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**BUREAU FOR DEMOCRACY, CONFLICT, AND HUMANITARIAN ASSISTANCE (DCHA)
OFFICE OF U.S. FOREIGN DISASTER ASSISTANCE (OFDA)**

***Asia and Pacific –
Disaster Risk Reduction Programs***

Fact Sheet #1, Fiscal Year (FY) 2010

September 30, 2010

BACKGROUND

Disasters including earthquakes, typhoons, floods, landslides, volcanoes, droughts, tsunamis, and wildfires affect populations throughout the Asia-Pacific region. Declining socio-economic conditions of some populations are increasing the region’s vulnerability. Demographic changes, rapid urbanization, and environmental degradation have reduced the amount of habitable land available, leading to settlement in hazard-prone, marginal lands, such as flood plains and steep slopes. These challenges are exacerbated by global climate change, which, in addition to natural disasters, civil conflicts and complex emergencies, cause hardships and impede development. USAID/OFDA is committed to assisting in the development of disaster risk reduction (DRR) and emergency response capacities in the region. In FY 2010, USAID/OFDA provided nearly \$21 million for DRR projects throughout the Asia-Pacific region.

USAID/OFDA integrates DRR programs in disaster response to meet emergency humanitarian needs while mitigating the impact of future disasters. USAID/OFDA programs include the construction of seismic-resistant transitional shelters; Security Awareness Induction Training (SAIT), aimed to enhance the safety and security skills of staff delivering humanitarian aid; identification and filling of gaps in government and humanitarian assistance provision in emergency situations to increase the overall stability and capacity of national governments; temporary employment and asset restoration through cash-for-work and cash transfers, building resilience to future shocks related to conflict or drought and floods; and restoration of water infrastructure to reduce vulnerability to future waterborne disease outbreaks.

DRR FOR ASIA AND PACIFIC

USAID/OFDA Assistance for DRR in FY 2010	\$9,571,337¹
USAID/OFDA Assistance for Integrated DRR and Response Programs in FY 2010	\$15,420,269
Total USAID/OFDA Assistance for DRR in FY 2010	\$24,991,606

REGIONAL PROGRAMS

- Program for the Enhancement of Emergency Response (PEER), Phase III: PEER promotes disaster preparedness through the development of national and regional cadres of professional emergency response instructors and assists local, regional, and national disaster management agencies in organizing and conducting standardized training in medical first response, collapsed structure search and rescue, and hospital preparedness for mass casualties following a disaster. The program was designed primarily for earthquake preparedness but is widely applicable to any collapsed structure or mass casualty situation. Managed by the Asian Disaster Preparedness Center (ADPC), Phase I began in 1998 in India, Indonesia, Nepal, and the Philippines. Phase II expanded activities to Bangladesh and Pakistan and increased the scope of the program. Phase III, which is increasing training of local emergency responders, expanded to include Cambodia, Laos, and Vietnam. ADPC and the Kathmandu-based National Society for Earthquake Technology (NSET) are jointly implementing Phase III of PEER, scheduled to continue through March 2014. Activities are focused on establishing a system to enhance first responder capacity in disaster-prone communities and improve capacity of hospitals and medical facilities to manage mass casualty incidents. USAID/OFDA has provided \$14,286,203 to date to support PEER. **FY 2010: \$1,700,000**
- Program for Hydrometeorological Risk Mitigation in Asian Cities (PROMISE): Beginning in 2005, USAID/OFDA provided a grant to ADPC for an urban disaster mitigation project entitled PROMISE. This program built upon the activities of the Asian Urban Disaster Mitigation Program (AUDMP) in which ADPC developed pilot disaster preparedness projects in targeted Asian cities. PROMISE promotes disaster preparedness through demonstration projects in six rapidly growing urban areas that have been significantly impacted by hydrometeorological disasters: Chittagong, Bangladesh; Hyderabad, Pakistan; Dagupan City, the Philippines; Kalutara, Sri Lanka; Da Nang,

¹ This figure includes \$7,847,146 in USAID/OFDA FY 2010 funding for DRR programs implemented solely within Asia and the Pacific, as well as funding for USAID/OFDA worldwide technical assistance DRR programs with activities in Asia.

Vietnam, and Jakarta, Indonesia. In FY 2010, ADPC expanded PROMISE to Jamalpur, Bangladesh. ADPC facilitated preparedness and mitigation workshops, carried out hazard mapping and vulnerability assessments, established community-based early warning mechanisms, and provided land-use planning training and capacity building. The grantee also piloted community-based warning systems, developed city-level disaster management information systems and public awareness and advocacy campaigns, and assisted to make houses more resistant to disaster. USAID/OFDA funding since FY 2005 totals \$2,221,916.

- Pacific Islands Disaster Risk Management Program 2 (PDRMP-2): Implemented by The Asia Foundation (TAF), the three-year PDRMP-2 program aims to improve the capacity and performance of local and national disaster management agencies, develop and adapt training materials relevant to the region, and strengthen the capacity of South Pacific nations to organize and conduct disaster management courses. USAID/OFDA has supported capacity building initiatives in the Pacific Islands through TAF since 1995. Under PDRMP-2, awarded in FY 2010, TAF plans to provide national-level trainings in the Cook Islands, the Federated States of Micronesia (FSM), Fiji, the Republic of the Marshall Islands (RMI), Samoa, the Solomon Islands, Tonga, and Vanuatu and sub-regional training curriculum development in the eight countries targeted for national-level training, as well as Kiribati, Nauru, Niue, Palau, Papua New Guinea, and Tuvalu. This program is scheduled to continue until June 2013..... **FY 2010: \$750,000**
- Asia Flood Network (AFN): AFN aims to strengthen the capacity of regional and national hydrometeorological institutions in climate, weather, and hydrological forecasting while directly involving communities at risk in reducing vulnerability to hydrometeorological hazards. In collaboration with partners in Asia, AFN is jointly implemented by USAID/OFDA, the National Oceanic and Atmospheric Administration (NOAA), and the U.S. Geological Survey (USGS). Current activities are focused on Cambodia, China, Laos, Thailand, and Vietnam in the Mekong river basin and Bangladesh, Bhutan, India, Nepal, and Pakistan in the Ganges-Brahmaputra-Megna (GBM) basin. Under AFN, the Mekong River Commission (MRC), the International Center for Integrated Mountain Development (ICIMOD), and country representatives in the Mekong and GBM river basins received training on the application of satellite-based rainfall estimates (SRE) to floods and droughts, flash flood guidance, and dissemination of information to vulnerable populations in remote areas. In addition, USAID/OFDA and NOAA are working with national and non-governmental organization (NGO) partners to pilot the Radio and Internet for the Communication of Hydrometeorological and Climate Related Information (RANET) project in countries in Asia. RANET provides access to and strengthens the use of hydrometeorological information by communities in day-to-day decision making to reduce vulnerability to natural hazards. Support for AFN continued through September 2010. To date, USAID/OFDA has provided a total of \$3,179,927 for the program. **FY 2010: \$450,000**
- Volcano Disaster Assistance Project (VDAP): The USAID/OFDA-funded VDAP program, implemented by USGS, provides technical assistance to national volcano monitoring organizations, including training in hazard assessment, development of early warning plans, and installation and updating of volcano monitoring equipment. In Asia, VDAP assists the Philippines Institute of Volcanology and Seismology (PHILVOLCS), the Center of Volcanology and Geological Hazard Mitigation (CVGHM) in Indonesia, and the Port Moresby Geophysical Observatory and Rabaul Volcano Observatory (RVO) in Papua New Guinea. In FY 2010, VDAP monitored Mayon volcano unrest in the Philippines using remotely-sensed data, provided analyses of the data, and consulted with PHIVOLCS regarding the seismic unrest and eruption, which resulted in the evacuation of more than 40,000 people. In Indonesia, a VDAP technical assistance team worked with CVGHM counterparts to complete network construction in North Sulawesi, begin new monitoring network installations in Java, and conduct training in seismic interpretation to inform eruption forecasting. VDAP also organized a remote sensing and geographic information system (GIS) hazard modeling workshop, hosted by the Earth Observatory of Singapore in March 2010. During the workshop, CVGHM, PHIVOLCS, and RVO participants learned methods to better detect, track, and forecast volcanic events and hazards. In August 2010, Mt. Sinabung volcano in Indonesia began erupting after about 400 years of dormancy, resulting in the evacuation of approximately 30,000 people. In response, VDAP donated seismic equipment to CVGHM, provided analysis of remotely-sensed data, and advised CVGHM, USAID/OFDA, and the U.S. Embassy in Jakarta regarding eruption forecasts and potential impacts. In September, VDAP hosted CVGHM technicians at the USGS Cascades Volcano Observatory for an intensive two-week workshop on the construction of seismic monitoring equipment. In Asia, USAID/OFDA has provided a total of \$4,635,000 to date to support VDAP..... **FY 2010: \$394,090**
- Association of Southeast Asian Nations (ASEAN) Technical Assistance and Training Facility: USAID/OFDA, through USAID's Regional Development Mission for Asia and in partnership with the U.S. Department of State (State), is supporting joint USG and ASEAN efforts to enhance disaster early warning capabilities among ASEAN member countries through the ASEAN Technical Assistance and Training Facility. With USAID and State funding, the facility is providing technical support to the ASEAN Committee on Disaster Management Task Force and working to support the development of the ASEAN Center for Humanitarian Assistance and Disaster Relief (AHA Center). The program also supports the appointment of a regional expert to coordinate disaster management

- assistance. In FY 2010, USAID/OFDA provided \$250,000 for the Nathan Associates Inc.-led ASEAN Technical Assistance and Training Facility. **FY 2010: \$250,000**
- Incident Command System (ICS) Training for South Asia: Since the mid-1980s, USAID/OFDA has utilized technical expertise from the U.S. Forest Service (USFS) to institutionalize systems for disaster response and to implement disaster management capacity building programs internationally. With funding from USAID/OFDA, the USFS is conducting two training workshops on basic/intermediate ICS training and integrated planning. The USFS will offer these workshops in partnership with the South Asian Association for Regional Cooperation Disaster Management Center. **FY 2010: \$200,000**
 - ICS Training for ASEAN Region: In 2003, the USFS began working with the ASEAN to build capacity for disaster response with the region under the ASEAN-U.S. Disaster Management Cooperation Program. Phase 1 of the program introduced the ICS to the region through ICS training and a study tour of the United States. The USFS also worked with the ASEAN Committee on Disaster Management (ACDM) to determine an appropriate model to facilitate regional disaster response and resource sharing. Under Phase 2 of the ICS training program in the ASEAN region, regional training activities will continue, including basic/intermediate ICS courses and the development of on-line ICS training modules. **FY 2010: \$350,000**

SOUTH ASIA PROGRAMS

- Flash Flood Risk Reduction: Strengthening Capacity in the Hindu Kush-Himalayas: In the Hindu Kush-Himalaya region, including China, India, Nepal, Pakistan, and other countries, flooding threatens lives and constrains socio-economic development in agriculture, infrastructure, and industrial production. Reliable and timely flood forecasting and warning minimize the negative impacts of floods by reducing the loss of lives and property. In partnership with ICIMOD, USAID/OFDA has implemented activities to build and strengthen the capacity of communities, community organizations, and national partners to reduce the risk of flash flooding. The project aims to increase understanding of the physical and socioeconomic dimension of flash floods in the target areas, enhance and encourage transboundary coordination, and share lessons learned in the Himalaya region. Since 2006, USAID/OFDA has contributed \$664,089 to date for the program, which will continue through September 2011.
- Livelihood Assets and Strategies Research: With funding from USAID/OFDA, the Feinstein International Center at Tufts University is conducting field-based and desk research on the impacts of crises on livelihood assets and strategies in Haiti, Nepal, and Kenya. The outputs of this research will include case studies, publications, programming tools, and analyses that identify the impacts, costs, and benefits of DRR interventions; the effectiveness of integrated and stand-alone approaches; the underlying causes of risks in contexts where agencies are already responding to humanitarian emergencies; appropriate sequencing and targeting of DRR approaches; and how best to link long-standing programs to DRR objectives and outcomes. In FY 2009, USAID/OFDA provided more than \$1.1 million to cover research in all three nations. The program is scheduled to conclude in 2012.
- Drought Preparedness in India and Pakistan: Beginning in June 2006, Catholic Relief Services (CRS) implemented a project to ensure that communities in Rajasthan, India, and Sindh, Pakistan, are drought resilient. The project benefitted nearly 14,000 people in Sindh and 60,000 people in Rajasthan. Through this program, drought-vulnerable communities were better able to harvest and store rainwater for increased domestic and agricultural use throughout the year, adopted water-efficient agricultural practices, utilized improved land-use techniques for agriculture and livestock, and engaged with local government and other actors to improve resilience to drought. Completed in December 2009, USAID/OFDA provided a total of \$779,926 to support the program.
- Building NGO Capacity in Program Coordination and Management in Pakistan: Delivering sector-targeted workshops and support focused on cluster coordination, security management, and humanitarian practice, this program aims to build capacity among humanitarian aid organization staff. Through this program, which runs through January 31, 2011, Red-R/U.K. plans to counterbalance the high turnover of staff and the speed at which coordination needs of programs and changes to the security needs of aid workers occur. **FY 2010: \$872,553**
- Private Sector Partnerships for Disaster Assistance in India: USAID/OFDA is supporting Project Concern International (PCI) to increase private sector participation in disaster mitigation, preparedness, and response in India, focusing on 20 districts in Bihar, the poorest and most flood-prone state in India. The PCI project is training representatives from large private sector firms, universities, national and state government agencies, and local NGOs in disaster risk management. The project began in September 2008 and will continue through March 2011. To date, USAID/OFDA has provided \$499,281 for the project. **FY 2010: \$199,281**

- Emergency Flood Preparedness in Bangladesh: Save the Children/U.S. (SC/US), World Vision, and lead agency CARE formed the Emergency Working Group of Cooperative Sponsors (EWG) to improve emergency response to floods in Bangladesh. The EWG works to reduce the incidence of health problems associated with a disaster, particularly waterborne diseases. With support from USAID/OFDA, the EWG promotes coordination between communities and local authorities. In addition, the EWG maintains and operates mobile water purification plants, zodiac boats, and a mobile health unit. In FY 2010, USAID/OFDA provided additional support for the maintenance of mobile water purification units, water ambulances, and zodiac boats. These commodities were prepositioned in the most vulnerable areas of Bangladesh and used to respond to cyclones Sidr and Aila. Total USAID/OFDA funding for the project is \$477,663. **FY 2010: \$53,000**
- Kathmandu Valley Earthquake Risk Management Project: NSET coordinates the long-term earthquake risk reduction plan for the Kathmandu Valley and works with the Government of Nepal, NGOs, schools, and local communities to increase earthquake awareness and preparedness. The project supports school earthquake resistance retrofitting, earthquake awareness and preparedness activities, and mason training programs, among other activities. The program is now complemented by funding from the World Bank to continue to address school retrofitting and mason training. Supported by USAID/OFDA, the project began in September 2000 and continued through August 2010. USAID/OFDA funding to date totals \$1,413,705.
- Promoting Community-based Preparedness in Nepal: In FY 2009, USAID/OFDA supported SC/US to enhance community capacity in disaster preparedness and response to support vulnerable communities in 16 of the most disaster-prone districts across the country. The project supports district authorities and affected communities with prepositioned emergency relief supplies, assistance in the development of district level disaster preparedness planning, small-scale infrastructural mitigation projects, and water, sanitation, and hygiene programs. The district level plans form part of the overall National Strategy for Disaster Risk Management Plan, adopted by the Government of Nepal in November 2009. USAID/OFDA funding to date is \$725,000 for this project, which continues through February 2011.
- ICS Capacity Building for Disaster Management in Bhutan: With funding from USAID/OFDA, the USFS is conducting two training workshops on basic/intermediate ICS training and integrated planning. The USFS will work in partnership with the Government of Bhutan to conduct the workshops..... **FY 2010: \$150,000**
- ICS for India: Since 2002, the USFS's Disaster Mitigation Program has worked closely with the Government of India to integrate the ICS into the disaster response system of India. The program includes training of trainers, pilot implementation in selected areas, and a method for institutionalizing the system. With funding from USAID/OFDA, the USFS continues to strengthen the ICS in India. **FY 2010: \$350,000**

EAST ASIA AND PACIFIC PROGRAMS

- Civil Society Capacity for DRR in Burma: USAID/OFDA is supporting SC/US to strengthen the capacity of civil society groups across Burma, and prepare for and respond to potential disasters. With this funding, USAID/OFDA is supporting the innovative Disaster Response and Resilience Learning Project, which SC/US established after Cyclone Nargis made landfall in Burma in May 2008. This multi-agency capacity building initiative is designed to increase understanding of disaster management and humanitarian practices among civil society groups, including national and international NGOs operating in Burma. This program targets 1,320 individuals directly and 3,000 indirectly in a total of 17 townships, including eight townships of Nargis-affected Irrawaddy Division. This project is scheduled to run through December 2011..... **FY 2010: \$234,250**
- Promoting Private Sector Disaster Assistance in China: Since 2006, USAID/OFDA has supported TAF to enhance private sector participation in disaster assistance and to promote multi-sectoral approaches to disaster management in China. Under the Public Private Partnerships for Disaster Management Project, TAF has supported public and private stakeholders in the Gaohetang and Xue Yuan communities to develop participatory, multi-sectoral, and community-driven models for disaster management. Through this project, TAF is cooperating with Chinese business associations, the China Charity Federation, and the Government of China Ministry of Civil Affairs (MoCA), as well as the American Chamber of Commerce in China. To date, the experiences of these two pilot communities have been replicated in more than 80 communities in Ningbo, Zhejiang Province, and the MoCA, which has a lead role in disaster management in China, has named the two communities as national models for China. This project began in October 2006 and will continue through January 2011. USAID/OFDA has provided \$1,568,217 to date for this program. **FY 2010: \$450,000**

- Improving Leadership and Coordination of Disaster Management in China: USAID/OFDA is supporting TAF to support and develop the capacity of the National Institute of Emergency Management (NIEM) of the China National Administrative School (CNSA), a new institute that has been designated as the national center for disaster management training, policy research, and consultancy. This two-year program, which USAID/OFDA began funding in FY 2010, will use an integrated series of strategic planning, experience sharing, training design, pilot training delivery, and comparative research activities to build CNSA/NIEM and ultimately broader Chinese capabilities to manage disasters. **FY 2010: \$960,000**
- Earthquake Recovery and Rural Housing Rehabilitation in Sichuan, China: USAID/OFDA is also supporting TAF to promote safe rehabilitation of rural shelters and to improve disaster preparedness and mitigation in schools and communities in earthquake-affected areas of Sichuan Province, benefiting approximately 1.1 million individuals. In cooperation with MOCA, TAF is implementing the program from September 2008 through June 2011. As of September 2010, the program had trained more than 100 teachers how to effectively disseminate risk reduction knowledge and skills to students and developed teacher and student handbooks for distribution to more than 1,140 elementary and middle schools, with a total student population of more than 1.5 million students. USAID/OFDA has provided \$1,200,000 for the project to date.
- Disaster Risk Reduction in China: USAID/OFDA is supporting USGS to promote mitigation activities related to earthquakes and landslides issues in response to the May 12, 2008, magnitude 7.9 earthquake in Sichuan, China. USGS is partnering with the China Earthquake Administration and the China Geological Survey on this project. The program was designed to improve China’s ability to conduct probability forecasts for aftershocks following large earthquakes by developing China’s capacity to conduct real-time monitoring and notification of major earthquakes to provide appropriate responses, assessing the current and future risk of earthquake-induced landslides, and exchanging technical expertise for the implementation of a modern approach to seismic hazard maps for China. Between March 2009 and 2010, the USGS successfully installed a real-time earthquake aftershock forecast system at the China Earthquake Network Center in Beijing. Through this program, the China Earthquake Administration and China Geological Survey are also receiving training on landslide hazards and the use of USGS earthquake notices. Since the two-year program began in FY 2009, USAID/OFDA has provided \$278,800 in support. **FY 2010: \$147,543**
- Climate Adaption and Disaster Resilience (CADRE) Annual Program Statement (APS): USAID/Indonesia, with financial support from USAID/OFDA, awarded an APS to Mercy Corps to establish a DRR and climate change adaptation program among vulnerable populations in Indonesia. Indonesia is situated in one of the most active disaster areas in the world, where earthquakes, tsunamis, volcanic eruptions, floods, landslides, droughts, and forest fires frequently occur. This program will fund projects which reduce exposure and vulnerability to disasters and climate change, and increase community resilience; improve knowledge, innovation, and education to build a culture of safety and resilience; and strengthen policy, institutional capacity, and consensus for disaster management and climate adaptation. **FY 2010: \$500,000**
- Promoting Private Sector Role in DRR in Indonesia: Mercy Corps is implementing a project with USAID/OFDA funding to better prepare communities, local governments, and private sector actors in West Sumatra and Bengkulu provinces to collaborate to mitigate and respond to natural disasters. Mercy Corps has established two district-level working groups focusing on disaster preparedness. In addition, Mercy Corps is carrying out participatory hazard mapping and preparedness surveys and conducting activities to raise awareness in local schools and communities. The program began in September 2008 and continued through December 2010. USAID/OFDA has provided \$494,804 to date to this program.
- Geological Hazard Monitoring in Indonesia: In recognition of Indonesia’s vulnerability to geological hazards, in FY 2010, USAID/OFDA provided funding through USAID/Indonesia to enable Government of Indonesia geologists to acquire geophysical equipment to improve geohazard monitoring. **FY 2010: \$121,480**
- Conflict Preparedness Program in Mindanao, the Philippines: Implemented by SC/Philippines, the first phase of this initiative supported disaster preparedness activities in response to new internal displacement and provided prompt humanitarian access to these populations in the conflict-affected areas of western Mindanao. The program supports an emergency response network of local NGOs and community-based groups to implement preparedness and relief activities, provide small grants to local NGOs, and create small stockpiles of locally procured relief items for emergencies. The second phase of this initiative supports returning internally displaced persons through livelihood interventions using seeds and tools, basic fishing equipment, and other assistance. The program also supported community activities to ensure sustainable potable water resources. USAID/OFDA provided \$1,873,459 to fund this program through August 2010.

- School-based and Community Awareness of Disaster Preparation in the Philippines: USAID/OFDA provided funding to SC/Philippines to better engage schools, communities, and local government units in disaster risk reduction activities in the Bicol region, which is highly vulnerable to volcanoes and typhoons. SC/Philippines is providing training to local government units and teachers in disaster preparedness, while conducting preparedness activities focused on children. USAID/OFDA provided a total of \$164,821 to fund this program through June 2010.
- ICS in the Philippines: USAID/OFDA has provided funding to the USFS to conduct training on ICS in the Philippines. **FY 2010: \$150,000**
- ICS Pilot in Thailand: During Phase 1 of the ASEAN-US Disaster Management Cooperation Program, an ICS Task Force was developed to adapt ICS elements into regional disaster management systems. During Phase 2 of the program, pilot country activities in Thailand will include training Thailand’s Department of Disaster Prevention and Mitigation (DDPM) Training-of-Trainers (TOT) cadre in various components of ICS, as well as technical assistance to DDPM in the adaptation of course materials and the incorporation of ICS into the Thai disaster management system. **FY 2010: \$310,000**
- Earthquake and Landslide Technical Assistance to Indonesia: Following a magnitude 7.6 earthquake in Padang, Indonesia, on September 30, 2009, a USGS Earthquake Disaster Assistance Team (EDAT) traveled to the area to provide technical assistance to the Indonesian Meteorological, Climatological, and Geophysical Agency (BMKG) in response to a Government of Indonesia request. EDAT provided the BMKG with technical assistance in assessing the earthquake and landslide damage in and around Padang and the geological factors that attributed to the damage, as well methods to improve earthquake hazard mitigation. USAID/OFDA funding supports salaries for two scientists, travel costs, and equipment for field reconnaissance. **FY 2010: \$32,927**
- Samoa Tsunami Relief Program: Following a magnitude 8.0 earthquake beneath the South Pacific Ocean in September 2009, a tsunami struck the south and eastern coast of Upolu Island in Samoa, killing more than 140 people and displacing approximately 35,000 others. Following the tsunami, officials in Samoa noted concerns regarding the existing tsunami warning system in Samoa, as communities provided information on risks on an ad hoc basis through cell phones, word of mouth, and ringing church bells. To improve tsunami early warning, USAID/OFDA supported Samaritan’s Purse to install and conduct training on warning devices in collaboration with the U.S. Embassy and the Samoan National Disaster Management Office (NDMO), and to provide basic training on tsunami awareness and alerts in 150 villages. Training reached more than 360 people, including members of the Samoa NDMO. The new tsunami early warning system is expected to benefit more than 164,000 people. **FY 2010: \$8,013**
- Pre-positioning of Emergency Relief Commodities: In July 2010, USAID/OFDA, through USAID’s Regional Development Mission for Asia, provided funding to the International Organization for Migration (IOM). With this support, IOM plans to pre-position emergency relief commodities throughout FSM and RMI. Supplies include hygiene kits, medical equipment, and shelter supplies, among others. **FY 2010: \$938,200**

INTEGRATED DISASTER RESPONSE AND DRR PROGRAMS

In addition to stand-alone DRR programs implemented in anticipation of future emergencies, in the wake of a disaster, USAID/OFDA continues to implement programs in accordance with regional DRR strategies by incorporating risk reduction techniques into a broad range of sectoral interventions to protect more people during subsequent crises. For example, USAID/OFDA ensures that transitional shelters provided to residents of earthquake-prone areas like Pakistan are seismically resistant, while transitional shelters in tropical storm zones can withstand winds up to the force of a Category One hurricane. In response to the complex emergency in Sri Lanka, in FY 2010, USAID/OFDA funded hygiene promotion programs that not only improved hygiene practices in displacement camps, but also imparted on beneficiaries skills that will protect them against communicable disease transmission in disaster situations throughout their lives. USAID/OFDA supported integrated response and DRR programs to alleviate suffering after five disasters in FY 2010: an earthquake in Indonesia, a tropical storm in the Philippines, floods in Pakistan, and complex emergencies in Pakistan and Sri Lanka. **FY 2010: \$15,420,269**

USAID/OFDA FY 2010 DRR Assistance for Asia–Pacific by Sector

<i>Implementing Partner</i>	<i>Project</i>	<i>Location</i>	<i>Theme</i>	<i>FY 2010 Funding¹</i>	<i>Cumulative Funding for Ongoing Projects²</i>
ADPC	PROMISE	Bangladesh, Indonesia, Pakistan, Philippines, Sri Lanka, Vietnam	Hydrometeorological Risk Reduction	-	\$2,221,916
ADPC and NSET	PEER	Cambodia, Bangladesh, India, Indonesia, Laos, Nepal, Pakistan, Philippines, Vietnam	Disaster Preparedness, Response, and Management	\$1,700,000	\$14,286,203
CARE, SC/US, World Vision	Bangladesh Emergency Flood Preparedness	Bangladesh	Flood Preparedness, Forecasting, and Management	\$53,000	\$477,663
CRS	Drought Preparedness in India and Pakistan	India, Pakistan	Drought Preparedness	-	\$779,926
ICIMOD	Flash Floods Capacity Building	Bhutan, Burma, China, India, Nepal, Pakistan	Hydrometeorological Risk Reduction	-	\$664,089
IOM	Pre-positioning of Emergency Relief Commodities	FSM, RMI	Disaster Preparedness, Response, and Management	\$938,200	\$938,200
Mercy Corps	Private Sector Disaster Assistance in Indonesia	Indonesia	Disaster Preparedness, Response, and Management	-	\$494,804
Mercy Corps	CADRE APS	Indonesia	Risk Reduction	\$500,000	\$500,000
Nathan Associates, Inc.	ASEAN Technical Assistance and Training Facility	Brunei, Cambodia, Indonesia, Laos, Malaysia, Burma, Philippines, Singapore, Thailand, Vietnam	Disaster Preparedness, Response, and Management	\$250,000	\$250,000
NSET	Kathmandu Valley Earthquake Preparedness	Nepal	Earthquake Safety	-	\$1,413,705
PCI	Private Sector Partnerships in India	India	Disaster Preparedness, Response, and Management	\$199,281	\$499,281
Red-R/UK	Building NGO Capacity in Program Coordination and Management	Pakistan	Disaster Preparedness, Response, and Management	\$872,553	\$872,553
Samaritan's Purse	Tsunami Relief Program	Samoa	Tsunami/Coast Hazards Warning System	\$8,013	\$8,013
SC/Philippines	Philippines Conflict Preparedness	Philippines	Conflict Preparedness	-	\$1,873,459
SC/Philippines	School-based and Community Preparedness in the Philippines	Philippines	Disaster Preparedness, Response, and Management	-	\$164,821
SC/US	Civil Society Capacity for DRR	Burma	Disaster Preparedness, Response, and Management	\$234,250	\$234,250
SC/US	Capacity Building for Disaster Preparedness and Response in Nepal	Nepal	Disaster Preparedness, Response, and Management	-	\$725,000
TAF	Earthquake Recovery and Preparedness in China	China	Earthquake Safety	-	\$1,200,000

TAF	Leadership in China	China	Disaster Preparedness, Response, and Management	\$960,000	\$960,000
TAF	PDMRP-2	Cook Islands, Fiji, Kiribati, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu, FSM, RMI	Disaster Preparedness, Response, and Management	\$750,000	\$750,000
TAF	Private Sector Disaster Assistance in China	China	Disaster Preparedness, Response, and Management	\$450,000	\$1,568,217
Tufts University Feinstein International Center	Livelihood Assets and Strategies Research	Nepal	Risk Reduction	-	\$1,133,197
USAID/Indonesia	Hazard Monitoring in Indonesia	Indonesia	Geohazard Monitoring	\$121,480	\$121,480
USFS	ICS	Brunei, Cambodia, Indonesia, Laos, Malaysia, Burma, Philippines, Singapore, Thailand, Vietnam	Disaster Preparedness, Response, and Management	\$350,000	\$350,000
USFS	ICS	Bhutan	Disaster Preparedness, Response, and Management	\$150,000	\$150,000
USFS	ICS	Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka	Disaster Preparedness, Response, and Management	\$200,000	\$200,000
USFS	ICS	Thailand	Disaster Preparedness, Response, and Management	\$310,000	\$310,000
USFS	ICS	Philippines	Disaster Preparedness, Response, and Management	\$150,000	\$150,000
USFS	ICS	India	Disaster Preparedness, Response, and Management	\$350,000	\$350,000
USGS	AFN	Bangladesh, Bhutan, Burma, Cambodia, China, India, Laos, Nepal, Pakistan, Thailand, Vietnam	Flood Preparedness, Forecasting, and Management	\$450,000	\$3,179,927
USGS	Disaster Risk Reduction in China	China	Earthquake Safety	\$147,543	\$278,800
USGS	Earthquake and Landslide Technical Assistance	Indonesia	Earthquake Safety	\$32,927	\$32,927
USGS	VDAP	Indonesia, Philippines, Papua New Guinea	Volcano Monitoring	\$394,090	\$4,669,090
Various	Integrated DRR and Response	Indonesia, Philippines, Pakistan, Sri Lanka	Integrated DRR and Response	\$15,420,269	\$15,420,269
USAID/OFDA DRR ASSISTANCE IN ASIA AND THE PACIFIC				\$24,991,606	\$57,227,790

¹ USAID/OFDA funding represents obligated amounts as of September 30, 2010.

² The total does not include completed activities funded in previous fiscal years.