urban Local Bodies) 4. The expansion of public services to reach the economically-challenged (people living in slums). 5. The promotion of the participation process and awareness raising of people (improvement of relationships with beneficiaries) 									
	Considering the above-mentione	ed situation, the GOI has set a target of providing all urban popul	ations with water supply systems and sanitation/sewerage treatment systems by the end of FY2011, in its										
	through the Jawahalal Nehru Na	tional Urban Renewal Mission (JNNURM).	our formulate a comprehensive uroan development plan and achieve the goals by utilizing the support provided	improvement	of sanitati	on and sol	id waste 1	; process; nanageme	ent; and th	n or aware ie promoti	on of individual wa	ter supply and sewerage service	
	Water pollution in rivers and lak	tes occurs when the inflow of untreated sewerage exceeds the na	tural treatment capacity. Therefore, the GOI has been promoting countermeasures such as the construction of	connections)	the partici	nation of t	he private	sector fo	r officient	operation	e and maintenance	(such as outcourging the operations and	
	releasing it into rivers; and enhance the water quality of major rivers in India to the designated level, by the end of FY2011 (the end of the period of the plan).					ities using	performa	nce-based	l contracti	ing)	is and maintenance	(such as outsourcing the operations and	
	A decreasing water table caused techniques for water conservation	by the excessive extraction of groundwater, and arsenic/fluoric on are needed. The National Environmental Policy 2006 includes	contamination are apparent. Because of this, the prevention of the excessive extraction of groundwater, and a detailed action plan for these issues.										
		-			1						, , , , , , , , , , , , , , , , , , ,		
						-	Sch	edule	-		Assistance		
	Program	Program Summary	Project	Scheme	Before	JFY	JFY	JFY	JFY	JFY	(100 Million	Note	
					2010	2011	2012	2013	2014	2015	Yen)		
	Pollution Prevention and	This program aims to improve solid waste management											
	Water Pollution	of solid waste, and awareness campaigns, in order to improve	Kolkata Solid Waste Management Improvement Project	LA							35.84		
	Measures)	urban solid waste treatment systems.											
		and sewerage, ensure the financial sustainability of the	Capacity Building Project for Operation and Maintenance of Sewerage Works	TCP			F .						
		implementation agencies, conduct capacity building activities for the implementation agencies, extend services to the poor											
[Development Issue]		(slums) and promote the participation process and awareness	Yamuna Action Plan Project (II)	LA			_				133.33		
Improvement of the Urban		participation of the private sector in order to improve the	Yamuna Action Plan Project (III)	LA	-						326.00		
Liivitoimient		encency of the operations and mannehance.	Ganga Action Plan Project (Varanasi)	LA						-	111.84		
			Hussain Sagar Lake and Catchment Area Improvement Project	LA							77.29		
			Bangalore Water Supply and Sewerage Project (II)	LA							703.55		
			Kolkata Environmental Improvement Project (II)	ML	•	•					0.4 million USD AI	DB Japan Special Fund	
			Project for Capacity Development on Non-Revenue Water (NRW) Reduction in Goa	TCP		-					3.70		
			Goa Water Supply and Sewerage Project	LA							228.06		
	Water Quality and Water Resources Management		Bisalpur Jaipur Water Supply Project (Transfer System)	LA							88.81		
	(Development of Water Supply and Sewage Systems,		Project for Capacity Development on Non-Revenue Water (NRW) Reduction in Bisalpur Jaipur	TCP					-				
	Conservation of Rivers and Lakes)		Kerala Water Supply Project (I) (II) (III)	LA							575.01		
			Agra Water Supply Project	LA							248.22		
			Amritsar Sewerage Project	LA						_	69.61		
			Orissa Integrated Sanitation Improvement Project	LA							190.61		
			Tamil Nadu Urban Infrastructure Project	LA				_			85.51		
			Study for Formulation and Revision of Manuals of Sewerage and Sewage Treatment	TCDP							2.50		
			The Study on Improvement of Water Supply System in Delhi	TCDP		<u> </u>					3.86		
			Guwahati Water Supply Project	LA						<u> </u>	294.53		
			Development of a Novel Sewage Treatment Technology with Minimum Energy Requirements	STC		—					- 3.50		
			Advisor on Sewerage Sector Technology and Policy	EXP		—							
			Co-operation in the Field of Urban Development (Water Environment)	MLIT-TA	<u> </u>				+				

[Priority Area] Assistance for Tackling Environment Issues and Climate Change												
[Priority Area] Assistance for Tackling Environment Issues and Climate Change												
	 I. For conservation and the sustainable use of natural resources, Japan assists the GOI in improving both the quantity and quality forests through the regeneration of degraded forests. It also assists with the prevention of soil degradation, preventing the water as soil conservation function of forests from declining and conserving biodiversity. In order to achieve this, Japan continues to support the promotion of JFM especially in areas where poverty is a major problem. est 2. For sustainable JFM, Japan assists the GOI in strengthening the capacity of stakeholders such as frontline forest staff and communities; promoting cooperation between village councils and other government departments; creating systems to promote collaboration with NGOs/CBOs (community-based organizations). The socio-economic situation of the target areas shall also be into consideration when providing support. 3. In order to address the increasing demand for forest products in recent years, Japan supports farm forestry, which contributes t timber production in areas other than national forests. 4. When providing support for the said development issue, the potential of forest conservation as a climate change mitigation/duration many encounter of conservation as a climate change 											
							Sch	edule			Assistance	
	Program	Program Summary	Project	Scheme	Before JFY 2010	JFY 2011	JFY 2012	JFY 2013	JFY 2014	JFY 2015	Amount (100 Million Yen)	Note
		As per the various needs in different states in India, this program aims to flexibly support the quality improvement of forests and increases in forest cover, prevention of soil	Project for Capacity Building of State Forest Training Institutions and SFS Colleges	TCP							3.20	
		degradation, maintaining the soil and water conservation function of the forests, and biodiversity conservation, through	Integrated Natural Resource Management and Poverty Reduction Project in Haryana	LA					+		62.80	
[Development Issue]		the regeneration of degraded forests. In order to ensure the sustainability of forest management the income generation for	Tamil Nadu Afforestation Project (Phase 2)	LA							98.18	
Environmental Conservation		residents and capacity building for stakeholders are to be onboased by amorting the GOU's initiating toward IEM. For	Karnataka Sustainable Forest Management and Biodiversity Conservation Project	LA			<u> </u>				62.80 98.18 152.09 139.37	
		further capacity development for staff members in forest departments, the training capacity at both captral/state lavals	Orissa Forestry Sector Development Project	LA			-				139.37	
		will be strengthened through this program.	Tripura Forest Environmental Improvement and Poverty Alleviation Project	LA						_	77.25	
			Gujarat Forestry Development Project (Phase 2)	LA							175.21	
	Afforestation and Forest		Uttar Pradesh Participatory Forest Management and Poverty Alleviation Project	LA							- 133.45	
	Treservation		Capacity Development for Forest Management and Personnel Training Project	LA							52.41	
			Swan River Integrated Watershed Management Project	LA					+		34.93	
			Sikkim Biodiversity Conservation and Forest Management Project	LA							53.84	
			Assistance for the Sikkim Biodiversity Conservation and Forest Management Project	EXP	—	—						
			Preparatory Survey for the Tamil Nadu Sustainable Natural Resource Management Project	PS	—							
			Tamil Nadu Biodiversity Conservation and Greening Project	LA							88.00	
			Preparatory Survey for the West Bengal Integrated Forestry Development and Biodiversity Conservation Project	PS		—						
			Rajasthan Forestry and Biodiversity Project (Phase 2)	LA							157.00	

[Priority Area] Other Important Areas												
			Project Sche				Sche	edule			Assistance	
	Program	Program Summary			Before JFY 2010	JFY 2011	JFY 2012	JFY 2013	JFY 2014	JFY 2015	(100 Million Yen)	Note
[Special Issue] Disaster Prevention and Management in South West Asia		This program aims to support disaster prevention and management, which is an important development sector outside the priority areas of the rolling plan for India.	Information Network for Natural Disaster Mitigation and Recovery	STC							4.80	
[Special Issue] Acceleration of Bilateral Academic Exchanges in		This program aims to support the acceleration of bilateral academic exchanges in the fields of science and technology. Assistance for the education sector will be provided in line	Preparatory Survey on Establishing the Indian Institute of Technology Hyderabad	PS								
the Fields of Science and Technology		with Japan's Education Cooperation Policy 2011-2015.	Campus Design Project for the Indian Institute of Technology, Hyderabad through Academic Exchanges and Interdisciplinary Collaborations	TCP								Supplementary project to a Loan Aid project
		This program aims to support activities related to social sector development, e.g. the enhancement of basic nutrition, support	Street Children Rehabilitation Center Construction Project, etc. (17 projects in total)	GHGA							1.40	
		for the physically/mentally challenged and the provision of education opportunities for them.	Project for Strengthening the Electronic Media Production Centre at the Indira Gandhi National Open University	GA							7.87	
[Develo	opment Issue] Others	This program contributes to accelerating human resource development through sending volunteers and conducting	Volunteers (9 volunteers)	JOCV								
		training programs in Japan-related areas, e.g. Japanese language education and Judo.	g. Japanese Youth Invitation Program (2 programs)	TR								
			Microcredit Project in Suburban Areas, etc. (2 projects in total)	JPP								

Legend: [PS] = Preparatory Survey, [DD] = Detailed Design using technical assistance which utilizes the loan aid budget, [TCP] = Technical Cooperation Project, [TCDP] = Technical Cooperation for Development Planning, [EXP] = Expert, [EQ] = Equipment, [CTR] = Country-focused Training, [TR] = Issue-based Training / Area-focused Training / Area-focus