

ECONOMIC AND SOCIAL COMMISSION
FOR ASIA AND THE PACIFIC
AND
WORLD METEOROLOGICAL ORGANIZATION

WRD/TC.43/9.1
7 January 2011

ENGLISH ONLY

Typhoon Committee
Forty-third Session
17-22 January 2011
Jeju Island, Republic of Korea

SUPPORT REQUIRED FOR THE COMMITTEE' S PROGRAMME

(Item 9 of the Provisional Agenda)

Note by the WMO Secretariat in cooperation with
the ESCAP Secretariat and the Typhoon Committee Secretariat

I. TECHNICAL COOPERATION

1. Banks and Trust Fund Projects

The WMO Secretariat continued to make efforts towards the mobilization of resources from the World Bank and regional development banks, including the Asian Development Bank (ADB), and other funding mechanisms. In collaboration with the World Bank, UNISDR and UNDP, a regional disaster risk management and adaptation programme has been initiated for five countries in Southeast Asia (Cambodia, Indonesia, Lao People' s Democratic Republic, Philippines and Viet Nam). The programme focuses on development of national capacities and regional cooperation along three components: (i) disaster risk management institutional capacities across various economic sectors (e.g., health, infrastructure and urban planning, agriculture, energy, civil protection and emergency planning, etc.) (Lead: UNISDR, UNDP); (ii) NMHSs and their partnership with disaster risk management stakeholders (Lead: WMO); and (iii) financial risk transfer and insurance markets (Lead: the World Bank). WMO is invited as a key partner for addressing capacity developments of the NMHSs and their partnerships. The first step was a detailed

institutional capacity assessment and identification of national needs and priorities as well as development of a regional cooperation framework. Dr P. Nilo (Philippines), consultant of this programme, completed the country assessment reports, which are being reviewed by the relevant experts of the World Bank and WMO.

The Typhoon Committee submitted to the Global Facility for Disaster Reduction and Recovery (GFDRR), in June 2009, the partnership “ Flood Resilient Communities in a Changing Climate” , which was based on two Typhoon Committee projects: “ Community-based Flood Forecasting and Warning System (CBFFWS)” , from PAGASA, and “Community Weather Stations” , from Hong Kong Observatory. The Typhoon Committee Secretariat was informed on 13 January 2010 by the World Bank that GFDRR was unable to recommend the proposal to the next round because only a very limited number of proposals were accepted and that was regrettably forced to decline many qualified proposals, including the one from Typhoon Committee. [to be updated by TCS]

The Typhoon Committee Secretariat received financial support from Macao Foundation (MF) amounting USD16, 000 for the participation of experts from the less developed Members in the Pre-Integrated Workshop Planning Meeting and field training for Sediment Disaster Hazard Mapping, in Macao and Zhuhai, China, from 4 to 5 September 2010, and the participation of experts and lecturers in the Integrated Workshop on “ Urban Flood Risk Management in a Changing Climate: Sustainable and Adaptation Challenges” , in Macao, China, from 6 to 10 September 2010.

2. WMO Voluntary Cooperation Programme (VCP)

The WMO Voluntary Cooperation Programme (VCP) is another major source available for WMO Members requiring technical assistance for meteorological and operational hydrological components. A summary of the status of VCP projects for the Typhoon Committee Members is shown in Appendix A.

In 2010, China, Japan and the Republic of Korea made cash contributions to the Voluntary Cooperation Fund (VCP(F)). China; Hong Kong, China; Japan; Republic of Korea; and USA provided equipment, expert services, training and fellowships within the framework of the VCP Equipment and Services (VCP(ES)) Programme. A VCP project for Cambodia for expert services for the restoration of the GTS connection and the satellite receiving system was completed in June 2010 with the VCP(F). A WMO expert mission to the Democratic People’ s Republic of Korea is planned in early 2011 to assess the current status and priority requirements for the improvement of hydro-meteorological services. As of 31 December 2010, two projects for two countries (Democratic People’ s Republic of Korea

and Philippines) are under implementation; and eight projects have not received full support.

VCP holds potential for support of activities of the Typhoon Committee, either through individual projects with the Members of WMO or by a VCP coordinated programme which could provide assistance of a regional nature to the Committee as a whole. Members who need VCP assistance are urged to submit or update their requests to WMO in accordance with the Rules of the WMO VCP.

3. Emergency assistance for disasters

The WMO "Emergency Assistance Fund" (officially entitled "WMO Disaster Assistance Fund for Meteorological and Hydrological Services"), established in 1991 (and renamed in 1999), is an existing WMO emergency assistance mechanism to assist Members affected by disasters in the rehabilitation and restoration of observing network, data collection and processing facilities and in international data exchange in cases where disasters have destroyed or severely disabled the meteorological and/or hydrological infrastructure.

Following the exceptional severe floods in Pakistan in July-August 2010, a WMO fact-finding and needs-assessment mission was carried out from 4 to 8 November 2010 in collaboration with ESCAP and in coordination with UNESCO. Based on the findings and recommendations of the mission, a WMO emergency appeal will shortly be made for assistance to restore essential hydrometeorological infrastructure (AWSs, conventional synoptic meteorological stations, etc.) in Pakistan. Potential donor Members, including China and Japan, are invited to consider possible in-kind and/or cash contributions to the WMO Emergency Assistance Fund.

Following the floods caused by Typhoon Ketsana from 28 September to 2 October 2009, Lao PDR requested WMO for emergency assistance for the restoration of damaged meteorological instruments and equipment at synoptic meteorological stations. China offered to support Lao PDR by providing surface measurement instruments (on-going). Affected Members who need emergency assistance are advised to utilize this scheme, and all Members are requested to consider possible support to the affected NMHSs.

4. TCDC (South-South Cooperation)

It is recalled that the basic objective of the Technical Cooperation among Developing Countries (TCDC) was to promote and strengthen collective self-reliance among developing countries through the exchange of expertise, pooling of resources, sharing of technical

capabilities and development of complimentary capacities. The Member countries are urged to utilize such a scheme to promote the technical cooperation activities.

China organized the International Training Seminar on South-South Cooperation on Weather and Climate in November 2010 in Nanjing Regional Training Centre. Seven members (Cambodia, China, Japan, Lao PDR, Malaysia, Republic of Korea and Thailand) of the Committee participated in the Training Seminar. The Seminar called for greater South-South Cooperation in order to address the specific challenges, which are dominant in the developing nations.

5. Bilateral assistance

Great importance should be attached to assistance from developed countries to Committee's activities on a bilateral basis. Members concerned are invited to inform the Committee at this session of typhoon-related activities, which have been implemented and/or will be undertaken on bilateral arrangements. Japan continued to provide assistance to Lao PDR to improve meteorological services through developing human resources for meteorology and hydrology.

6. Typhoon Committee Trust Fund

The biennial statement of income and expenditure of the Typhoon Committee Trust Fund (TCTF) as of the end of 2010 is submitted by WMO to the Committee as shown in Appendices B and C, according to the " Rules of the ESCAP/WMO Typhoon Committee Trust Fund" .

APPENDIX A

STATUS OF VCP PROJECTS related to ESCAP/WMO TYPHOON COMMITTEE MEMBERS

Country	Project Indicator	Project Title	Circulation Year	Donor Support	Status of Implementation	Estimated cost
CAMBODIA	TE/5/3/1	Provision of a broadband Internet connection with Local Area Network	2006	VCP(F) Full	Completed on 24/08/07	US \$23,584
CAMBODIA	TE/EX/1	Expert services for the restoration of the GTS connection and the satellite receiving system with related training	2010	VCP(F) Full	Completed on 28/06/10	US \$23,584
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	DP/1/2/1	Provision of PCs for hydrometeorological data and information processing in National Data Centre	2007	No No support		
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	HY/EX/1	Fact-finding mission to assess the current status and requirements of SHMA	2010	VCP(F) Full	On-going: to be carried out in February 2011	
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	OB/1/2/8	Provision of an upper-air system and consumables	2006	CHINA Partial	completed in 2006	
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	OB/1/2/9	Provision of meteorological radiosondes and balloons	2009	No No support		
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	OB/3/3/1	Provision of an MTSAT satellite receiving system	2004	CHINA Full	Completed in 2006	
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	OB/4/1/1	Provision of a meteorological radar for improvement of nowcasting	2007	No No support		
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	TE/2/1/1	Upgrading of GTS communication between Pyongyang and Beijing	2006	CHINA Full	completed in 2007	US \$6,650
PHILIPPINES	OB/1/2/9 (Rev. 2)	Upgrading of Laoag upper-air station	2005	USA (GCOS) Full	Completed in 2006	
PHILIPPINES	OB/1/2/11 (Rev)	Provision of 400 sets of GRAW radiosonde transmitters for Laoag upper-air station	2009	No No support		
PHILIPPINES	OB/2/2/1	Rehabilitation of the meteorological observing network	2006	No No support		
PHILIPPINES	OB/4/2/EX	Capacity Building on the Use of Remotely-sensed Radar and Weather Satellite Data	2008	VCP(F) Full	On-going	
PHILIPPINES	OB/9/1/2	Upgrading of the WMO Regional Instrument Centre (RIC) in the Philippines	2007	No No support		
PHILIPPINES	TE/4/2/1	Restoration of the GTS Message Switching System in NMC	2007	ORIENTAL (JAPAN) & JAPAN Full	Completed on 15/08/07	US \$16,020
THAILAND	OB/1/2/4	Replacement of RS80 upper-air system with RS92 upper-air system	2006	No No support		
THAILAND	OB/3/3/1	Provision of a FengYunCast Digital Video Broadcasting (DVB-S) receiving system	2007	No No support		

APPENDIX B

APPENDIX C



World Meteorological Organization
Organisation météorologique mondiale

Secrétariat
7 bis, avenue de la Paix – Case postale 2300 – CH 1211 Genève 2 – Suisse
Tél.: +41 (0) 22 730 81 11 – Fax: +41 (0) 22 730 81 81
wmo@wmo.int – www.wmo.int

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ESCAP/WMO TYPHOON COMMITTEE TRUST FUND

Final Statement of income and expenditure
For the period 1 January to 31 December 2009
Amounts in US dollars

1.	Balance of fund at 1 January 2009	999,124
2.	Income:	
2.1	Contributions received:	
2.1.1	Philippines (22 January)	12,000
2.1.2	Japan (27 February)	12,000
2.1.3	China (17 June)	12,000
2.1.4	Hongkong, China (3 August)	12,000
2.1.5	Malaysia (3 August)	12,000
2.1.6	Singapore (6 August)	12,000
2.1.7	Thailand (6 August)	12,000
2.1.8	Macao, China (15 September)	12,000
2.1.9	Korea (29 December)	12,000
2.1.10	Total contributions received	108,000
2.2	Interest credited	2,995
2.3	Total income	110,995
3.	Total available funds during reporting period	1,110,119
4.	Expenditure:	
4.1	Direct project costs:	
4.1.1	The Ninth Typhoon Operational Forecasting Training at RSMC Tokyo-Typhoon Centre (Tokyo, Japan, from 22 to 31 July 2009)	4,000
4.1.2	Letter of Agreement - WMO / ESCAP-WMO Typhoon Committee Trust Fund - March 2009 (PO 83856)	13,636
4.1.3	Typhoon Committee secretariat expenditures (PO 89555)	8,524
4.1.4	Workshop- Coping on Climate Change, Beijing, 22-26 Sep 2008*	(35,082)
4.1.5	Credit from UNDP	(34)
4.1.6	Letter of Agreement - WMO / ESCAP-WMO Typhoon Committee Trust Fund - Planned 2009 activities (PO 87783)	97,000
4.1.7	Credit from cancellation of prior years' obligations	(434)
4.1.8	Total direct project costs	87,610
4.2	Indirect project costs	
4.2.1	Support costs at 13%	11,389
4.2.2	Bank charges	112
4.2.3	Differences in exchange	(19,410)
4.2.4	Total indirect project costs	(7,909)
4.3	Total project expenditure	79,701
5.	Balance of fund at 31 December 2009	1,030,418

* Savings from cancellation of obligation

Certified correct:

Luckson Ngwira
Chief, Finance Division
7 January 2011

APPENDIX C



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Secrétariat
 7 bis, avenue de la Paix – Case postale 2300 – CH 1211 Genève 2 – Suisse
 Tél.: +41 (0) 22 730 81 11 – Fax: +41 (0) 22 730 81 81
 wmo@wmo.int – www.wmo.int

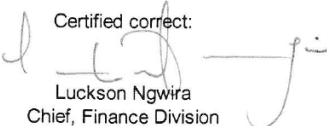
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ESCAP/WMO TYPHOON COMMITTEE TRUST FUND

Interim Statement of Income and Expenditure
 For the period 1 January to 31 December 2010
 Amounts in US dollars

1.	Balance of fund at 1 January 2010		1,030,418
	1.1 Initial recognition of assets/liabilities - adoption of IPSAS		19,502
	1.2 Adjusted Balance of fund at 1 January 2010		1,049,920
2.	Income:		
2.1	Contributions received:		
	2.1.1 Philippines (25 February)	10,923	
	2.1.2 China (29 March)	12,000	
	2.1.3 Malaysia (14 May)	12,000	
	2.1.4 Hong Kong, China (03 June)	12,000	
	2.1.5 Singapore (09 June)	12,000	
	2.1.6 Thailand (30 June)	12,000	
	2.1.7 Korea (22 June)	12,000	
	2.1.8 Macau (24 August)	12,000	
	2.1.9 Transfer from Fund 420110 (Japan's contribution)	12,000	
	2.1.10 Total contributions received	106,923	
2.3	Interest credited	1,312	
2.4	Total income		108,235
3.	Total available funds during reporting period		1,158,155
4.	Expenditure:		
4.1	Direct project costs:	<u>Actual</u>	<u>Obligation</u>
	4.1.1 Tenth Typhoon Committee Training Seminar at the RSMC Tokyo - Typhoon Center (Tokyo, Japan, 21-30 July 2010)	4,000	4,000
	4.1.2 Typhoon Committee Trust Fund - Reimbursement of travel costs for TCS staff - 42nd Session of the TC, Singapore, 25-29 Jan. 2010	13,348	13,348
	4.1.3 MOU signed between WMO and the ESCAP/WMO Typhoon Committee Secretariat - Planned Activities 2010	32,995	78,657
	4.1.4 Typhoon Committee Secretariat expenditures (PO87783)	(3,519)	(3,519)
	4.1.5 Total direct project costs	46,824	125,481
4.2	Indirect project costs		
	4.2.1 Support costs at 13%	5,835	10,225
	4.2.2 Bank charges	146	146
	4.2.3 Differences in exchange	(63,240)	(63,240)
	4.2.4 Total indirect project costs	(57,259)	10,225
4.3	Total project expenditure		78,447
5.	Balance of fund at 31 December 2010		1,079,708

Certified correct:


 Luckson Ngwira
 Chief, Finance Division
 10 January 2011