Significant Weather Features

♦ The Cyclonic Storm 'FANI' (pronounced as 'FONI') over southeast Bay of Bengal & adjoining East Equatorial Indian Ocean moved north-northwestwards with a speed of about 13 kmph in last 06 hours and lay centred at 0530 hrs IST of today, the 28th April, 2019 near Lat. 7.3°N and Long. 87.9°E over southeast Bay of Bengal & neighbourhood, about 745 km east-southeast of Trincomalee (Sri Lanka), 1050 km southeast of Chennai (Tamil Nadu) and 1230 km south-southeast of Machilipatnam (Andhra Pradesh). It is very likely to intensify into a Severe Cyclonic Storm during next 12 hours and into a Very Severe Cyclonic Storm during subsequent 24 hours. It is very likely to move northwestwards till 30th April and thereafter recurve northeastwards gradually.

Main Weather Observations

♦ Rain/Thundershowers observed (from 0830 to 1730 hours IST of yesterday): at few places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, North Interior Karnataka and Andaman & Nicobar Islands.

♦ Rain/Thundershowers recorded at 1730 hours IST of yesterday (1 cm or more) were: Kailashahar and Car Nicobar -2; each Belgaum and Hutbay -1 each.

♦ Thunderstorms observed at isolated places over Assam & Meghalaya and North Interior Karnataka from 0830 hours IST of yesterday to 0530 hours IST of today.

♦ Yesterday, heat wave conditions were observed at many places over Vidarbha; at some places over Saurashtra & Kutch and in isolated pockets over West Madhya Pradesh, Marathwada and Madhya Maharashtra.

♦ Maximum temperature departures as on 27-04-2019: Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Gujarat state; appreciably above normal (3.1°C to 5.0°C) at many places over Nagaland, Manipur, Mizoram & Tripura and Vidarbha; at a few places over Himachal Pradesh, Uttarakhand, Assam & Meghalaya, Jharkhand, Odisha, Madhya Pradesh, Madhya Maharashtra and Marathwada; at isolated places over West Bengal & Sikkim, Bihar, Chhattisgarh, Telangana and Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at most places over East Uttar Pradesh; at many places over East Rajasthan, Rayalaseema, South Interior Karnataka and Andaman & Nicobar Islands; at a few places over West Uttar Pradesh, West Rajasthan, Punjab and Kerala; at isolated places over Haryana, Chandigarh & Delhi. They were below normal(-1.6°C to -3.0°C) at most places over Lakshadweep; at many places over Coastal Andhra Pradesh and Coastal Karnataka; at a few places over Jammu & Kashmir and Konkan & Goa and normal over rest of the country. Yesterday, the highest maximum temperature of 46.7°C was recorded at Akola (Vidarbha).

♦ Minimum temperature departures as on 27-04-2019: Minimum temperatures were markedly above normal (5.1°C or more) at isolated places over Madhya Maharashtra; appreciably above normal (3.1°C to 5.0°C) at a few places over Assam & Meghalaya, Sub- Himalayan West Bengal & Sikkim and Vidharbha; at isolated places over Rajasthan and Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at most places over Jharkhand, Chhattisgarh, North Interior Karnataka, Gujarat region and Nagaland, Manipur, Mizoram & Tripura; at many places over East Uttar Pradesh, Bihar and Kerala; at a few places over Gangetic West Bengal, Madhya Pradesh, Telangana, South Interior Karnataka and Tamilnadu & Puducherry; at isolated places over Himachal Pradesh, Punjab, Coastal Andhra Pradesh, Odisha and Andaman & Nicobar Islands; They were below normal (-1.6°C to -3.0°C) at isolated places over East Madhya Pradesh and near normal over rest parts of the country.

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(Services to the Nation since 1875)
Meteorological Analysis (Based on 0530 hours IST)

♦ The Cyclonic Storm 'FANI' (pronounced as 'FONI') over southeast Bay of Bengal & adjoining East Equatorial Indian Ocean moved north-northwestwards with a speed of about 13 kmph in last 06 hours and lay centred at 0530 hrs IST of today, the 28th April, 2019 near Lat. 7.3°N and Long. 87.9°E over southeast Bay of Bengal & neighbourhood, about 745 km east-southeast of Trincomalee (Sri Lanka), 1050 km southeast of Chennai (Tamil Nadu) and 1230 km south-southeast of Machilipatnam (Andhra Pradesh). It is very likely to intensify into a Severe Cyclonic Storm during next 12 hours and into a Very Severe Cyclonic Storm during subsequent 24 hours. It is very likely to move northwestwards till 30th April and thereafter recurve north-easterly gradually.

♦ The Western Disturbance as a cyclonic circulation at 3.1 km above mean sea level over Jammu & Kashmir and neighbourhood persists.

♦ A fresh Western Disturbance is very likely to affect western Himalayan region from the night of 29th April.

♦ The cyclonic circulation at 1.5 km above mean sea level over northern parts of West Bengal and neighbourhood persists.

♦ The cyclonic circulation extending up to 0.9 km above mean sea level over central parts of Madhya Pradesh persists.

♦ The trough from the above cyclonic circulation to south Konkan across Vidarbha and Madhya Maharashtra persists.

♦ The east-west trough at 0.9 km above mean sea level from northeast Uttar Pradesh to Manipur across Bihar, Sub-Himalayan West Bengal and Assam & Meghalaya persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 03rd May 2019

♦ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.

♦ Day maximum temperatures are very likely to rise by 2-4°C over West & adjoining central India during next 72 hours. No significant change likely over the rest of the country during this period.

Weather Outlook for subsequent 2 days from 03rd May 2019 to 05th May 2019

♦ Widespread rainfall likely over northeast India & Andaman & Nicobar Islands and scattered to fairly widespread over western Himalayan region; Isolated to scattered rainfall likely over east & south peninsular India and Lakshadweep.

♦ Dry weather likely over the rest of the country.

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**Weather Warning during next 5 days.**

28 April (Day 1): ♦ Gale wind, speed reaching 80-90 kmph gusting to 100 kmph and very rough to high sea conditions very likely over Southwest Bay of Bengal & adjoining east Equatorial Indian Ocean along & off Sri Lanka coast.. Strong wind speed reaching 30-40 kmph gusting to 50 kmph very likely along & odd Puducherry coast, Comorin area, Gulf of Mannar and over Kerala. Fishermen are advised not to venture into these areas.

♦ Thunderstorm accompanied with lightning & squall (wind speed reaching 50-60 kmph) at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya; with gusty winds speed reaching (40-50 kmph) at isolated places over Nagaland, Manipur, Mizoram & Tripura, Telangana, South Interior Karnataka and Kerala and (wind speed reaching 30-40 kmph) at isolated places very likely over Bihar.

♦ Heat Wave Conditions very likely in many parts with Severe Heat Wave Conditions in isolated pockets over Vidarbha; in some parts over Madhya Maharashtra and Marathwada and at isolated pockets over Gujarat, Telangana, Madhya Pradesh, Odisha, Jharkhand and Chhattisgarh; Warm Night Conditions very likely in some parts of North Madhya Maharashtra and Marathwada.

♦ Heavy rain very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya.

29 April (Day 2): ♦ Gale wind, speed reaching 50-60 kmph gusting to 70 kmph with gradual increase to 80-90 kmph gusting to 100 kmph by evening, likely over Southwest Bay of Bengal along & off Tamilnadu & Puducherry coasts, Gulf of Mannar and Comorin area. Fishermen are advised not to venture into these areas.♦ Strong wind speed reaching 40-50 kmph gusting to 60 kmph likely over Kerala.

♦ Thunderstorm accompanied with lightning & squall (wind speed reaching 50-60 kmph) at isolated places very likely over Assam & Meghalaya; with gusty winds speed reaching (50-60 kmph) at isolated places over Kerala; gusty winds speed reaching (40-50 kmph) at isolated places over Nagaland, Manipur, Mizoram & Tripura, Telangana, Karnataka and Lakshadweep and (wind speed reaching 30-40 kmph) at isolated places very likely over Sub-Himalayan West Bengal & Sikkim.

♦ Heat Wave Conditions very likely at many parts over Vidarbha; in some parts over Marathwada and at isolated pockets over Madhya Pradesh, Chhattisgarh, Jharkhand, Odisha, Madhya Maharashtra and Telangana.

♦ Heavy rain very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, South Interior Karnataka and Kerala.

30 April (Day 3): ♦ Gale wind, speed reaching 120-130 kmph gusting to 145 kmph and high to very high Sea likely over Southwest Bay of Bengal along & off Tamilnadu & Puducherry coasts. Fishermen are advised not to venture into these areas.♦ Thunderstorm accompanied with hail, lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Himachal Pradesh and Uttarakhnad; Duststorm/Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan.

♦ Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Jammu & Kashmir, Coastal Andhra Pradesh, Rayalaseema, South Interior Karnataka and Tamilnadu & Puducherry; with gusty winds speed reaching (30-40 kmph) at isolated places over Chhattisgarh and Sub-Himalayan West Bengal & Sikkim.

♦ Heat Wave Conditions very likely at isolated pockets over Madhya Pradesh and Vidarbha.

♦ Heavy rain very likely at isolated places over Assam & Meghalaya, South Interior Karnataka, Tamilnadu & Puducherry and Kerala.

01 May (Day 4): ♦ Gale wind, speed reaching 135-145 kmph gusting to 160 kmph and high to very high Seas likely over Southwest & adjoining westcentral Bay of Bengal along & off north Tamilnadu & Puducherry and south Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.♦ Thunderstorm accompanied with hail, lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Himachal Pradesh and Uttarakhnad; Duststorm/Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan.

♦ Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Gangetic West Bengal, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Kerala and Jammu & Kashmir; with gusty winds speed reaching (30-40 kmph) at isolated places over Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim and Odisha.

♦ Heavy rain very likely at isolated places over Assam & Meghalaya.

02 May (Day 5): ♦ Gale wind, speed reaching 135-145 kmph gusting to 160 kmph and high to very high Seas likely over Southwest & adjoining westcentral Bay of Bengal along & off north Tamilnadu & Puducherry and south Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.♦ Thunderstorm accompanied with hail, lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Himachal Pradesh and Uttarakhnad; Duststorm/Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan.

♦ Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Gangetic West Bengal, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Kerala and Jammu & Kashmir; with gusty winds speed reaching (30-40 kmph) at isolated places over Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim and Odisha.

♦ Heavy rain very likely at isolated places over Assam & Meghalaya.

Kindly visit State level Meteorological Centre / Regional Meteorological Centre website for district wise forecast & color coded warning.

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Table-1

5 Day Rainfall Forecast (MORNING)

28-April-2019

<table>
<thead>
<tr>
<th>Met-Sub-Division</th>
<th>28-Apr Today</th>
<th>29 Apr Mon</th>
<th>30 Apr Tue</th>
<th>01 May Wed</th>
<th>02 May Thu</th>
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<tbody>
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<td>WS</td>
<td>WS</td>
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<td>4. N. M. M. &amp; T.</td>
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<td>FWS</td>
<td>FWS</td>
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<tr>
<td>5. S.H. West Bengal &amp; Sikkim</td>
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<td>FWS</td>
<td>SCT</td>
<td>FWS</td>
<td>FWS</td>
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<td>6. Gangetic West Bengal</td>
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<td>7. Odisha</td>
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<td>DRY</td>
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<td>FWS</td>
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<td>14. Punjab</td>
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<td>22. Saurashtra &amp; Kutch</td>
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<td>DRY</td>
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<tr>
<td>23. Konkan &amp; Goa</td>
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<td>25. Marathwada</td>
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<td>26. Vidharbha</td>
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<td>27. Chhattisgarh</td>
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<td>36. Lakshadweep</td>
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<table>
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<tr>
<th>% Station Reporting Rainfall</th>
<th>% Stations</th>
<th>Category</th>
<th>% Stations</th>
<th>Category</th>
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<tr>
<td>75-100</td>
<td>26-50</td>
<td>Widespread (Wettest Places)</td>
<td>26-50</td>
<td>Scattered (Scattered A Few Places)</td>
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<tr>
<td>51-75</td>
<td>1-25</td>
<td>Fairly Widespread (FWS/ Many Places)</td>
<td>1-25</td>
<td>Isolated (ISOL)</td>
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<tr>
<td>No Rain</td>
<td>Dry</td>
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Fig. 2: Minimum Temperature during past 24 hours

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Fig. 3 : Departure from Normal of Maximum Temperatures

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(Service to the Nation since 1875)
Sunday 28 April 2019

**FORECAST**

**28 April (Day 1):**

✧ **Gale wind**, speed reaching 80-90 kmph gusting to 100 kmph and very rough to high sea conditions very likely over Southwest Bay of Bengal & adjoining east Equatorial Indian Ocean along & off Sri Lanka coast. Strong wind speed reaching 30-40 kmph gusting to 50 kmph very likely along & odd Puducherry coast, Comorin area, Gulf of Mannar and over Kerala. Fishermen are advised not to venture into these areas.

✧ **Thunderstorm accompanied with lightning & squall (wind speed reaching 50-60 kmph)** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya; with gusty winds speed reaching (40-50 kmph) at isolated places over Nagaland, Manipur, Mizoram & Tripura, Telangana, South Interior Karnataka and Kerala and (wind speed reaching 30-40 kmph) at isolated places very likely over Bihar.

✧ **Heat Wave Conditions** very likely in many parts with **Severe Heat Wave Conditions** in isolated pockets over Vidarbha; in some parts over Madhya Maharashtra and Marathwada and at isolated pockets over Gujarat, Telangana, Madhya Pradesh, Odisha, Jharkhand and Chhattisgarh; **Warm Night Conditions** very likely in some parts of North Madhya Maharashtra and Marathwada.

✧ **Heavy rain** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya.

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Monday 29 April 2019

**FORECAST**

- **Gale wind**, speed reaching 50-60 kmph gusting to 70 kmph with gradual increase to 80-90 kmph gusting to 100 kmph by evening, likely over Southwest Bay of Bengal along & off Tamilnadu & Puducherry coasts, Gulf of Mannar and Comorin area. Fishermen are advised not to venture into these areas.
- **Strong wind** speed reaching 40-50 kmph gusting to 60 kmph likely over Kerala.
- **Thunderstorm accompanied with lightning & squall** (wind speed reaching 50-60 kmph) at isolated places very likely over Assam & Meghalaya; with **gusty winds speed reaching (50-60 kmph)** at isolated places over Kerala; **gusty winds speed reaching (40-50 kmph)** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Telangana, Karnataka and Lakshadweep and **wind speed reaching (30-40 kmph)** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim.
- **Heat Wave Conditions** very likely at many parts over Vidharbha; in some parts over Marathwada and at isolated pockets over Madhya Pradesh, Chhattisgarh, Jharkhand, Odisha, Madhya Pradesh and Telangana.
- **Heavy rain** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, South Interior Karnataka and Kerala.

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30 April (Day 3):  
♦ Gale wind, speed reaching 120-130 kmph gusting to 145 kmph and high to very high Seas likely over Southwest Bay of Bengal along & off north Tamilnadu & Puducherry and south Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.

♦ Thunderstorm accompanied with hail, lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Himachal Pradesh and Uttarakhand; Duststorm/Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan.

♦ Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Jammu & Kashmir, Coastal Andhra Pradesh, Rayalaseema, South Interior Karnataka and Tamilnadu & Puducherry; with gusty winds speed reaching (30-40 kmph) at isolated places over Chhattisgarh and Sub-Himalayan West Bengal & Sikkim.

♦ Heat Wave Conditions very likely at isolated pockets over Madhya Pradesh and Vidarba.

♦ Heavy rain very likely at isolated places over Assam & Meghalaya, South Interior Karnataka, Tamilnadu & Puducherry and Kerala.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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(Written in the Indian style: 1972)
Wednesday 01 May 2019

♦ Gale wind, speed reaching 135-145 kmph gusting to 160 kmph and high to very high Seas likely over Southwest & adjoining westcentral Bay of Bengal along & off north Tamilnadu & Puducherry and south Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.

♦ Thunderstorm accompanied with hail, lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Himachal Pradesh and Uttarakhand; Duststorm/Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan.

♦ Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Gangetic West Bengal, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Kerala and Jammu & Kashmir; with gusty winds speed reaching (30-40 kmph) at isolated places over Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim and Odisha.

♦ Heavy rain very likely at isolated places over Assam & Meghalaya.

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02 May (Day 5): ♦ Gale wind, speed reaching 135-145 kmph gusting to 160 kmph and high to very high Seas likely over Southwest & adjoining westcentral Bay of Bengal along & off north Tamilnadu & Puducherry and south Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.

♦ Thunderstorm accompanied with hail, lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Himachal Pradesh and Uttarakhand; Duststorm/Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan.

♦ Thunderstorm accompanied with lightning & gusty wind (wind speed reaching 40-50 kmph) at isolated places very likely over Gangetic West Bengal, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Kerala and Jammu & Kashmir; with gusty winds speed reaching (30-40 kmph) at isolated places over Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim and Odisha.

♦ Heavy rain very likely at isolated places over Assam & Meghalaya.

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(Since its inception since 1875)
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(Similar to the Nation since 1875)
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(Service to the Nation since 1875)