This project is in response to Typhoon Pablo (Boohoo) that affected millions and displaced thousands of people and destroyed major infrastructures in Eastern Mindanao, Philippines on 4 December 2012. The distribution of solar lanterns (coupled with solar phone chargers) will aim to mitigate some of the primary protection concerns that the Pablo-affected communities are facing. In particular, it will aim to enhance the protection of indigenous communities living in remote areas, and that are particularly fragile due to multiple displacement over the years. Women and children will also feel safer. This project aims to be completed in April 2013.

**SOLAR LANTERN DISTRIBUTED**

REACHED

7,428*

*8 units were lost during local transportation

Completed 100%

TARGET

7,434

**CURRENT BENEFICIARIES**

72,813 persons

of which, 4,656 are persons with specific needs

Female 37,467 51%
Male 35,326 49%

LOCATION

178 priority communities
98 public spaces

118 priority communities
142 public spaces

Selection Criteria Category 1: Priority Communities

Communities that are extremely fragile. This includes those villages and urban centres that have been (near) completely destroyed by the Typhoon, but have also been weakened by decades of armed conflict, that do not have any infrastructure for electricity, and who are located in remote areas. Many of them are home to indigenous communities.

Selection Criteria Category 2: Public Spaces

Public spaces such as medical clinics, women and child friendly spaces as well as evacuation centres that do not have electricity (it is worth noting that most communities are residing outside evacuation centres). Selection was done in coordination with Child Protection and Gender-Based Violence sub-clusters, Camp Coordination and Camp Management Cluster.

**DISTRIBUTION**

“Very big thank you. Among all the UN agencies, the only one present here is UNHCR who gives us solar lanterns.” Barangay official of Maagbay, Laak Municipality.

“If it were not for Pablo, we would have never received better lighting.” Tribal chieftain of Barangay Prosperidad, Montevista Municipality, where electricity had never reached and people had been relying on hand-held kerosene lamps until lanterns were distributed.

“Before (receiving the solar lanterns), we used kerosene for our lamps. Those who cannot afford to buy (fuel), they used to cut a piece of rubber from their slippers, put it in an empty can, and light it for lighting.” a woman in Barangay Pansabangan, New Bataan Municipality.
**LOGISTICS**

**ORDER**
- 8 FEBRUARY: 6,432 pcs
- 22 FEBRUARY: 1,002 pcs
- **TOTAL: 7,434 pcs**

**INTERNATIONAL SHIPMENT**
- 22 & 23 FEBRUARY: 3,216 pcs
- 7 & 8 MARCH: 4,218 pcs
- **TOTAL: 7,434 pcs**

**DOMESTIC (AIR) SHIPMENT**
- 26 FEBRUARY: 1,704 pcs
- 28 FEBRUARY: 1,152 pcs
- **TOTAL: 2,856 pcs**

**DOMESTIC (LAND) SHIPMENT**
- 21 MARCH: 4,578 pcs
- **TOTAL: 4,578 pcs**

**EXPENDITURE**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>COST</th>
<th>REMARK</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,434 pcs of solar lanterns</td>
<td>$288,067.50</td>
<td>$38,700.00 per Unit</td>
</tr>
<tr>
<td>International shipment (India-Philippines)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st shipment (6,432 pcs)</td>
<td>$38,700.00</td>
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</tr>
<tr>
<td>2nd shipment (1,002 pcs)</td>
<td>$6,075.00</td>
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<tr>
<td>Trucking (airport to warehouse)</td>
<td>$1,995.00</td>
<td>$1,100.00 (Pphp, UN rate USD 1 = Pphp 10)</td>
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<tr>
<td>Handling</td>
<td>$1,100.00</td>
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<tr>
<td>Warehouse storage</td>
<td>$1,001.73</td>
<td></td>
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<tr>
<td>Custom clearance</td>
<td>$4,663.25</td>
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</tr>
<tr>
<td>Domestic shipment (Manila-Quezon)</td>
<td>Free of charge</td>
<td></td>
</tr>
<tr>
<td>1st in-country shipment (2,056 pcs)</td>
<td>Free of charge</td>
<td></td>
</tr>
<tr>
<td>Domestic shipment (Davao-Agusan)</td>
<td>Free of charge</td>
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</tr>
<tr>
<td>1st in-country shipment (2,650 pcs)</td>
<td>Free of charge</td>
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<tr>
<td>Domestic shipment (Mindanao/Island)</td>
<td>22,000 Pphp per truck x 2</td>
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<tr>
<td>Insurance of shipment (Manila-Quezon)</td>
<td>341.16</td>
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<tr>
<td>1st in-country shipment (4,578 pcs)</td>
<td>14,184.30 (Pphp, UN rate USD 1 = Pphp 10)</td>
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<tr>
<td>Mula by land</td>
<td>$2,562.50</td>
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<tr>
<td>Visibility sticker</td>
<td>$21.25</td>
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<tr>
<td>Distribution</td>
<td>Sub-total: $370,352</td>
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<tr>
<td>Plan overhead cost</td>
<td>$25.95</td>
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<tr>
<td><strong>Grand total</strong></td>
<td>$398,276 GBD 246,880</td>
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</table>

**CHALLENGES**
- Precarious security environment, especially after the end of ceasefire between the Armed Forces of the Philippines and New People’s Army on 15 January 2013.
- Difficulty in transporting solar lanterns on vehicles, canoes and motorbikes in remote communities.
- Prioritization of communities, especially demands for lanterns exceed the number of supplies.
- Major delay in distribution due to manufacture and shipment delay.

**IMPACT**

During the post-distribution monitoring in 16 barangays in 10 municipalities, SILDAP and UNHCR collected feedbacks from women, men, youth, community leaders and tribal chieftains.

**Physical and Personal Security**
- Women and children feel safer to freely walk at night.
- Women feel safer to do household chores at night.
- Helps ensure safety of the families living in bunkhouses.
- Gives light to the pathways in tent city and keep IDPs safe from possible snake bites.
- People have charged mobile phones to report security matters.

**Family, Community and Cultural Values**
- Parents spend more time with children nurturing healthy family environment.
- Children study at night.
- Teachers are able to prepare easily their lesson plans and learning materials at night.
- Sense of community is restored through increased opportunities for gathering. Community members create a temporary plaza with solar lanterns for children play.
- Families stay connected with relatives and friends through their charged mobile phones.

**ENHANCED PROTECTION ENVIRONMENT**
- Some residents can make more handicrafts and earn additional income for the family.
- Some elderly can now prepare home-based food products (kakanin) for sale comfortably and neat without worrying that fuel fumes may contaminate the ingredients.
- Families no longer buy fuel for lamps saving minimum of PHP 50 ($1.25) per week, allowing them to spend saving for other family necessities.