Cyclone Yaas Disaster Relief

Providing relief to 175 villages (~375K population) devastated by Cyclone Yaas

Fighting disasters at the frontlines of climate change
Support needed from Asha for Education - 2500 families will be supported with relief support (dry food/dry ration) as Emergency support. Each kit will cost 200 INR.
Total proposed budget = 2500 x 200 = 5,00,000 INR
## Overall Proposal/Commitment as of May 31, 2021

<table>
<thead>
<tr>
<th>No.</th>
<th>Issue</th>
<th>Action Initiative</th>
<th>Count</th>
<th>Units</th>
<th>Beneficiary</th>
<th>Rate</th>
<th>Budget ($)</th>
<th>% funded</th>
<th>Commitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Deep tube well and sweet water ponds are flooded with saline water. SOS calls for drinking water for human and cattle</td>
<td>Using local van with water tank/drum to carry drinking water from distance and support in affected villages. Drinking water support to flooded area. Planned for 15 days</td>
<td>100 villages</td>
<td>400 families per village</td>
<td>100 liters of water / Rs 0.25 per liter</td>
<td>60,00,000 liters of water</td>
<td>40,000 families</td>
<td>₹24,600,000.00</td>
<td>50%</td>
</tr>
<tr>
<td>2</td>
<td>Mud/pucca houses are damaged due to flood and cyclone. Menstruation starting soon.</td>
<td>Supporting temporary shelter with tarpaulins</td>
<td>2,000</td>
<td>tarpaulins</td>
<td>2,000 families</td>
<td>₹500</td>
<td>₹1,000,000.00</td>
<td>50%</td>
<td>Kolkata Gives</td>
</tr>
<tr>
<td>3</td>
<td>Houses, kitchen, firms are flooded and people taken to road/highland and relief centers.</td>
<td>Support dry food, baby food, biscuits and dry ration. Planned for 100 villages</td>
<td>10,000</td>
<td>families</td>
<td>10,000 families</td>
<td>₹200</td>
<td>₹2,000,000.00</td>
<td>50%</td>
<td>Kolkata Gives</td>
</tr>
<tr>
<td>4</td>
<td>Houses, kitchen are displaced and waterlogged, not in position to cook.</td>
<td>Community Kitchen to feed cooked food for hungry displaced people. 100 villages</td>
<td>10,000</td>
<td>families</td>
<td>10,000 families</td>
<td>₹15</td>
<td>₹1,500,000.00</td>
<td>50%</td>
<td>Kolkata Gives</td>
</tr>
<tr>
<td>5</td>
<td>Water is contaminated, anticipating huge menstrual disease breakout.</td>
<td>Women sanitary napkin support</td>
<td>1,000</td>
<td>napkins</td>
<td>1,000 families</td>
<td>₹20</td>
<td>₹2,000,000.00</td>
<td>50%</td>
<td>Kolkata Gives</td>
</tr>
<tr>
<td>6</td>
<td>Large number of river embankments damaged and sea saline water flooding in and out.</td>
<td>Need to rebuild river embankment collaboration with Govt/NREGA, our support @Rs 100 per day for 50,000 days of work</td>
<td>50,000</td>
<td>patients</td>
<td>50,000 patients</td>
<td>₹10</td>
<td>₹5,000,000.00</td>
<td>50%</td>
<td>Kolkata Gives</td>
</tr>
<tr>
<td>7</td>
<td>Few areas even many KM do not have any sweet water sources. Local people, cattle, birds and other animals are in challenge.</td>
<td>Watering of community ponds from saline water for domestic and agricultural purpose. Planned to clean 1000 ponds to create sweet water source.</td>
<td>1,000</td>
<td>ponds cleared</td>
<td>1,000 ponds</td>
<td>₹4,000</td>
<td>₹4,000,000.00</td>
<td>50%</td>
<td>Kolkata Gives</td>
</tr>
<tr>
<td>8</td>
<td>Cattle's, fish and other animals died and rotting in saline flooded water. There would be bacteria outbreak.</td>
<td>Reaching and times support</td>
<td>20,000</td>
<td>kg</td>
<td>₹10</td>
<td>₹200,000.00</td>
<td>50%</td>
<td>Kolkata Gives</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Cattle food and grass land is completely damaged</td>
<td>Immediate need cattle food support to save domestic animals including cows. (100 cattle in 100 villages)</td>
<td>10,000</td>
<td>cattle</td>
<td>10,000 families</td>
<td>₹200</td>
<td>₹2,000,000.00</td>
<td>50%</td>
<td>Kolkata Gives</td>
</tr>
<tr>
<td>10</td>
<td>Total Budget</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>₹24,600,000.00</td>
<td></td>
<td>50%</td>
</tr>
</tbody>
</table>

More details in the following slides
Path of the cyclone

- Landfall on Sundarbans on 26th May 2021.
- Wind speed of 130-140 Km/hr
- Estimated 15cr of loss to the state economy
- 10 million people directly impacted
- Saline water flooding leading to damage of 90% of agricultural land
- 6 people died
Deadly Cyclone Yaas hits India’s eastern coast, villages flooded

Heavy rains and winds lash eastern India as COVID-stricken country’s second cyclone in as many weeks kills three and displaces 1.2 million people.

“This cyclone spells double trouble for millions of people in India as there is no respite from COVID-19,” said Udaya Regmi, the South Asia head of the International Federation of Red Cross and Red Crescent Societies.

CNN report

Cyclone Yaas was packing gusts of up to 140 kilometers per hour (87 mph), the equivalent of a Category 1 Atlantic hurricane, as it made landfall.

It arrives just days after another cyclone tore up the western coast, triggering mass evacuations and piling pressure on authorities battling a deadly second wave of the coronavirus.

In West Bengal, an eastern state that borders Bangladesh, authorities said around 1,100 villages had been flooded by storm surges, leaving at least 50,000 homeless. “But the figure may rise as reports are yet to reach us from interior areas,” state minister Bankim Hazra told Reuters.

“This cyclone spells double trouble for millions of people in India as there is no respite from COVID-19,” said Udaya Regmi, the South Asia head of the International Federation of Red Cross and Red Crescent Societies.
Accelerating climate change crises

Nearly 1.4 billion people live along the coastline of the Bay of Bengal. The coastal Bengal region has a population of over 5 million.

- 1970 Cyclone Bhola (500k+ killed)
- 2009 Cyclone Aila (1M+ homeless)
- 2019 Cyclone Bulbul (3.5M+ affected)
- 2020 Cyclone Amphan: strongest since 1833; 1M+ homes damaged; 700K+ acres farmland destroyed *
- 2021 Yaas damaged 70-80 % of firm land with saline water

COVID-19 pandemic & cyclones have created financial distress & lack of food security / sustainable livelihood

DASRA reports 70% of sex-trafficking victims in India comes from the area (ground reports showed a huge increase in trafficking post Cyclone Aila)

*Wikipedia + News Sources
Storm blow to mangrove migrants

Calcutta: Thousands of rural families in west Bengal’s Sundarbans have been displaced by the cyclone that hit the region on Saturday. The cyclone, which weakened into a depression on Monday, caused extensive damage to the coastal areas.

In the Sundarbans, a. region of mangrove forests, the cyclone caused flooding and winds that destroyed homes and infrastructure. Many families lost their livelihoods and are facing a severe crisis.

According to the National Disaster Response Force (NDRF), over 1.5 lakh people have been affected by the cyclone. The authorities have requested assistance from the central government to help the affected communities.

The cyclone, named Yaas, hit the west coast of India on May 26, causing widespread damage. The strong winds and heavy rainfall have resulted in significant loss of life and property.

The weather department has warned that the cyclone may intensify further and could cause more destruction in the coming days.

The government has set up relief camps to provide food, shelter, and medical aid to the affected people. The army and other disaster response teams are working to reach the remote areas and provide necessary assistance.

The cyclone has affected several districts in west Bengal, with the Sundarbans being the worst hit. The region is a vital part of the world’s largest mangrove forest and is home to many species of flora and fauna.

The authorities are urging people to stay safe and avoid venturing out during the cyclone. They have also requested the help of international organizations to support the relief efforts.

For more information, please visit https://www.telegaphindia.com/amp/west-bengal/calcutta/cyclone-yaas-blow-to-sunderbans-migrants/cid/1817094.
All photos here taken by Mukti’s own volunteers on the ground
- 185 out of 380 villages surveyed affected; ~60% of them badly
- River embankments breached by 30 foot waves destroying farms and submerging homes
- Food security a huge issue
- Severe lack of drinking water
- Emerging health crisis due to both COVID and water borne diseases
- Women and children health issues caused by unhygienic water conditions and food shortage
- Cattle food is crisis
- Many people living under open sky
Building of river embankment
Relief Started

<-Cook Food

Dry Ration ->

<-Drinking Water

Tarpolin Support ->
Relief & Rehab Started, Looking for your hand
### Coordinated Joint Yaas Relief and Recovery Plan and Budget

<table>
<thead>
<tr>
<th>NO</th>
<th>Issues</th>
<th>Response</th>
<th>Unit</th>
<th>Rate</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Needs of the hour – Immediate Requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Deep Tube well, sweet water Ponds are flooded with saline water. SOS call for drinking water for human and cattle</td>
<td>Using local van with water tank/drum to carry drinking water from distance and support in affected villages. Drinking water support to flooded area. Planned for 15 days @Rs1000 X 100 places</td>
<td>100</td>
<td>15,000</td>
<td>15,00,000</td>
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<td>2</td>
<td>Mud/ semi pakka houses are damaged due to flood and cyclone</td>
<td>Supporting tarpaulins for temporary shelter</td>
<td>2,000</td>
<td>500</td>
<td>10,00,000</td>
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<tr>
<td>3</td>
<td>Houses, kitchen, fms are flooded and people taken shelter on road/ highland and relief centers</td>
<td>Relief Support: dry food, baby food, biscuits and dry ration</td>
<td>100</td>
<td>20,000</td>
<td>20,00,000</td>
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<td>House, kitchen are displaced and waterlogged, not in position to cook</td>
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<td>2,000</td>
<td>15</td>
<td>30,00,000</td>
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<td>5</td>
<td>Usable water is contaminated, anticipating huge menstrual decease breakout</td>
<td>Women sanitary napkins support</td>
<td>1,00,000</td>
<td>20</td>
<td>20,00,000</td>
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<tr>
<td>6</td>
<td>Covid 2nd wave and post calamity health issue breakout is anticipated.</td>
<td>Medical Camps, each camp with 2 doctors, and medicine free for 100 Patient, planning for 500 camps to support 500 X100 = 50,000 patient</td>
<td>500</td>
<td>7,000</td>
<td>35,00,000</td>
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<td>Large number of river embankment damaged and sea saline water flowing in and out</td>
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<td>50,000</td>
<td>100</td>
<td>50,00,000</td>
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<td>Few area even many KM do not have any sweet water sources. Local people, cattle, birds and other animals are in challenge</td>
<td>De-watering of Community ponds: from saline water for reserving sweet rain water for domestic and agriculture purpose. Planning to clean 1000 ponds and create sweet water source.</td>
<td>1,000</td>
<td>4,000</td>
<td>40,00,000</td>
</tr>
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<td>9</td>
<td>Cattle’s, fish and other animals died and rotting in saline flooded water. There would be bacteria outbreak</td>
<td>Bleaching and limes support</td>
<td>20,000</td>
<td>30</td>
<td>6,00,000</td>
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<td>Cattle food and grass land is completely damaged</td>
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<td>100</td>
<td>20,000</td>
<td>20,00,000</td>
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**Total Budget**: ₹2,46,00,000
NGO operations lead – Mukti

Started in 2003 by Sankar Haldar for the needy people of Sundarban, West Bengal

Registered under the Govt. of India Trust Act Section 64, compliance with 12A, 80G and FCRA, DARPAN Govt. India

600+ volunteers working in UNESCO declared World Heritage site Sundarban region of India in the areas of health, education, agriculture, livelihood, environment and rights

Focused on women empowerment: 46% employees/volunteers & 61% beneficiaries are women

95% of Mukti’s workforce work at the grassroots level for any given project

Recipient of APJ Abdul Kalam, Star of Asia, Bharat Excellence, Vivek Swanman, True LEGEND, Amricare, and Krishiratna Awards

*Mukti was among 6 NGOs selected by Kolkata Foundation after reviewing 200+ NGOs in partnership with Kolkata Gives
Mukti efforts during Cyclone Bulbul & Amphan
How can you support

**Donation in cash**

- Donation from India please use domestic SBI account
- Donation from Outside India please use foreign Donation SBI bank account

**Donation in kind**

You may book essential materials from online store and ask to deliver at Mukti City office, 22 Canal side road, Garia

Online link

https://muktiweb.org/product/donate-yaas