

CYCLONE IDAI SITUATIONAL REPORT AS AT 24rd MARCH 2019

Update

Flooding, landslides and mudflows were the most common problems that affected Chipinge and Chimanimani Districts whilst Mashonaland East, Masvingo and Midlands were verily affected by flooding which resulted in the destruction of homes and critical infrastructure and loss of lives. Search and rescue operations are continuing in Chimanimani District and most areas are now accessible and the distribution of humanitarian aid has intensified. Distribution of donated goods to the affected families in the districts commenced in all the affected provinces which were in the form food stuffs, blankets, clothing, kitchen utensils and fuel. The donations were received from Government and Partners, private sector, civic society, Faith Based Organizations and the general public. However, Tropical Cyclone Idai Disaster had resulted in injuries, loss of life and severe destruction to critical infrastructure (health, education, water and sanitation, electricity and shelter).As at 24 March 2019, the impacts are as follows:-

Deaths: 172 and 99 deceased persons have been buried
Injured: 186 of 38 are in a serious condition
Missing: 327
Displaced: 7 703 houses were damaged living 4 671 people homeless
Bridges destroyed: 11
Church: 1
Prison: 1

Roads: Chimanimani is now accessible from Chipinge using old Chipinge – Chimanimani Road; other roads that are passable include Nyanyadzi – Chikwizi Road, Wengezi – Cheusingi Road, Mutambara – Chinhenga road and Himalaya to Mambwere Road.

Schools

Equally affected are the Boarding Schools such as Mutambara High, Lydia Chimonyo, Biriiri High, St Charles Luwanga, Chimanimani Junior and Rusitu Mission. Affected hospitals are Mutambara, Biriri Rural Hospital, Ngangu Clinic, Tilbury Clinic, Rusitu

Mission Hospital and Nyahode Clinic and other commercial related activities. A total of 42 people disaggregated as 13 from ZCDC, 15 Dhombera and 9 in Ndiadzo near Copper area.

HYDROLOGICAL UPDATE AS AT 24/03/2019

WATER

INTRODUCTION

The reporting week was characterised by massive flooding caused by the Tropical Cyclone Idai which left a trail of destructions on water supply infrastructure which crippled the mandate of water service delivery by ZINWA. A total of 18 water supply stations in the worst affected districts of Chimanimani, Chipinge, Mutasa, Buhera, and Mutare were affected. The extent and magnitude of the damage is being ascertained. As anticipated the, rainfall received led to the increase in dam levels as well as river flows in the areas impacted by the Cyclone.

NATIONAL DAM LEVELS

An increase in the national storage levels was recorded during the week as a result of the Cyclone Idai induced inflows. The national storage levels are averaging **70.4% full** as at the 21st of March 2019 after rising by **2.1%** from 68.3% full observed on the 14th of March 2019. However, the dam levels remain below the expected levels of 71.9% at this time of the year.

The national rise in the dam levels was mainly attributed to the provinces which were affected by Cyclone Idai. Manicaland Province which was the most impacted by the Cyclone had the highest storage rise of 12.3%, followed by Mashonaland East (3.8%), Masvingo (2.2%) and Mashonaland Central (0.2%). The other provinces recorded a net decrease in the storage levels due to the low influence of the Cyclone in those areas.

Most of the major dams in Manicaland such as Bangazaan and Zimunya as well as Siya, Munjanganja and Turramura in Masvingo Province spilled during the week. Only Chikomba Dam in Mashonaland East among the other provinces spilled during the week.

RIVER FLOWS

Extremely high flows were recorded in most of the rivers located in Manicaland and Masvingo Province. The high flows caused flooding problems mainly in Chipinge and Chimanimani District.

WATER SUPPLY STATIONS AFFECTED BY CYCLONE IDAI

The table below shows the stations affected by Cyclone in Manicaland Province and the preliminary resources required for restoration amounts to \$1.8 million. More detailed assessments will be carried in due course.

Table 4: Water supply stations affected and preliminary requirements

Name of Station	Nature of Damage	Estimate Cost	Remarks
Middle Sabi Irrigation Scheme and Chipangayi Water Supply	1. Flooding of the main office, night storage Dam 2 and dam 3 due to rising water levels 2. Main pump house about to be submerged as the water levels continue rising in Save River 3. Roads to Chipangayi shopping centre (higher altitude) are now impassable. 4. Chipangayi water supply pump operated from the canal. (Note, these relate to clear water supply only, irrigation schemes to be drafted separately).	\$47,650	1. ZINWA employees stationed at Office compound have sought refuge at local school but are at risk of being marooned if water levels continue to rise. 2. Six pumpsets at Main pump house which had been removed are now being reinstalled 3. 49 Pumpsets for farmers have been flooded and require replacement
Mutema Irrigation	1. The irrigation scheme has been completely flooded.	\$28,900	1. Farmers affected 2. Crops affected 3. Borehole affected
Nyanyadzi Irrigation	1. Rising river levels in Odzi River about to flood Nyanyadzi pumps	\$18,900	1. Farmers affected 2. pump sets affected
Taona Irrigation	Raw water pumps are about to be submerged.	\$16,340	1. Farmers affected 2. pump sets affected
Checheche Water Supply (FTW)	1. Water levels are rising in Save River. 2. Checheche clear water supply pumps removed on 16 March 2019 to a higher and safe ground	\$55,000	1. Station supplies water to 1471 households. 2. Raw water suction main
Zimunya Water Supply (FTW)	1. Affected ZESA supply transmission lines 2. Flooded intake canal. 3. 250 m ³ Storage tank blown roof	\$19,120	Station supplies water to 863 households

Name of Station	Nature of Damage	Estimate Cost	Remarks
Nyanyadzi Water supply (BH)	1. Power lines stolen at the station. 2. Some water reticulation lines washed away 3. Access road to boreholes damaged	\$130,320	Station supplies water to 1209 households
Murambinda Water Supply (FTW)	1. Affected ZESA supply transmission Lines 2. Raw water pump house flooded	\$81,200	Station supplies water to 1035 households.
Matendeudze Water Supply (BH)	1. Station flooded due to heavy rains. 2. Pumping mains and reticulations washed away.	\$222,400	Station supplies water to 527 households
Biriwiri Water Supply (BH)	1. Station flooded due to heavy rains. 2. Pumping mains and reticulations washed away. 3. Access road to boreholes damaged	\$344,650	1. Station supplies water to 143 households 2. Operator's delta hut & spare pipes was swept away. 3. Access roads to the station damaged by floods.
Tanganda Water Supply (BH)	1. Station flooded due to heavy rains. 2. Pumping mains and reticulations washed away.	\$217,540	Station supplies water to 110 households
Chibuwe Water Supply (BH)	Affected ZESA supply transmission lines and possible flooding	\$93,700	Station supplies water to 240 households
Birchenough Bridge Water Supply	1. Raw water pump house affected. 2. Silted raw water abstraction point	\$193,350	Station supplies water to 326 households
Chibunji/Rimbi Water Supply (BH)	1. Affected ZESA supply transmission lines and possible flooding. 2. Reticulation affected	\$64,350	Station supplies water to 1141 households
Marowanyati dam	1. Dam at full supply level and spilling 2. Rising river levels in Mwerahari River		1. Raw water pump house. 2. Six people have been marooned
Romsely Admin (BH)	1. Access road to the station damaged 2. Station flooded due to heavy rains.	\$23,400	Station supplies water to 55 households
Odzi Water Supply (FT)	1. Access road to the station damaged 2. Affected ZESA supply transmission lines and possible	\$181,550	Station supplies water to 247 households

Name of Station	Nature of Damage	Estimate Cost	Remarks
	3. Reticulation affected		
Buhera Water Supply (FT)	1. Access road to the station damaged 2. Affected ZESA supply transmission lines and possible 3. Reticulation affected	\$54,790	Station supplies water to 247 households
		\$1,793,160	

2.1 Highlights of intervention made so far

- Restored water supply to Murambinda by putting back raw water pump that was earlier removed for safety from rising flood waters.
- Reinstalled raw water pumps at Checheche that had earlier been removed to safety higher ground.
- Mobilised excavator to work on Jopa – Skyline Road detour near Rusitu River.
- Middle Sabi canal damage assessment carried out
- Two bowsers mobilised to service the Chipinge District clientele
- Jojo tanks mobilised and distributed as shown in the table below

Stations name	Tanks distribution
Checheche	2*5 000litres
Rimbi	2*10 000litres
Chibuwe	1* 10 000litres
Buhera	2* 10 000litres
Murambinda	2 * 10 000litres

The following stations have started pumping as ZETDC had restored power.

Station/s name/s	Comments

FORECAST FOR TOMORROW MONDAY 25 MARCH 2019

Pleasantly sunny conditions should be enjoyed by all in most parts of the country except for Mashonaland East, Harare Metropolitan Province and Mashonaland Central provinces where some scattered clouds may start developing by mid-morning. Mild at first, becoming hot by afternoon then cool towards evening

WEATHER FORECAST FOR TUESDAY 26 MARCH 2019

It should be cloudy, warm and windy with patchy drizzle in Matabeleland South, Masvingo and Manicaland. The rest of the country should remain predominantly sunny. Mild at first, becoming hot by afternoon then cool towards evening.

Achievements made to date

Chimanimani: Search and rescue operations are continuing in Chimanimani District and most areas in the district were not accessible such as Ngundu, Machongwe and Koppa are now accessible and the distribution of humanitarian aid has intensified.

Mutare: the district is distributing humanitarian aid targeting one hundred (100) families in Manzumzu area

Masvingo: The distribution of donated goods to the affected families in the district commenced

Challenges

There has been poor access to the areas affected due to impassable road and poor communication worsened the situation. Chimanimani District Civil Protection Committee failed to conduct rapid needs assessments in the affected areas. Though the Meteorological Services Department forecasted sunny conditions, possibilities of weather changes may hinder progress for search and rescue. Funding constraints may limit progress in all areas of operation.