



# **ARF WORKSHOP ON MULTI-YEAR STRATEGIC EXERCISE PLAN**

## **TY “HAIYAN” LESSONS LEARNED**

**Kuala Lumpur, Malaysia,  
April 7-8, 2015**

**Dir. Romeo Fajardo  
Deputy Administrator  
Office of Civil Defense**

# SCOPE OF PRESENTATION

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- Preparations for TY “HAIYAN”
- TY Track & Effects
- Response Operations
- Recovery & Rehabilitation Efforts
- Lessons Learned



# **PREPARATIONS FOR TY “HAIYAN”**



# **PREPARATIONS FOR TY “HAIYAN”**

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- **NDRRMC OpCen on RED ALERT**
- **Regional DRRMCs alerted**
- **Preparatory Meetings**
- **NDRRMC SitRep No. 1 dtd 06 Nov ‘13**
- **National Response Agencies prepositioned assets and resources**



# PREPARATIONS FOR TY “HAIYAN”



**07 Nov 2013**

**President Aquino  
warned the  
populace before  
TY “HAIYAN”  
would make  
landfall**

# PREPARATIONS FOR TY “HAIYAN”



**07 Nov 2013**

Chairperson, NDRRMC presided an emergency  
DRRM Council Meeting in Tacloban City

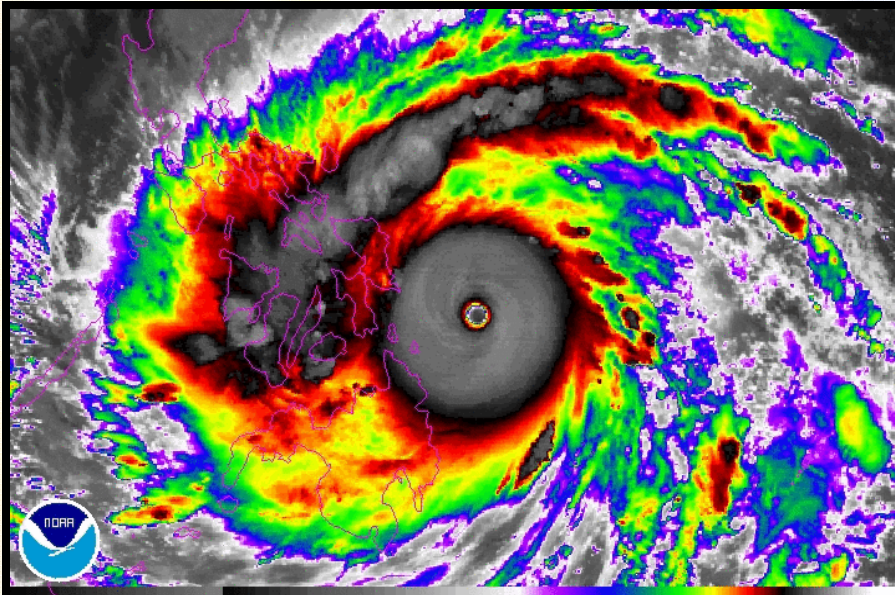


# **TYPHOON TRACK AND EFFECTS**

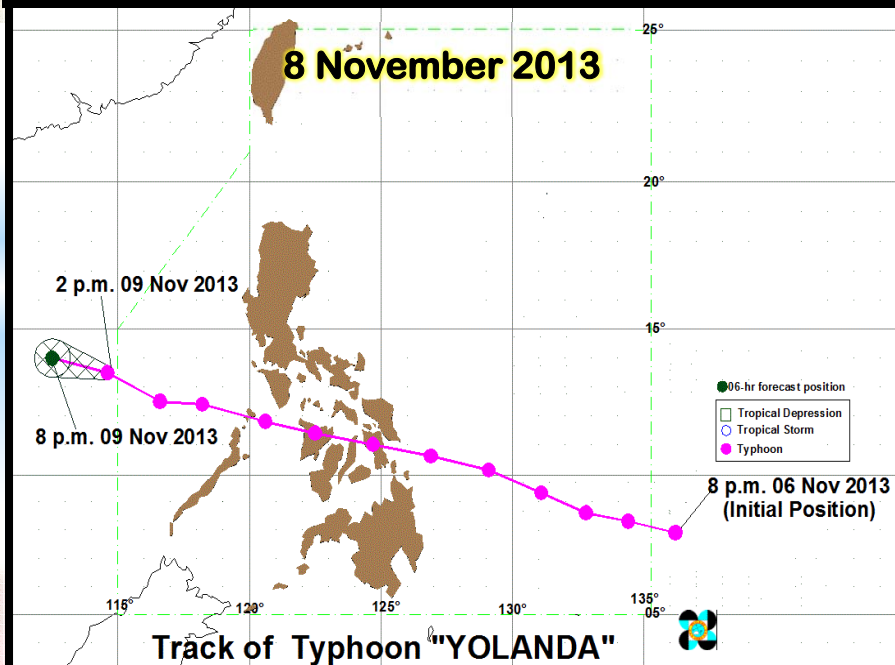




## TY "HAIYAN" TRACK



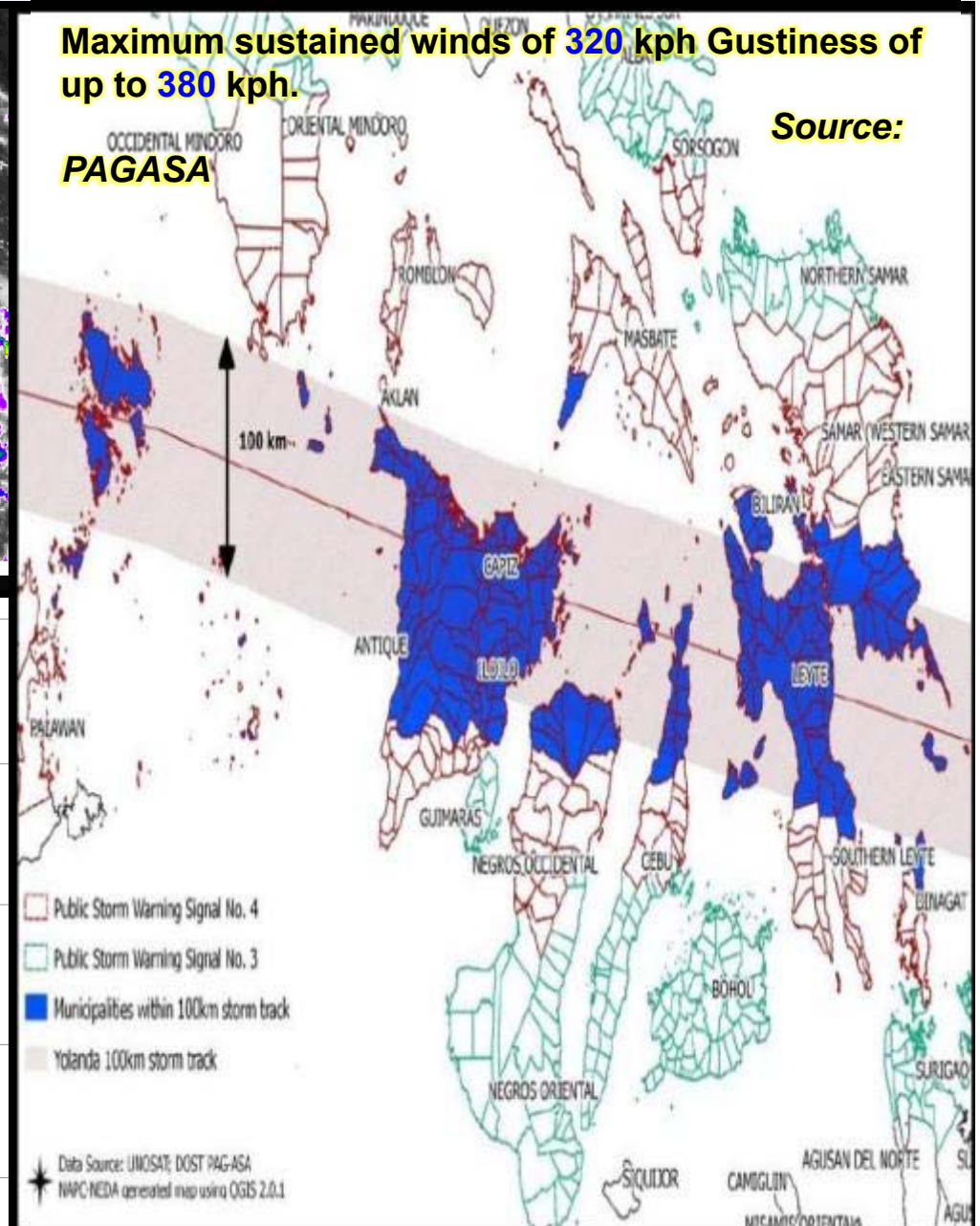
2 MTSAT-FLOATER RBTOP IR - NOV 7 13 15:57 UTC



**Maximum sustained winds of 320 kph Gustiness of up to 380 kph.**

**PAGASA**

**Source:**





# EFFECTS



- Storm surge in Leyte and Samar in Eastern Visayas caused a great number of deaths
- 320 kph winds caused huge damage to lifelines – power, water supply, communications and transportation and government infrastructures

# EFFECTS



- **Paralyzed industry, trade and services in affected areas**
- **Frontline responders were also victims**
- **Population movements to unaffected or less affected areas**

# EFFECTS

As of 29 May 2014

Affected Population	
<i>Families</i>	3,424,593
<i>Persons</i>	16,078,181
Casualties	
<i>Dead</i>	6,300
<i>Injured</i>	28,626
<i>Missing</i>	1,785
Damaged Houses	
<i>Totally</i>	550,928
<i>Partially</i>	598,404
Total Damaged	Php 89.598B

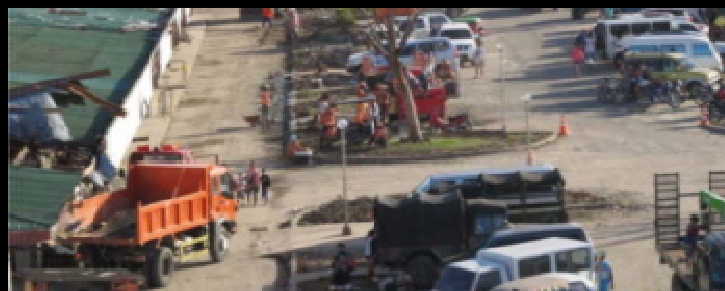




# **RESPONSE OPERATIONS**



# RESPONSE OPERATIONS



**09 Nov 2013**

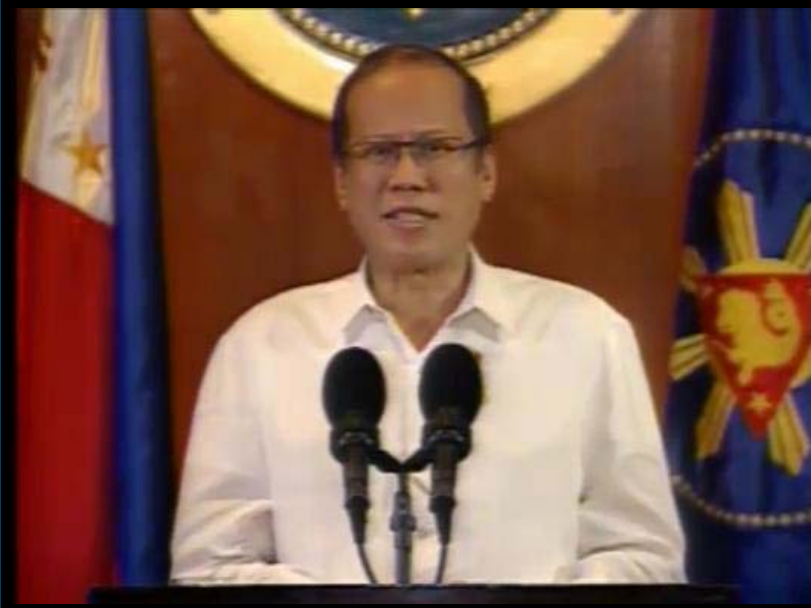
**Tacloban City Airport was  
cleared airport operations**

**10 Nov 2013**

**President Aquino visited  
typhoon damaged areas**



# RESPONSE OPERATIONS



**11 Nov 2013**

**Declaration of State of Calamity**



# RESPONSE OPERATIONS

**12 Nov 2013**

**MANILA  
HUB**

**Philippines**

**CEBU  
HUB**

**“ONE STOP SHOP”**

**Legend:**

**OSS Facility**



**Drop-off points**



# RESPONSE OPERATIONS

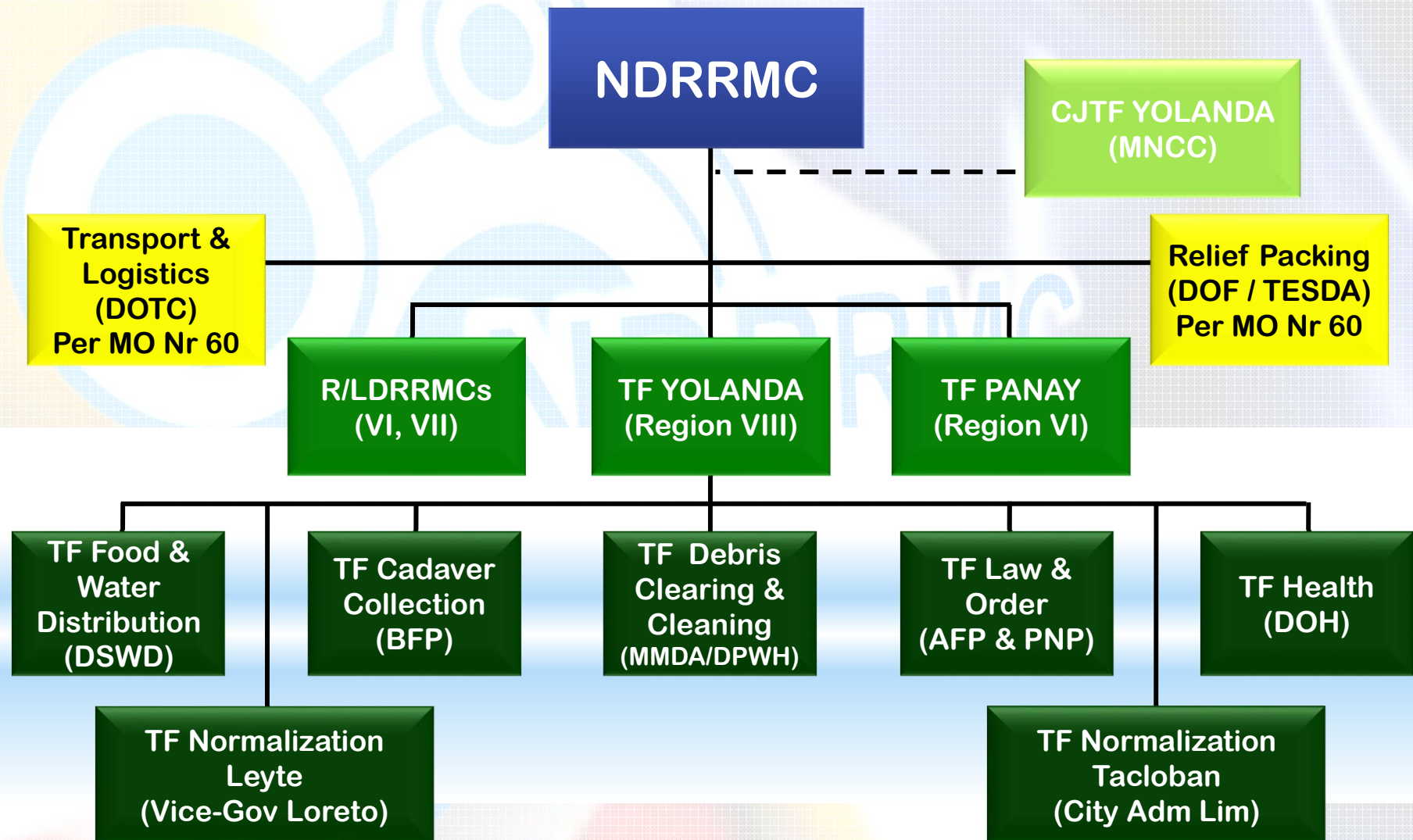
## Foreign Aid Transparency Hub (FAiTH)

Total (Pledges):	PhP 34,067,467,968.85
	US\$ 763,519,307.22
Cash	PhP 11,076,885,571.39
	US\$ 248,254,904.22
Non-Cash	PhP 14,997,132,777.47
	US\$ 336,115,394.28

**As of 15 Nov 2013**



# TY "HAIYAN" RESPONSE ORGANIZATION





# RESPONSE OPERATIONS

**Deployed the following:**

<b>Personnel</b>	<b>35,489</b>
<b>Vehicles</b>	<b>1,351</b>
<b>Seacraft</b>	<b>118</b>
<b>Aircraft</b>	<b>163</b>
<b>Other Assets</b>	<b>28,361</b>

(Engineering, Medical, Water Treatment, SAR)

# RESPONSE OPERATIONS

**Deployed the following:**

<b>Contributing countries</b>	<b>57</b>
<b>Foreign military units</b>	<b>29</b>
<b>Military personnel</b>	<b>15,282</b>
<b>Military aircraft</b>	<b>132</b>
<b>Navy ships</b>	<b>25</b>

# RESPONSE OPERATIONS

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- MNCC:
  - Coordinated flight skeds
  - Naval HADR operations
  - Force protection
- Distributed relief goods & deployment of medical teams & responders by AFP and foreign military units



# RESPONSE OPERATIONS

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- Commo facilities w/in 24 hrs by the military, NTC thru Telcos, OCD, DSWD Teams and ASEAN
- Distributed relief goods & deployment of medical teams & responders by AFP and foreign military units

# **5 CLUSTERS FOR EARLY RECOVERY AND REHABILITATION**



**FOOD & WATER DISTRIBUTION**

**PEACE & ORDER**

**SHELTER & RECONSTRUCTION**

**SOCIAL SERVICES – HEALTH &  
EDUCATION**

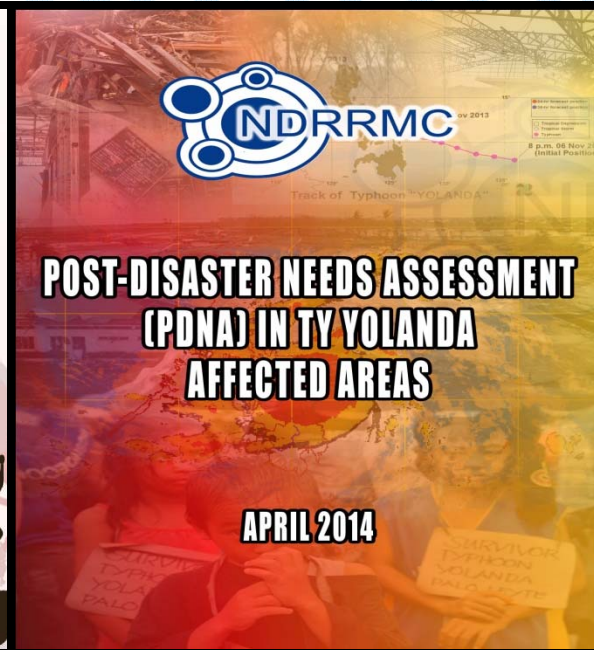
**LIVELIHOOD, EMPLOYMENT &  
COMMERCE**





# RECOVERY & REHABILITATION

- Rehabilitation Assistance on “Yolanda” (RAY1)
- Post Disaster Needs Assessment (PDNA)
- Creation of the Office of the Presidential Adviser on Recovery and Rehabilitation







# **LESSONS LEARNED**



# PREVENTION AND MITIGATION

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- Hazard Mapping and Risk assessment
- “Laymanizing” forecasting and early warning systems
- Mainstreaming of DRRM in local plans, programs and budgets

# DISASTER PREPAREDNESS

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- Risk awareness and understanding and how to prepare for them
- DRRM and CCA capacities of DRRM councils, offices and operations centers
- Local disaster preparedness and response policies, plans and systems



# DISASTER PREPAREDNESS

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- Partnerships
- Pre-Evacuation

# DISASTER RESPONSE

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- Need for policies, guidelines and systems , i.e., ICS and MNCC
- Improve on an integrated and coordinated Search, Rescue & Retrieval and Relief Operations

# DISASTER RESPONSE

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- Reinforcement from other regions
- Management of the movement of people from the affected areas after the calamity



# DISASTER REHABILITATION AND RECOVERY

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- Economic options
  - Diversified sources of income
  - Risk financing
- Resettlement and “Build-Back Better and Safer”

*“Allow me to thank you once again for being one with the Filipino people in this time of need, from the days immediately following Typhoon Haiyan, or Yolanda, to this day, as we take on the task of rebuilding. Not just our country, but the entire world came together for Filipinos affected by Yolanda—from the preschooler in Japan who donated his savings, to the farmers in Haiti who raised money for their Filipino counterparts. We are deeply humbled and thankful for this outpouring of assistance.”*

**His Excellency Benigno S. Aquino III**

**MARAMING  
SALAMAT  
AT  
MABUHAY!**







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