

IN-KIND CONTRIBUTION FROM TYPHOON COMMITTEE MEMBERS

(Item 15 of Provisional Agenda – In-kind Contribution)

(Submitted by Typhoon Committee Secretariat)

ACTION REQUIRED:

The Committee is invited:

To take note of the In-kind contributions from the Members

APPENDICES:

- 1) DRAFT TEXT FOR INCLUSION AT SESSION REPORT
- 2) SUMMARY AND LIST OF IN-KIND CONTRIBUTION FROM TYPHOON COMMITTEE MEMBERS

APPENDIX A:

DRAFT TEXT FOR INCLUSION IN THE SESSION REPORT

REPORT OF TYPHOON COMMITTEE SECRETARIAT

15.2.1 The Committee expressed appreciation for the in-kind contributions from some Members, namely China, Hong Kong, China; Japan; Republic of Korea, Thailand and Viet Nam. The Committee also invited the other Members to report their in-kind contributions, quantifying the corresponding unit of Man-months that have consumed in actions related to TCTF projects. (Appendix xxx).

15.2.2 The Committee also expressed the importance of having in-kind contributions with correspondence values.

(Additional text to be added in the light of discussion on this item)

APPENDIX B:

IN-KIND CONTRIBUTION FROM TYPHOON COMMITTEE MEMBERS FOR 2017

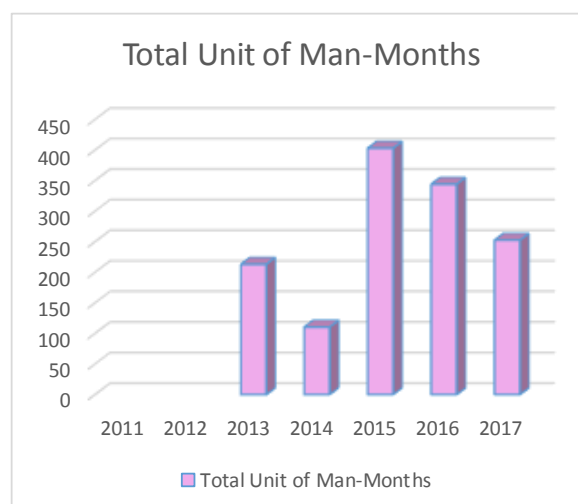
Total In-Kind Contributions for 2017

Total Value Assigned (USD): 1,120,510.28

Total Unit of Man-Months: 252.59

Member	Unit of Man-Months	Value Assigned(USD)	Remarks
China	89.02	152,716.20	
Hong Kong, China	2.85	-	
Japan	34.00	127,960.00	
Republic of Korea	84.30	809,817.67	
Thailand	12.42	9,623.37	
Viet Nam	30.00	20,393.04	
Total :	252.59	1,120,510.28	

Annually In-Kind Contributions



In-Kind Contributions for 2017

Member Name: China

Activities Supported	Unit of Man-Months	Value Assigned (USD)	Comments
CMA Typhoon Forecaster Training Programme	3.00	6,812.00	Transportation, Training, Accommodation, Pocket money et al.
Support to attend Integrated Workshop (IWS) and other activities	1.25	12,500.00	Transportation, Logistics and Travel Expenses for IWS; TC annual session
Observational Study on Intensity and Structure of Offshore Typhoon based on Experiment on Typhoon Intensity Change in Coastal Area	2.00	7,950.00	Transportation, Logistics and Travel Expenses
Publication of Tropical Cyclone Research and Review	24.00	19,000.00	Online submission system installation, Printing and Delivery expense for quarterly Journal
Benefit evaluation of Typhoon disaster prevention and preparedness	0.50	800.00	Transportation, Logistics and Travel Expenses
5 from LPDR for the seminar on emergent rescue of earthquake disasters for developing countries (21 days)	4.67	25,524.17	the support covering Air tickets (MOC courses only), airport delivery, local transportation, major meals, reception and farewell dinners, hotel rooms, gifts, daily subsistence allowance, training, facility use and maintenance (scanner, computer, Internet connection, photocopying, camera, etc.)
5 from LPDR for the training course on agro-meteorology for developing countries (28 days)	3.50	21,799.85	
1 from Hong Kong, China for the training course on numerical weather prediction (12 days)	0.40	1,764.35	
1 from Thailand for the training course on tropical cyclone (12 days)	0.40	1,764.35	
4(USA), 2(Japan), 1 (RoK), 1 (Malaysia),1(China) for the WMO International Workshop on Climate Services Information System Operations and Coordination (4 days)	1.20	1,314.20	Facility use and maintenance, airport delivery and local transportation, and reception and farewell dinners
3(USA), 3 (Macao, China), 3 (LPDR), 3 (Philippines), 3 (Thailand), 3(China), 3 (Vietnam) for the Training Workshop on Synergized Standard Operating Procedures for Coastal Multi-hazards Early Warning System (3 days)	2.10	2,326.28	
WGH-AOP4-OSUFFIM project related activities	18.00	10,000.00	training course, field survey, software updating and so on
WGH-NEW AOP-Impact Assessment of Climate Change on Water Resource Variability in TC Members	2.00		Coordination, Proposal, Report
Support to attend 6th WGH working meeting in Seoul	2.00	1,649.00	Transportation, Logistics and Travel Expenses, Stipend, Accommodation
Support to attend 12th Integrated Workshop (IWS) in Jeju	3.00	2,852.00	Transportation, Logistics and Travel Expenses, Stipend, Accommodation
International Training Activities in WMO RTC-Beijing	20.00	36,000.00	Training, Logistics and transportation for 24 trainees from TC Members in 6 trainings in the field of weather forecasting, aeronautical meteorological services, satellite product application, GFCS, adaptation to climate change.
HKO's expert's visit to WMO RTC-Beijing for technical exchange and giving lectures	1.00	660.00	Travel expenses and local logistics support. Lectures have been given in the international training course on aeronautical meteorological services.
Total :	89.02	152,716.20	

In-Kind Contributions for 2017

Member Name: Hong Kong, China

Activities Supported	Unit of Man-Months	Value Assigned (USD)	Comments
TRCG [AOP 1] - TRCG planning meeting in conjunction with the 12th IWS	0.25		Provide support in planning of the items discussed in the TRCG meeting.
TRCG [AOP 5] - TECO in conjunction with the TC50	1.50		Provide support in planning the workshop, including sourcing of keynote speakers, compiling the schedule and the budget, coordinating with TCS and the local host Vietnam
WGM [AOP 5] - Assessment report on the impact of climate change on tropical cyclone in TC region	0.50		Provide an expert in literature review and the compilation of the assessment report.
WGM [AOP 7] - EXOTICCA	0.10		Provide support on collecting aircraft observations and collaborative research.
WGM [PP 2] - Collaborative Discussion platform on TC analysis and forecast	0.50		Provide support in the design, implementation and the first phase trial of the discussion platform with NMC/CMA as well as compilation of project progress summary.
Total :	2.85	-	

In-Kind Contributions for 2017

Member Name: Japan

Activities Supported	Unit of Man-Months	Value Assigned (USD)	Comments
Host of the 49th Annual Session	10.00	106,400.00	
Storm Surge Watch Scheme	1.00		addition of 10 stations for storm surge time series prediction
North Western Pacific Tropical Cyclone Ensemble Forecast Project (NWP-TCEFP)	0.50		Maintenance of the web server
Budget Item 8: Development of regional radar network	6.00		Logistic arrangements and hosting a technical meeting Preparation for training materials on radar data quality techniques, composite maps, QPE/QPF Implementing experimental radar composite data exchange
Budget Item 3: Support for attachment training of three (3) forecasters to RSMC Tokyo - Typhoon Center	4.00	1,000.00	Logistics and preparation for lecture materials
Publication of "Annual Report on the Activities of the RSMC Tokyo - Typhoon Center"	2.00	3,000.00	Edition, coordination and proofreading
Publication of "Technical Review"	2.00	200.00	Coordination and proofreading
Development and maintenance of the JMA Numerical Typhoon Prediction (NTP) website	5.00		Coordination, development and maintenance
Update of TOM	1.50		Update of TOM Coordination with Members
TC Forecasting Competency Development Project	2.00	17,360.00	Production of meeting documents and the meeting report Travel cost and DSA for participants
Total :	34.00	127,960.00	

In-Kind Contributions for 2017

Member Name: Republic of Korea

Activities Supported	Unit of Man-Months	Value Assigned (USD)	Comments
[KMA] Research Fellowship of TRCG	2.00	9,657.00	Travel Expenses for 4 typhoon experts for 2 weeks, and other cost
[KMA] Development of Typhoon Seasonal Prediction System	12.00	-	Operation and improvement of web-portal for typhoon seasonal prediction
[KMA] Technology transfer of the Typhoon Operation System (TOS)	0.75	-	Implementation of TOS to Philippines and Thailand for 3 persons for 7 days
[KMA] Hosting the 12th Typhoon Committee Integrated Workshop	10.00	61,281.00	Venue, Meal, and Tour, etc.
[KMA] Typhoon Committee Member Flags	2.00	1,048.00	3 sets of TC members' flags
[HRFCO] The 6th WGH meeting and workshop	13.50	16,579.16	Travel expenses for 10 member experts for 4 days Other cost(Venue and coffee break, etc.)
[HRFCO] Two experts financial support for attending the 12th IWS	4.00	2,747.01	Travel expenses for 2 member experts for 5 days
[HRFCO] Development of the Extreme Flood Forecasting System	3.30	47,635.50	System development management cost
[HRFCO] The Guidelines for Extreme Flood Risk Management	3.60	-	Finalizing the guideline in Korean and English version
[NDMI] Hosting the 12th WGDRR Annual Meeting	5.00	37,738.00	Transportation, Logistics and Travel Expenses for 12th WGDRR Annual Meeting
[NDMI] Expert's visit to 2017 Expert Mission (Hawaii)	1.75	18,350.00	Transportation, Logistics and Travel Expenses for 2017 Expert Mission in Hawaii
[NDMI] Promotion International Cooperation Project in DRR	14.40	614,782.00	Construction of Flash Flood Alert System (FFAS) and Automatic Rainfall Warning System (ARWS) in Lao PDR and Vietnam
[NDMI] Publication of Expert Mission Activities	12.00	-	Production and Publication of Expert Mission Activities in DRR
Total :	84.30	809,817.67	

In-Kind Contributions for 2017

Member Name: Thailand

Activities Supported	Unit of Man-Months	Value Assigned (USD)	Comments
TMD supported 6 staff to serve as experts team in Development of regional radar network (AOP 4)	12.00		
TMD supported the installation and training on using the Typhoon Operation System (TOS), POP 4	0.03	61.37	Lunch and coffee breaks
RID Supported the attendance of WGH6 in Republic of Korea	0.13	4,823.00	Transportation, Logistics, Travel Expenses and Daily Expenses for WGH5 Meeting (3 persons)
RID Supported the OSUFFIM field survey in China	0.13	2,694.00	Travel Expenses and Daily Expenses for OSUFFIM field survey in Dongguan City, China (Thailand officers - 3 persons)
RID supported the attendance of Integrated Workshop (IWS-12th) in Jeju, Republic of Korea	0.13	2,045.00	Transportation, Logistics, Travel Expenses and Daily Expenses for IWS Meeting (1 person)
Total :	12.42	9,623.37	

*** TMD refers to the Thai Meteorological Department (TMD), Thailand**

RID refers to the Royal Irrigation Department (RID), Thailand

In-Kind Contributions for 2017

Member Name: Socialist Republic of Viet Nam

Activities Supported	Unit of Man-Months	Value Assigned (USD)	Comments
Hosting the OSUFIM experts for Field survey in Viet Nam from 13-18 November	5.00	1,739.13	Transportation, Logistics and Travel Expenses,... 40.000.000 Viet Nam dong (VND)
	2.00	219.13	01 Staff spent time in providing service in hosting in 7 days: 7 days x 720.000 VND = 5040000 VND
Hosting the Regional Sub-Project Management Team (RSMT) of the Severe Weather Forecasting Demonstration Project (SWFDP) 20-23 November 2017	5.00	4,347.83	Transportation, Logistics and Travel Expenses,... 100.000.000 Viet Nam dong (VND)
	2.00	3,130.43	10 Staff spent time in providing service in hosting in 10 days: 100 days x 720.000 VND = 72.000.000 VND
Operating the Forecasting Support Center (FSC) under the Severe Weather Forecasting Demonstration Project (SWFDP) under activities of Meteorology Working Group	16.00	10,956.52	10 staff spent time to operate the FSC: 10x720.000x35=252.000.000 VND
Total :	30.00	20,393.04	