

ACSR Report & Proposal

Typhoon Haiyan (Yolanda)

November 2013

Supertyphoon Haiyan

- 314km/hr winds
- 4000 deaths (as of 18 Nov. 2013)
- 670,000 Filipino displaced
- 500,000 home destroyed (as of 18 Nov. 2013)
- UN and the Philippines National Disaster Risk Reduction & Management Council estimate over 9.5 million people were affected in 41 Provinces, more than 430,000 are currently housed in evacuation centres.
- US\$14 billion in estimated damage

Summary

Typhoon Yolanda, internationally named Typhoon Haiyan, which hit the Visayan Islands in the Philippines on Friday, 8 November 2013 had unprecedented strength which the Philippines have never experienced and were never prepared for this kind of event, in spite of warnings from weather forecasters. As the devastation revealed, no amount of preparation could have possibly spared people from the fury of this typhoon.

Some officials estimated that as many as 10,000 people died in Tacloban, a city of 220,000. Many of the affected communities remain isolated due to road and bridges either damaged by landslides or blocked by fallen trees and debris. Hundreds of corpses in early stage of decomposition are scattered on the roads and elsewhere. Grieving families have no choice but to bury them in mass graves to prevent an outbreak of diseases harmful to those who survived the storm.

People are hungry and sick. No food and water. In Tacloban City, people have broken into business establishments to forage food, water, kerosene and clothing.

Reports indicate supply is adequate. There are food, water, clothing, medicines in Manila and Cebu Cities and aid keeps coming. However, the problem is how to transport these relief items to locations where roads are still not passable. Helipads and

airstrips are inoperable, so are ports for ferryboats. Communications system is down and there is no electricity.

Typhoon Yolanda/Haiyan made six landfalls in different provinces in the Central Visayan Islands of the country so that while Tacloban City in Leyte Province has received most of the media attention, a number of provinces have similarly been hard hit: the provinces of Samar, Ormoc, Capiz, Aklan, Iloilo, Antique, Negros Occidental, Coron (in Palawan), Bantayan (island in Cebu), Bohol, Mindoro (in Luzon) and other smaller island communities.

Many of these areas suffered casualties as well but have not been given as much media attention as that given to Tacloban City. The only difference was that Tacloban City was hit by flood waters caused by a tidal surge as high as 4-6 meters which inundated communities.

In all the frenzy, there is no mention on the fate of elderly and persons with disabilities who are undoubtedly the most vulnerable of the affected populations. (RI Report)

The National Council on Disability Affairs (NCDA) in Manila attached to the Department of Social Welfare and Development, the lead agency in the ongoing rescue and relief operations cannot provide any disability/elderly-specific information. The Philippines has a long way to go in the effort to really include elderly and persons with disabilities in disaster preparedness, response and similar activities. (RI Report)

According to the Philippines Department of Social Welfare and Development, 11.5 million people were affected (as of 13 November 2013), and while some regions still remain unreachable, it is known that at least 106,405 families (502,077 individuals) have been displaced. While over 500,000 houses are estimated to have been severely affected, 95,143 houses known to be entirely damaged, particularly in vulnerable and poor communities. (AFH)

One of the officials of Tacloban City interviewed by media stated: ***“The devastation is so massive that we cannot even figure out where to start picking up the shattered pieces of our lives”***

International Aid

UN Appeal for \$300 million in relief aid from Country donors.

Pledges from Governments

- USA \$20 million
- UK \$16 million (temporary shelter for 500,000 people)
- Europe \$11 million
- Japan \$10 million
- Canada \$10 million
- Australia \$9.3 million (medical personnel, tarpaulins, sleeping mats, mosquito nets, water containers, hygiene kits)
- Hong Kong \$6.5 million

Disaster Response Agencies Offering Assistance

Red Cross International

Red Cross Philippines

Medecins Sans Frontieres (MSF)

Habitat for Humanity China (HHC)

- Country office in the Philippines has targeted to distribute 30,000 shelter kits for home repairs and 50,000 clean up kits to families.

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Architecture for Humanity (AFH)

Specialists in post disaster reconstruction.

Ar. Clark Manus, who is on the Board of AFH and serving as the interim ED, offered to expand the network on how to support the upcoming needs arising out of this disaster.

Disaster Studio at AFH. The disaster studio will need assistance with getting information from the affected areas to assess the gaps and where AFH can help. More importantly, the extent of response will depend on the amount of funds that will be raised. Also, the AFH team is looking for Filipino designers or architects on the ground who may be able to act as AFH's eyes and ears on the ground.

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ADPC (Asia Disaster Preparedness Center)

Nui is exploring ways that ASA and ADPC can coordinate relief efforts from Bangkok.

Article 25

Article 25 is the UK's leading construction charity working in international development. It has worked in the disaster zones of Haiti, Pakistan, Afghanistan as well as in 15+ other countries, designing and overseeing construction in areas of need.

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Fondation Architectes de l'urgence

With teams consisting of architects and engineers available for immediate response

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The Role of ARCASIA

The main and most effective role of ARCASIA relating to natural disasters is post disaster management & reconstruction programs and also in the construction of temporary shelters.

It is the intention of ACSR to quickly set up the ARCASIA Emergency Architects (AEA) Task Force in close association with international or regional disaster response agencies to assist in the efforts of rebuilding the areas affected by Typhoon Haiyan.

Apart from donating funds for the immediate relief to those affected; our most useful role as ARCASIA Architects is more medium to long term, in particular to rebuilding

Communities and Human Settlements destroyed by the typhoon. This could well be in two to three months' time after the initial cleanup has been carried out.

Nonetheless, ARCASIA could still provide immediate assistance to UAP in the provision of temporary shelters which in one UAP proposal is tarpaulin canopy and flooring with sandbag/rice sack walls at a sum of US\$100 per unit. There may well be other more effective and appropriate designs that are yet to be explored.

HKIA will re-establish the Task Force set up during the Sichuan Earthquake, under Pres. Ada Fung and VP Tony Tang. HKIA will also consider contributing towards the funds for immediate relief for food/water/medical supplies/temporary shelters, etc.; as well as funds towards setting up of the AEA Programme.

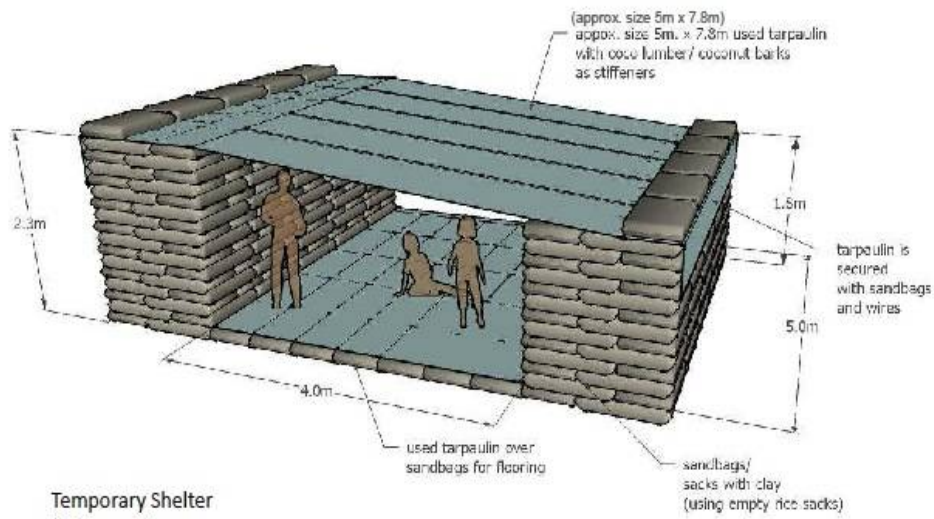
This latter activity is most important to establish and to sustain the potential contribution of AEA for our region. It is timely that ARCASIA establish its own AEA Task Force to deal with our regional problems, instead of relying on outside the region for help and expertise. ARCASIA should collaborate and learn from these International/regional agencies and begin to stand on our own feet, to capacity build our own architects and to develop our own programmes and expertise in post-disaster reconstruction for our Asia Pacific region.

ACSR will be undertaking this initiating role; and propose that part of the donations from our 19 ARCASIA Member Institutes be sent to ARCASIA account earmarked as seed funding to establish and to sustain AEA.

The following actions are proposed:

- ARCASIA to collaborate and assist UAP in providing immediate relief to the affected regions such as the provision of temporary shelters during the "relief phase".
- ARCASIA to contact other international disaster response agencies to discuss means of co-operation, in particular to define clear line of communication, operation and commitment in order not to waste time and resources.
- **ARCASIA's AEA Task Force** to collaborate with **Architecture for Humanity (AFH)** to prepare Action Plans, Programmes, Timetables, Budgets, etc. to assist in both short, medium and long term reconstruction of the affected communities. AEA to work with AFH to deliver the most effective outcome in helping victims to rebuild their communities within the shortest period.
- It is proposed that ARCASIA to be the coordinating body and the funds collected from Individuals and the Member Institutes to be channeled into the ARCASIA Disaster Relief Fund (ADRF) to be set up immediately at Malaysia.

- ACSR will lead and liaise with UAP, AFH and other international disaster response agencies (IDRA) on how, when and where the fund is to be disbursed.



Temporary Shelter
(Scheme 1)

Approximate Total No. Of Sacks = 456
@ P10/sack = P4,560.00

UAP Temporary Shelter Proposal

Mapping the destruction of Typhoon Haiyan

Thousands of people are feared dead or missing after Typhoon Haiyan ripped across the central Philippines on Friday. The storm's massive surge, reported to be as high as four meters in cities like Tacloban, is blamed for much of the destruction.

