

Dispatch of TEC-FORCE and other experts to disaster sites and technical support activities

1. Introduction

The recent localization, concentration, and intensification of natural impacts have already been recognized and activities to minimize damage by combining structural and non-structural measures have been increasingly promoted. As one of the effective means in such measures, the Ministry of Land, Infrastructure, Transport and Tourism ("MLIT") founded Technical Emergency Control Force ("TEC-FORCE") in 2008 and has been accumulating activities for prevention of occurrence / expansion of damage, early recovery of affected areas, etc.

2. TEC-FORCE and other activities by NILIM

TEC-FORCE installed in the NILIM functions as "High Technology Guidance Team" based on the knowledge etc. accumulated through daily studies, etc.,

covering mainly events and damages that are complicated or difficult to determine. Main roles of TEC-FORCE include advice based on high-level determination for preventing secondary disasters in addition to damage investigation and safety assessment of facilities.

In the September 2015 Kanto-Tohoku Heavy Rain, we dispatched experts of the fields related to damage to the sites of debris flow, damaged roads, etc. including the damaged site in Kinugawa.

In addition to activities as TEC-FORCE, we are continuing technical support activities by dispatching experts promptly in response to requests from local governments, Regional Development Bureaus, etc. in the affected areas. We also conduct independent surveys actively and activities to improve technical capability for disaster prevention / mitigation.

Table: FY2015 Dispatch of Experts (as of January 2016)

Disaster	Date of dispatch	Location	Purpose of dispatch	Section
Nepal Reconstruction Assistance Survey	May 20 - July 15	Nepal	Request from the Japan International Cooperation Agency	KANEKO Hiroshi, Director Urban Planning Department SHINKAI Hirosuke, Head Urban Facilities Division, Urban Planning Department
Seasonal rain front etc. continuing from June 10	June 19	Yoshino-cho, Kagoshima-shi, Kagoshima	Request from Kyushu Regional Development Bureau	TANIGAWA Seiji, Senior Researcher Pavement and Earthworks Division, Road Structures Department
	June 30 - July 1	Tarumizu-shi, Kagoshima In the site of Futagawa-fukaminato	Request from Kagoshima-ken	KUNITOMO Masaru, Head SUZUKI Yamato, Researcher Sabo Risk-Management Division, Sabo Department
Typhoon No. 12	July 24	Anan-shi, Tokushima	Independent survey	HATTORI Atsushi, Head MORI Hirotooshi, Senior researcher SASAOKA Shingo, Researcher River Division, River Department YAMAMOTO Akira, Senior Researcher Flood Disaster Prevention Division, River Department
Heavy rain by Typhoon No. 12, etc.	July 28	Daisen-shi, Akita-ken In the site of Shimizuazakanabumi	Request from Akita-ken	HATTORI Atsushi, Head MORI Hirotooshi, Senior researcher SASAOKA Shingo, Researcher River Division, River Department
Heavy rain by Typhoons No. 17 and No. 18 September 2015 Kanto-Tohoku Heavy Rain)	Sep. 11	Joso-shi, Ibaraki-ken	TEC-FORCE	HATTORI Atsushi, Head MORI Hirotooshi, Senior researcher SASAOKA Shingo, Researcher River Division, River Department
	Sep. 12	Joso-shi, Ibaraki-ken	Independent survey	HATTORI Atsushi, Head MORI Hirotooshi, Senior researcher YAMAMOTO Yoko, Senior

				Researcher NAKAMURA Kento, Researcher River Division, River Department
	Sep. 14 - Sep. 18	Joso-shi, Ibaraki-ken	Independent survey	SUZUKI Hiroyuki, Researcher SASAOKA Shingo, Researcher SUZUKI Atsushi, Researcher TAKENAKA Hiroshi, Researcher River Division, River Department
	Sep. 15	Joso-shi, Ibaraki (Kamimisaka site, Wakamiyato site)	Independent survey	YAMAMOTO Yoko, Senior Researcher River Division, River Department INOMATA Hironori, Researcher OTANI Amane, Researcher Water Cycle Division, River Department YAMAMOTO Akira, Senior Researcher HOSODA Satoshi, Researcher YUASA Naomi, Researcher Flood Disaster Prevention Division, River Department
	Sep. 15	Yunishigawa, Nikko-shi, Tochigi-ken	Request from Tochigi-ken	YABU Masayuki, Head TANIGAWA Seiji, Senior Researcher ENOMOTO Tadao, Researcher Pavement and Earthworks Division, Road Structures Department
	Sep. 16	Joso-shi, Ibaraki	Independent survey	ITO Hiroyuki, Head YAMAMOTO Akira, Senior Researcher YUASA Naomi, Researcher Flood Disaster Prevention Division, River Department OKUTA Yasuo, Research Coordinator for Disaster Mitigation of Building Building Department NAKAGAWA Takafumi, Senior Researcher Material and Component Standards Division, Building Department
	Sep. 15 - Sep. 16	Serizawa area, Nikko-shi, Tochigi	Request from the Kanto Regional Development Bureau	SAKURAI Wataru, Head Sabo Planning Division, Sabo Department MATSUSHITA Kazuki, Senior Researcher Sabo Risk-Management Division, Sabo Department
	Sep. 16	In the site of Furukawanishiarai, Osaki-shi, Miyagi	Request from Miyagi-ken	HATTORI Atsushi, Head River Division, River Department
	Sep. 29	Usukubo, Tsugamachi, Tochigi-shi, Tochigi Kawaji Onsen Kawaji, Kobyaku, Nikko-shi, Tochigi	Request from Tochigi-ken	YABU Masayuki, Head AZUMA Takuo, Researcher Pavement and Earthworks Division, Road Structures Department
	Oct. 8	Bando-shi, Ibaraki	Request from Ibaraki-ken	HATTORI Atsushi, Head MORI Hirotohi, Senior researcher SASAOKA Shingo, Researcher River Division, River Department
Chile Earthquake / Tsunami disaster	Sep. 20 - Sep. 27	Chile (Coastal area from Coquimbo to Valparaiso)	National Research and Development Agency Port and Airport Research Institute	HONDA Kazuhiko, Senior Researcher Coastal Disaster Prevention Division, Coastal, Marine and Disaster Prevention Department
Typhoon No. 23	Oct. 13 -	Nemuro-shi, Hokkaido	Independent survey	ASAI Tadashi, Head

	Oct. 14			NAITO Ryuji, Senior Researcher Coastal Disaster Prevention Division, Coastal, Marine and Disaster Prevention Department
	Oct. 17	Oozora-cho, Hokkaido	Request from Hokkaido	HATTORI Atsushi, Head MORI Hirotohi, Senior researcher SASAKA Shingo, Researcher River Division, River Department
Sediment Disaster at Koumi-cho, Minami-Saku-gun, Nagano	Dec. 3	Saku-gun, Nagano	Request from Nagano-ken	MATSUSHITA Kazuki, Senior Researcher Sabo Risk-Management Division, Sabo Department
Fall of mortar pieces from Matsuoka Tunnel at the Hirooka site on National Highway No. 410	Dec. 24	Kimitsu-shi, Chiba	Request from Chiba-ken	MASHIMO Hideto, Director Road Structures Department MABUCHI Toshiaki, Head INAMOTO Yoshimasa, Senior Researcher Foundation, Tunnel and Substructures Division, Road Structures Department
Pier subsidence at Yura Area, Matsuyama Port, Ehime	Jan. 12	Matsuyama-shi, Ehime	Request from Ehime-ken	FUJII Atsushi, Research Coordinator for Advanced Port Technology Port and Harbor Department

* Only the emergency response immediately after the disaster is listed by omitting technical support, etc. provided continuously after the disaster for emergency / full-scale recovery.

* In the column of dispatched persons, only the relevant personnel of the NILIM are listed (Section and position are at the time of dispatch)