

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

WRD/TC.44.11.b

**Typhoon Committee
Forty-Fourth Session
06-11 February 2012
Hangzhou, China**

IN-KIND CONTRIBUTION FROM TYPHOON COMMITTEE MEMBERS

(Item 11 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 2011

MEMBER	VALUE ASSIGNED (USD)
China	79,720.00
Hong Kong	13,420.00
Japan	93,811.00
Macau	44,708.45
Malaysia	7,010.48
Republic of Korea	113,109.00
Thailand	18,979.82
TOTAL	370,758.75

THE TC MEMBERS FOR EACH TCTF PROJECT
 (The numbering of the items should be in accordance with the TCTF budget for 2011)

TCTF BUDGET ITEM/OTHERS	MEMBER	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	COMMENTS
ITEM 1. Publications (Approximately WGM 3,000; WGH 2,000; WGD RR 3,000)	China	<ul style="list-style-type: none"> • Online submission system installation • Printing expense • Layout design expense 	6,300.00 7,620.00 1,430.00	
ITEM 4. Roving Seminar and Training Activities		<ul style="list-style-type: none"> • a TC Research Fellowships offered by CMA • Sponsor training Courses at WMO RTC Nanjing 	40,000.00	Mr. Sukrit Kirtsaeng from Thailand
ITEM 6. Assessment of impact of climate change on tropical cyclones		<ul style="list-style-type: none"> • Support and organization of the expert meeting 	4,500.00	
ITEM 9. Web Site Moderators		<ul style="list-style-type: none"> • Support and organization of the typhoon forum meeting 	670.00	
ITEM 11. QPF/QPE		<ul style="list-style-type: none"> • Support and organization of training courses 	3,500.00	
ITEM 14. Urban Flood Risk Management Activities		<ul style="list-style-type: none"> • host the UFRM Working Meeting by providing the staff and funding support • host the Regional Workshop and Training on Flood Forecasting and Warning by providing the staff and funding support 	7,800.00 7,900.00	4-5 April 2011 in Beijing held on 24-28 October 2011, Nanjing, China
		Total	79,720.00	
ITEM 1. Publications	Hong Kong	<ul style="list-style-type: none"> • Served as associated editor for the new Tropical Cyclone Research and Review Journal 	960.00	Two papers reviewed by a Senior Scientific Officer. One working day spent.
ITEM 4. Roving Seminar and Training Activities		<ul style="list-style-type: none"> • Served as a resource person of the Roving Seminar 2011 in Malaysia in September 2011 	2,250.00	4 working days by a Scientific Officer. Travel and subsistence funded by TCTF.
ITEM 8. Typhoon Information Processing System (TIPS) Research Fellowship and training support		<ul style="list-style-type: none"> • Offered fellowship to Typhoon Committee Research Fellowship 2011 	5,130.00	Value assigned HKD40,000
ITEM 9. Web Site Moderators		<ul style="list-style-type: none"> • Extend the project on the real-time transmission of severe weather warnings using SWidget in Severe Weather Information Centre (SWIC) to a couple of interested members in 2011 	4,120.00	2 working days of a Scientific Officer, 1 working day of a Scientific Officer and 5 working days of an Analyst Programmer
ITEM 11. QPF/QPE		<ul style="list-style-type: none"> • Served as a speaker in the QPE/QPF Workshop held in conjunction with the 6th Integrated Workshop in Viet Nam in November 2011 	960.00	One working day by a Senior Scientific Officer. Travel and subsistence funded by TCTF.
	Total	13,420.00		

TCTF BUDGET ITEM/OTHERS	MEMBER	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	COMMENTS	
Tropical Cyclone Ensemble Forecast Information Website	JAPAN	<ul style="list-style-type: none"> • Server Machine, Development of the application to process data, Improvement of the application 	55,000.00	Personnel Cost	
WGM AOP Objective No.6: Development of regional radar network		<ul style="list-style-type: none"> • Expert Mission on Composite Map Project in Thailand 		1 month	Preparation and Mission Trip of Two experts
Storm Surge Watch Scheme		<ul style="list-style-type: none"> • Development of storm surge model for Asian area development of operational storm surge forecast system 		17 months	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.
Training seminar by Typhoon Center		<ul style="list-style-type: none"> • Lecture on storm surges 		1 month	
7th TCP-JCOMM Regional Workshop on Storm Surge and Wave Forecasting in Macao, China		<ul style="list-style-type: none"> • Lecture on storm surge model Explanation of Storm Surge Distribution Map for Typhoon Committee Members 		5 days	
ITEM 2. Support for attachment of two(2) forecasters to RSMC Tokyo - Typhoon Center		<ul style="list-style-type: none"> • Preparation and reception for the Attachment training at the RSMC Tokyo 	150.00	3month/year	
RSMC Tokyo Activities		<ul style="list-style-type: none"> • Publication of "Annual Report on the Activities of the RSMC Tokyo - Typhoon Center" 	3,000.00	2months/year	
RSMC Tokyo Activities		<ul style="list-style-type: none"> • Publication of "Technical Review" 		2months/year	
RSMC Tokyo Activities		<ul style="list-style-type: none"> • Development and maintenance of the JMA Numerical Typhoon Prediction (NTP) website 		4months/year	
RSMC Tokyo Activities		<ul style="list-style-type: none"> • Update of TOM 		1month/year	
SABO Workshop and Field Training in 6 Nov:		<ul style="list-style-type: none"> • Photocopy of materials for SABO Workshop and Field Training in 6 Nov 	100.00		photocopy
Preliminary Survey for SABO Work shop		<ul style="list-style-type: none"> • Preliminary Survey for SABO Work shop 	4,000.00		travel costs for two experts
Field survey for establishment of Flood Disaster Preparedness Indices(FDPI)		<ul style="list-style-type: none"> • Mr. Nakasu went to Thailand and the Philippines for FDPI survey. 	4,000.00		FDPI surveys in Thailand and the Philippines
Invitation to Typhoon Committee		<ul style="list-style-type: none"> • Invitation to Typhoon Committee 	2,561.00		Invitation of two experts from Lao P.D.R. and Thailand
GFAS development		<ul style="list-style-type: none"> • Cost of GFAS development 	25,000.00		GFAS data processing
		Total	93,811.00	31 months + 5 days	

TCTF BUDGET ITEM/OTHERS	MEMBER	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	COMMENTS
ITEM 7. Storm Surge Workshop and Activities	Macao	<ul style="list-style-type: none"> • Venue Setting, logistic arrangement, catering & souvenirs (SMG) • Welcome Dinner (SMG) • • Labour cost (LOC-SMG) • Study Tour (Visiting Macao, TCS & Water Level and Tide Monitoring) • Exemption of VISA fee • Travelling expenses (Air-ticket & Daily Subsistence Allowances) <p>(SMG=Meteorological and Geophysical Bureau, Macau)</p> <p style="text-align: right;">Total</p>	<p>8,963.17</p> <p>1,687.34</p> <p>5,837.74</p> <p>3,700.00</p> <p>-</p> <p>-</p> <p>24,520.20</p> <p>44,708.45</p>	<p>No. of PC:7</p> <p>No. of supporting staff 6</p> <p>Sponsored by the Macau Government Tourist Office</p> <p>The LOC-SMG made request to Public Security Police Force for participants' visa fee entry to Macao</p> <p>4 lecturers and 6 participants was funded by Macao Foundation</p>
ITEM 4. Roving Seminar and Training Activities Typhoon Committee Roving Seminar 2011, 20-23 September 2011, Petaling Jaya, Malaysia	Malaysia	<ul style="list-style-type: none"> • Computer • Stationery • Transportation • Hospitality <p style="text-align: right;">Total</p>	<p>1,921.37</p> <p>917.95</p> <p>580.47</p> <p>3,590.69</p> <p>7,010.48</p>	<p>None</p> <p>None</p> <p>None</p> <p>None</p>
ITEM 1. Support to TCS for resource mobilization, representation at international meetings	Republic of Korea	<ul style="list-style-type: none"> • Hosting the TC 43rd Meeting 	<p>102,000.00</p>	
ITEM 8. Typhoon Information Processing System (TIPS) Research Fellowship and training support		<ul style="list-style-type: none"> • Travel expenses for two typhoon experts • Lump sum per diem(\$2,270/month, 4 times) <p style="text-align: right;">Total</p>	<p>2,029.00</p> <p>9,080.00</p> <p>113,109.00</p>	<p>A trainee during Sep. and the other during Sep.-Nov.</p>

TCTF BUDGET ITEM/OTHERS	MEMBER	IN-KIND CONTRIBUTION	VALUE ASSIGNED (USD)	COMMENTS
UFRM Project	Thailand	1- TC UFRM Task Force Mission in Hat Yai, Thailand 12-13 Dec. 10		
		• Travel expenses (TMD participants)	863.88	
		• Break + Lunches + Dinners (TC experts + TMD, RID and DDPM)	190.69	
		• Gasoline for site survey	58.38	
		2- UFRM Good Practice City Visiting in Shanghai, 18-20 May,11		
		• Per diem (TMD participants)	557.34	
		• Accommodations	353.84	
• International airfare (TMD participants)	792.88			
• Local expenses for one TMD participant	116.11			
3- QPE/QPF on-job-training, Shanghai, 8-19 Aug, 11				
• International airfare	2,095.01			
• Per diem	2,508.04			
• Accommodation	1,900.19			
• Miscellaneous	199.90			
• Local expenses for TMD participant	102.51			
4- Training Workshop on QPE/QPF, 29 Aug.- 2 Sep, 11, TMD Headquarters, Bangkok				
• Accommodation (lecturers)	218.95			
• Honorarium (Foreigner Lecturers + TMD experts)	1,074.87			
• Breaks & Lunch (All participants)	1,990.51			
• Office facilities	143.94			
• Travel expenses (TMD participants)	1,454.86			
5- TC Roving Seminar 2011, Malaysia, 20-23 Sep, 11				
Local expenses for TMD participants	404.07			
		Sub-Total	15,025.97	
Radar Composite Map Project	Thailand	1- Visit of TC Expert Mission, Thailand, 7-9 Sep, 11		
		• Breaks + Lunches + Dinners (TC Experts + TMD Participants)	561.65	
		• Travel expenses (TMD Participants)	49.09	
		• Accommodations (TMD Participants)	106.16	
		2- Seminar of TMD Radar Station Staff, 19-20 Sep, 11, TMD Headquarters, Bangkok		
• Honorarium (TMD experts)	119.43			
• Breaks + Lunches + Dinners (TMD Participants)	388.14			
• Travel expenses (TMD Participants)	1,933.18			
• Accommodations (TMD Participants)	796.20			
TMD = Thai Meteorological Department RID = Royal Irrigation Department DDPM = Department of Disaster Prevention and Mitigation				
		Sub-Total	3,953.85	
		Grand Total	18,979.82	