PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT REPORT OF RANGPUR AND MYMENSINGH DIVISION, BANGLADESH—5 AUGUST 2020

5 AUGUST 2020

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT
RANGPUR AND MYMENSINGH DIVISION, BANGLADESH

STATUS: FLOODS DETECTED IN AGRICULTURAL AND URBAN AREAS
FURTHER ACTION(S): CONTINUE MONITORING
OVERVIEW / BASED ON AOIs ASSESSED

Date of assessment validity: 5 AUGUST 2020

Impact and severity*:
- undetected
- limited impact potentially detected
- significant impact potentially detected

Potentially affected elements at risk (indicate all that are applicable):
- buildings - residential
- buildings - commercial/industry
- vulnerable structures (e.g. schools, hospitals, water, sanitation, power stations)
- internally displaced persons (IDP) camps
- transportation network
- agriculture

Data sources:
1. pre-event (reference) image: ESRI Base map
2. post-event images: WorldView-2, 3 August 2020, [2020 Digital Globe]
3. baseline data
   Administrative boundaries: Bangladesh Bureau of Statistics (BBS), OCHA ROAP, HDX

* disclaimer (i.e. assessment yet to be validated with field-based information)
AOI 1 – GANGACHARA UPAZILA, RANGPUR DISTRICT, RANGPUR DIVISION : FLOODS DETECTED

**BEFORE**

**AFTER**

Image Center:
89°17'52.334"E
25°50'23.14"N

ESRI Base Map

WorldView-2 / 3 August 2020
AOI 1 – KAUNIA UPAZILA, RANGPUR DISTRICT, RANGPUR DIVISION : FLOODS DETECTED

Image Boundary

Image Center:
89°21'39.192"E
25°46'11.34"N

ESRI Base Map

WorldView-2 / 3 August 2020

Inundated agricultural fields along the river
Houses appear impacted
AOI 1 – KAUNIA UPAZILA, RANGPUR DISTRICT, RANGPUR DIVISION: FLOODS DETECTED

Image Boundary
Image Center:
89°26′27.833″E
25°46′34.846″N

ESRI Base Map

WorldView-2 / 3 August 2020
AOI 2 – FULCHHARI UPAZILA, GAIBANDHA DISTRICT, RANGPUR DIVISION: FLOODS DETECTED NEAR THE JAMUNA RIVER

Image Center:
89°39.24.73'E
25°11.46.508'N

ESRI Base Map

WorldView 2 / 3 August 2020
AOI 2 – FULCHHARI UPAZILA, GAIBANDHA DISTRICT, RANGPUR DIVISION: FLOODS DETECTED NEAR THE RIVER

Image Boundary

Image Center:
89°38’27.98”E
25°41.239”N

ESRI Base Map

WorldView2 / 3 August 2020
AOI 2 – BAKSHIGANJ UPAZILA, JAMALPUR DISTRICT, MYMENSINGH DIVISION: FLOODS DETECTED

Esri Base Map

WorldView-2 / 3 August 2020
AOI 2 – ISLAMPUR AND BAKSHIGANJ UPAZILA, JAMALPUR DISTRICT, MYMENSINGH DIVISION: FLOODS DETECTED

Image Boundary

Image Center:
89°51'43.407"E
25°7'32.731"N

ESRI Base Map

WorldView 2 / 3 August 2020
SUMMARY OF PRELIMINARY OBSERVATIONS AND FURTHER ACTIONS

Date of assessment validity: 5 AUGUST 2020

Preliminary observations, impact and severity *:

- Flood waters detected in both AOIs
- Severe impact to the agricultural field can be observed in AOI2 as of 03 August 2020
- Many houses are inundated or surrounded by flood waters in AOI2 as of 03 August 2020
- Damaged roads can be observed in AOI2 as of 03 August 2020

Further/ anticipated actions from UNOSAT:

- ✗ no impact detected/ discontinue monitoring over specific AOI
- ☑ potential impact detected  ✗ continue monitoring over specific AOIs 1–2
- ✗ full assessment to be conducted
- ✗ more data and/ or information needed to confirm impact

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