East Coast Cyclones – Impact on Sustainable Development Goals

1. Background and Rationale

Nine coastal districts of Andhra Pradesh are vulnerable to the impacts of cyclones. Andhra Pradesh experience cyclones in both pre-monsoon months (April-May) and post-monsoon months (September-December). According to IMD, north Andhra districts are under Red alert zone. The IMD as predicated Cyclone Fani crossed North Srikakulam District, Andhra Pradesh in the early hours.

Bay of Bengal witnessed four very severe cyclones in a span of 6 years – Phailin, Hud Hud, Titli, and Fani. The damages to infrastructures, crops are high and adding to it is the loss of livelihood to clear majority of fishing and farmers community. The weather condition often in the coast disrupts the livelihood of traditional fishermen community. Damages to the individual households are also high during cyclone Phailin, Hud Hud and Titli. Especially at interior tribal hamlets because of forest, hilly terrain and inaccessible to the main land the damage happened to them is uncountable. The occurrence of the cyclones on east coast became more frequent and increasing intensity.

During Cyclone Fani, nine mandals under Tekkali Revenue division of Srikakulam district was impacted the most. The impact was due to high intensity winds at 140 km/hour and heavy rains. The cumulative highest rainfall was recorded in Ichapuram mandal of Srikakulam district is 197.75mm and highest wind speed was recorded in M. S. Palli location in Kanchili mandal (Srikakulam) district is 77.8 kmph. After Cyclone Titli as Srikakulam district administration is ready with updated preparedness plan. Immediately after receiving early warning of Cyclone Fani, teams were deployed for disaster preparedness, response and relief activities. Through improved early warning system, given alerts to the community and coordinated better in disaster response activities. The learnings from Cyclone Phailin and Titli were taken into consideration while preparing well for the cyclone Fani. The State government had made significant arrangement for humanitarian and co-ordination actions. Government has deployed 300 members of NDRF teams in Srikakulam (225), Vizianagaram (25), Vishakhapatnam (50) Districts. Nine teams, each team comprising of 25 members, were deployed to Ichapuram, Mandasa, Kaviti, Bhamini, Sompeta, Tekkali, Kotturu and Palasa mandals of Srikakulam. Fire department deployed 36 teams in 16 mandals of Srikakulam district (183 Members).

A total of 733 villages were affected as reported on 3rd May 2019, wherein the damages were related to uprooting of electricity poles, plantation trees and damage to Salt farms. The district administration evacuated 3334 families to 139 cyclone shelters/relief camps. The process of restoring the basic power restoration was taken up very fast. UNICEF/UNDP along with CADME members, initially made visit to affected areas and understood the need to conduct assessment of 30 villages and prepared the Joint Rapid Needs Assessment (JRNA) report.

2. Objective of the consultation
   - To understand the impact of cyclones on development of the East Coast, with special reference to Andhra Pradesh.
   - To share the JRNA assessment of Srikakulam for Cyclone Fani
   - To find ways towards resilience building.

3. Outcome of the consultation:
   - Take stock of AP Government intervention for Cyclone mitigation and preparedness work.
   - Role of various stakeholders in mitigation and preparedness for Cyclone.
   - Suggestions for way forward roles for various stakeholders for short and long term intervention.
## WORKSHOP ON

**East Coast Cyclones – Impact on Sustainable Development Goals**

Visakhapatnam, **Andhra Pradesh, India**  
**Date:** 22 May, 2019  
**Venue:** APHRDI, Visakhapatnam

<table>
<thead>
<tr>
<th>Day</th>
<th>Session Name</th>
<th>Topics</th>
<th>Resource Person/Facilitator</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DAY 1:</strong> (One day program)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.15 to 9.45</td>
<td><strong>Registration</strong></td>
<td></td>
<td>APHRDI</td>
</tr>
</tbody>
</table>
| 10:00 to 10:45 | **Session 1**  
Welcome, Inaugural and Overview of Cyclone in East Coast | **Welcome and opening remarks**  
(10.00 to 10.15)  
**Keynote address**  
(10.15 to 10.45) | Director General, APHRDI,  
Government of Andhra Pradesh  
Prof. S. Ramakrishna Rao  
Vice-Chancellor (Retd),  
Krishna University  
Professor (Retd),  
Andhra university  
Ex-Director, MoEF&CC |
| 11:00 to 11:15 | **TEA/Coffee break** |  |  |
| 11.15 to 12.00 | **Session 2**  
Learnings from past disasters - Cyclone | **Presentation:**  
Learnings from past Cyclones - Phailin, HudHud, Titli and Fani  
(11.15 to 11.45)  
**Sharing of experience**  
(11.45 to 12.00) | Mr. Murali Mohan Reddy  
Disaster Management Expert  
**Facilitation:** Mr. Rama Murthy, APHRDI |
| 12.00 to 13.15 | **Session 3**  
Role of institutional mechanisms and effectiveness | **Presentation:**  
Early warning, Rescue and Evacuation  
(12.00 to 12.30)  
**Presentation:**  
Shelter management, Relief and Post disaster action  
(12.30 to 12.50)  
**Panel/Group discussion**  
(12.50 to 13.15) | Mr. K. Srinu Babu, Station Fire Officer, Srikakulam  
Mr. Ramana Murthy,  
SWEEP NGO, Srikakulam  
Line departments, CSO and Community  
**Facilitation:** Prof. Bala Prasad |
<p>| 13.15 to 14.00 | <strong>Lunch</strong> |  |  |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Name</th>
<th>Topics</th>
<th>Resource Person/Facilitator</th>
</tr>
</thead>
</table>
| 14.00 to 15.30 | **Session 4** Cyclone impact on specific groups and institutions, due to cyclone | • **Presentation:** Community Resilience (14.00 – 14.30)  
• **Presentation:** Cyclone Fani - JRNA assessment of Srikakulam (14.30 – 14.45)  
• **Panel/Group discussion** (14.45 pm to 15.30 pm) ✓ Women and Children ✓ Fisher folk ✓ Farmers ✓ Tribal community ✓ Institutions – Power, Agriculture, Horticulture, Health, Education etc | Mr. M. Gurudatt Prasad, Action/CADME  
CADME Team members  
NGOs, CSOs, Departments and Community Representatives.  
**Facilitation:** Mr. Murali Mohan Reddy |
| 15.30 to 16.15 | **Way forward for building resilience and conclusion** | Panel – APHRDI, District Administration, Andhra University, UNICEF and UNDP | |
| 16.15  | **Vote of Thanks**                               |                                                                        | Mr. Rama Murthy, APHRDI                               |