

**ECONOMIC AND SOCIAL COMMISSION
FOR ASIA AND THE PACIFIC (ESCAP)
AND
WORLD METEOROLOGICAL ORGANIZATION
(WMO)**

FOR PARTICIPANTS ONLY

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31 January 2013

ENGLISH ONLY

ESCAP/WMO Typhoon Committee

Forty-fifth Session

29 January – 01 February 2013

Hong Kong, China

IN-KIND CONTRIBUTION FROM TYPHOON COMMITTEE MEMBERS

(Item 14 of Provisional Agenda – Support required for the Committee's Programme)

(Submitted by Typhoon Committee Secretariat)

ACTION REQUIRED:

This Committee is invited the Members to:

Take note of the In-kind contributions from the Members

APPENDIX:

Summary and List of In-kind Contribution from Typhoon Committee Members

IN-KIND CONTRIBUTION FROM TYPHOON COMMITTEE MEMBERS FOR 2012

MEMBER	VALUE ASSIGNED (USD)
CHINA	213,000.00
HONG KONG, CHINA	51,506.50
JAPAN	8,150.00
MACAO, CHINA	2,837.50
THE PHILIPPINES	2,660.52
REPUBLIC OF KOREA	203,855.00
THAILAND	3,082.00
TOTAL	485,091.52

TCTF BUDGET ITEM/OTHERS	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	Comments
China			
Forty-fourth Session of Typhoon Committee	<ul style="list-style-type: none"> Organizing and hosting the 44th Session of Typhoon Committee 	70,000.00	6-11 February 2012, Hangzhou, China
Publication (Tropical Cyclone Research and Review)	<ul style="list-style-type: none"> Online submission system 	3,500.00	
	<ul style="list-style-type: none"> Printing expense 	14,000.00	
	<ul style="list-style-type: none"> Send by post 	12,500.00	
WMO typhoon landfall forecast demonstration project training workshop on tropical cyclone forecasting	<ul style="list-style-type: none"> Support and organization of the training workshop 	5,500.00	12-14 June 2012 in Shanghai, China
Urban Flood Risk Management Activities	<ul style="list-style-type: none"> Organizing and hosting the UFRM Training Course of the Typhoon Committee for UFRM pilot cities by providing the lecturers, logistical staff and funding support 	7,500.00	24-26 September 2012, Guangzhou, China
7 th Integrated Workshop	<ul style="list-style-type: none"> Support and hosting the 7th Integrated Workshop 	48,500.00	26-30 November in Nanjing, China
Roving Seminar and Training Activities	<ul style="list-style-type: none"> Sponsor training Courses at WMO RTC Nanjing and hosting the WMO Tropical Cyclone International Workshop 	50,000.00	Details attached
Implementation of WGDRR pilot project	<ul style="list-style-type: none"> Benefit Evaluation of Typhoon Disaster Risk Reduction 	1,500.00	Preparing phase
TOTAL		213,000.00	

TCTF BUDGET ITEM/OTHERS	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	Comments
Hong Kong, China			
ITEM 4 Roving Seminar and Training Activities	<ul style="list-style-type: none"> Served as lecturer in the Roving Seminar 	3,115.00	Five working days by a Scientific Officer. Travel and subsistence allowance funded by TCTF
ITEM 6. Assessment of Impact of climate change on tropical cyclones	<ul style="list-style-type: none"> Served as expert team member for the 2nd assessment of impact of climate change on tropical cyclones in the Typhoon Committee region 	12,300.00	12 working days by a Senior Scientific Officer. Participated in the compilation of the 2nd assessment report and two journal papers for TCRR based on the assessment results.
	<ul style="list-style-type: none"> Presented the key findings of the 2nd assessment of impact of climate change on tropical cyclones during the 44th Session in Hangzhou 	2,050.00	2 working days by a Senior Scientific Officer. Travel and subsistence funded by TCTF.
ITEM 9. QPE/QPF for UFRM	<ul style="list-style-type: none"> Offered one fellowship to Typhoon Committee Research Fellowship 2012. Provided in-depth QPE/QPF training to the trainees from MMD and PAGASA 	14,054.00	HKD40,000 as fellowship and 7 working days by a Scientific Officer and 13 working days by an Experimental Officer
ITEM 11. Publication of Tropical Cyclone Research and Review	<ul style="list-style-type: none"> Served as associated editor for the new Tropical Cyclone Research and Review Journal 	512.50	One paper reviewed by a Senior Scientific Officer. 0.5 working day spent.
Taskforce on TC Intensity Analysis for Upgrading TD	<ul style="list-style-type: none"> Served as leader of the taskforce 	10,250.00	10 working days by a Senior Scientific Officer spent in coordinating and carrying out the activities of the taskforce.
ITEM 18 Community Based Weather Station Pilot Project	<ul style="list-style-type: none"> Visited the Philippines and Guam to install two community automatic weather stations and provided training on their operation 	6,150.00	Six working days by a Senior Scientific Officer. Travel and subsistence allowance funded by TCTF
ITEM 23 Support to attend IWS and other activities	<ul style="list-style-type: none"> Served as lecturer in the keynote presentation on the topic of Common Alerting Protocol 	3,075.00	Three working days by a Senior Scientific Officer. Travel and subsistence funded by TCTF.
	TOTAL	51,506.50	

TCTF BUDGET ITEM/OTHERS	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	Comments	
Japan				
Storm Surge Watch Scheme	• Development of storm surge model for Asian area (especially development of a system providing time series charts for locations, and harmonic analysis of tide observation data for estimated astronomical tides).		Personnel Cost (month/yr)	
			7	The personal cost includes time spent on development of storm surge models for both national use and TC Members, since it is inherently difficult to count it separately.
WGM AOP Objective No.6: Development of regional radar network (Training Course on radar composite map for TMD experts)	• Lecture on radar composite map, provision of application program		3	
Tropical Cyclone Ensemble Forecast Information Website	• Maintenance of server machine		0.5	
Field survey for establishment of Flood Disaster Preparedness Indices(FDPI)	• Mr. Nakasu went to Thailand and Vietnam for FDPI survey.	5,000.00		FDPI surveys in Thailand and Vietnam
Tropical Cyclone Ensemble Forecast Information Website	• Maintenance of server machine		0.5	
Support for attachment of two(2) forecasters to RSMC Tokyo - Typhoon Center	• Preparation and Attachment Training at the RSMC Tokyo	150.00	4	
RSMC Tokyo Activities	• Publication of "Annual Report on the Activities of the RSMC Tokyo - Typhoon Center"	3,000.00	2	
	• Publication of "Technical Review"		2	
	• Development and maintenance of the JMA Numerical Typhoon Prediction (NTP) website		4	
	• Update of TOM		1	
	TOTAL	8,150.00	24	

TCTF BUDGET ITEM/OTHERS	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	Comments
Macao, China			
Workshop on Application of Space Technology to Enhance the Activities of Typhoon Committee	• Venue setting, logistic arrangement, catering & souvenirs	1,587.50	
	• Welcome Dinner	1,250.00	
	• Labor (LOC)	-	No. of supporting staff: 4
	• Local Tour (Visiting Macao & TCS)	-	Sponsored by the Macau Government Tourist Office
	TOTAL	2,837.50	
The Philippines			
Counterpart expenses to the project: Community-based Weather Station (Two PAGASA technicians joined a Hong Kong Observatory staff in installing the automatic weather station (AWS) in El Salvador, Cagayan de Oro City)	• Travel Expenses and Per Diem (PHP30,000)	750.00	
	• Construction Materials (PHP15,000)	375.00	
UNESCAP/WMO/TC mission to investigate storm "WASHI" (TS SENDONG), March 2012	• Travel Expenses and Per Diem (PHP30,000)	750.00	
	• Representation Expenses (PHP6,000)	150.00	
Training on " International Training Course for Weather Forecasters" at Nanjing, China , 17-26 Sept. 2012	• Airfare (1 Trainee) (PHP25,421)	635.52	
	TOTAL	2,660.52	

TCTF BUDGET ITEM/OTHERS	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	Comments
Republic of Korea			
Investigation of historical flood sites and flood forecasting systems in Philippines and Thailand	<ul style="list-style-type: none"> • Airfare, hotel, meals, and a per diem allowance were supported to one expert from each country (Thailand, Philippines) by MLTM. <ul style="list-style-type: none"> - Thailand (Somkid Saphaokham) - Philippines (Nivagine Nievaes) - 5 Korea Investigation staffs supported by MLTM (Dongryul Lee, Gunhui Chung, Byunghwa Oh, Hunsik Kim, Taeyoup Yoon) - 1 Korea Investigation staff supported by TCTF (Yangsu Kim) 	22,877.00	5-15 Jun., 2012
The 1 st Meeting of Typhoon Committee Working Group on Hydrology held in Seoul, Han River Flood Control Office	<ul style="list-style-type: none"> • Total 11 participants from TC members were supported Airfare, hotel, meals, and a per diem allowance by MLTM. • Farewell dinner was provided <ul style="list-style-type: none"> - 11 delegation (Jinping Liu, Liu, Zhiyu, Susan R.Espinueva, Gine Nievaes, Somkid Saphaokham, Thada Sukhapunnaphan, Kamoto Minoru, Thanh mai Dang, Michael Ziobro, Vithaya Somphanh, Mohamad Noor Hanapi) 	17,883.00	7-10 Oct., 2012
7th Typhoon Committee Integrated Workshop	<ul style="list-style-type: none"> • Two experts from the selected members (Laos, Thailand) were supported Airfare, hotel, meals, and a per diem allowance to attend the 7th Typhoon Committee Integrated Workshop.(China, Nanjing) by MLTM. <ul style="list-style-type: none"> - Laos (Somphanh Vithaya) - Thailand (Kanokporn Boochabun) 	3,560.00	25-30 Nov., 2012

ITEM 24. AWG Meeting	<ul style="list-style-type: none"> • Hosting AWG Meeting • Preliminary meeting • Reception 	2,599.00 208.00 1,603.00	During May and June
ITEM 8. Typhoon Information Processing System (TIPS) Research Fellowship and training support	<ul style="list-style-type: none"> • Travel expenses for three typhoon experts • SDA for three typhoon experts (\$2,270/month 2 times) • Other cost (Meetings, etc.) 	4,304.00 13,636.00 765.00	
OTHER (AOP 11 of WGM)	<ul style="list-style-type: none"> • Establish of web-portal for typhoon seasonal prediction 	34,545.00	Through a project
The 7 th WGD RR Annual Meeting in Seoul	<ul style="list-style-type: none"> • Airfare, hotel, meals were supported to the delegations from each country (Thailand, Viet Nam, Malaysia, Japan, China, Hong Kong, Lao PDR, Macao) and PTC member (Ata Hussain) by NDMI 	26,682.00	30-31 May 2012
2012 Expert Missions to Philippines, Malaysia, and Guam led by NDMI	<ul style="list-style-type: none"> • 1. Investigation of Typhoon 'Washi' in Philippines and performance of expert mission • 2. Expert mission in Malaysia and Guam 	18,804.00	22-28 April 2012 (Philippines) 6-13 October 2012 (Malaysia, Guam)
2012 Roving Seminar in Seoul	<ul style="list-style-type: none"> • Meals, transportation, and technical visit were supported to the participants from Cambodia, China, Hong Kong, Macao, Malaysia, Philippines, Thailand, and Viet Nam by NDMI 	6,804.00	30 October - 1 November 2012
TCDIS	<ul style="list-style-type: none"> • Upgrading and expanding TCDIS by NDMI 	49,585.00	January – December 2012
	TOTAL	203,855.00	

TCTF BUDGET ITEM/OTHERS	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	Comments
Thailand			
Attachment Training for TMD experts on radar composite techniques (during 19-22 November 2012, JMA Headquarters, Tokyo, Japan)	<ul style="list-style-type: none"> International airfare (Thai Meteorological Department's participant) 	916.00	
7 th Integrated Workshop of ESCAP/WMO Typhoon Committee (during 26-30 November 2012, Nanjing, China)	<ul style="list-style-type: none"> All expenses for an additional participant from the Royal Irrigation Department, Thailand 	2,166.00	
	TOTAL	3,082.00	

Attachment

In-kind Contributions in the area of Training Courses at WMO RTC Nanjing (TC Training Center), Sponsored by CMA

Member of Typhoon Committee	Numbering of Participants of the Training Courses held at WMO RTC Nanjing in 2012
Cambodia	0
China	279
Democratic People's Republic of Korea	13
Hong Kong, China	3
Japan	7
Lao People's Democratic Republic	5
Macao, China	12
Malaysia	7
the Philippines	6
Republic of Korea	22
Singapore	1
Thailand	7
Socialist Republic of Viet Nam	9
the United States of America	1