



Government of India
Ministry of Earth Sciences



India Meteorological Department

PRESS RELEASE-2

Time of issue: 1300 hours IST

Dated: 20th July, 2024

Sub: Depression over Odisha coast

Yesterday's depression over northwest and adjoining westcentral Bay of Bengal off Odisha and adjoining north Andhra Pradesh moved west-northwestwards and lay over Odisha coast near Chilika Lake in the early morning (0530 hours IST) of today, the 20th July, 2024. It remained practically stationary during past 3 hours and lay centered at 0830 hours IST of today, the 20th July, 2024 over the same region at latitude 19.6° N and longitude 85.4° E, about 40 km south-southwest of Puri (Odisha) and 70 km East-Northeast of Gopalpur (Odisha).

It is likely to move further northwestwards across Odisha & Chhattisgarh and weaken gradually into a well marked low pressure area during next 12 hours.

Warnings:

(i) Rainfall warning

Gangetic West Bengal: Light to moderate rainfall is very likely at most places on 20th July.

Odisha:

- ❖ **South Odisha:** Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places is very likely over South Odisha on 20th July
- ❖ **North Odisha:** Light to moderate rainfall is very likely at most places with heavy rainfall at isolated places on 20th July.

Chhattisgarh:

- ❖ **South Chhattisgarh:** Light to moderate rainfall at most places with heavy to extremely heavy rainfall at isolated places is very likely on 20th and isolated heavy to very heavy rainfall on 21st July.
- ❖ **North Chhattisgarh:** Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely on 20th and isolated heavy rainfall on 21st July.

Andhra Pradesh:

- ❖ **North Coastal Andhra Pradesh:** Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely on 20th July and heavy rainfall at isolated places is likely on 21st July.
- ❖ **South Coastal Andhra Pradesh:** Light to moderate rainfall at most places with heavy rainfall at isolated places is likely over South Coastal Andhra Pradesh on 20th July.

Vidarbha: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places on 20th & 21st July and extremely heavy rainfall at isolated places on 20th July.

Contact: Cyclone Warning Division, Office of the Director General of Meteorology, India Meteorological Department, Ministry of Earth Sciences.

E-mail: cyclonewarningdivision@gmail.com, Website: rsmcnewdelhi.imd.gov.in

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

Telangana: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely on 20th July and heavy rainfall at isolated places is likely on 21st July.

(ii) Wind warning

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail over northwest and adjoining westcentral Bay of Bengal and along and off North Andhra Pradesh, Odisha, West Bengal & adjoining Bangladesh coasts on 20th July and would decrease gradually thereafter.

(iv) Sea Condition: Rough to very rough sea condition is very likely to prevail over northwest and adjoining westcentral Bay of Bengal and along and off North Andhra Pradesh, Odisha, West Bengal & adjoining Bangladesh coasts on 20th July and would improve gradually thereafter.

(v) Fishermen Warning

Fishermen are advised not to venture into northwest and adjoining westcentral Bay of Bengal and along & off North Andhra Pradesh, Odisha, West Bengal & adjoining Bangladesh coasts on 20th July.

Graphics are presented in Annexure – I. The 24 hours accumulated realized rainfall (≥ 7 cm) at 0300 UTC of 20th July is presented in Annexure – II.

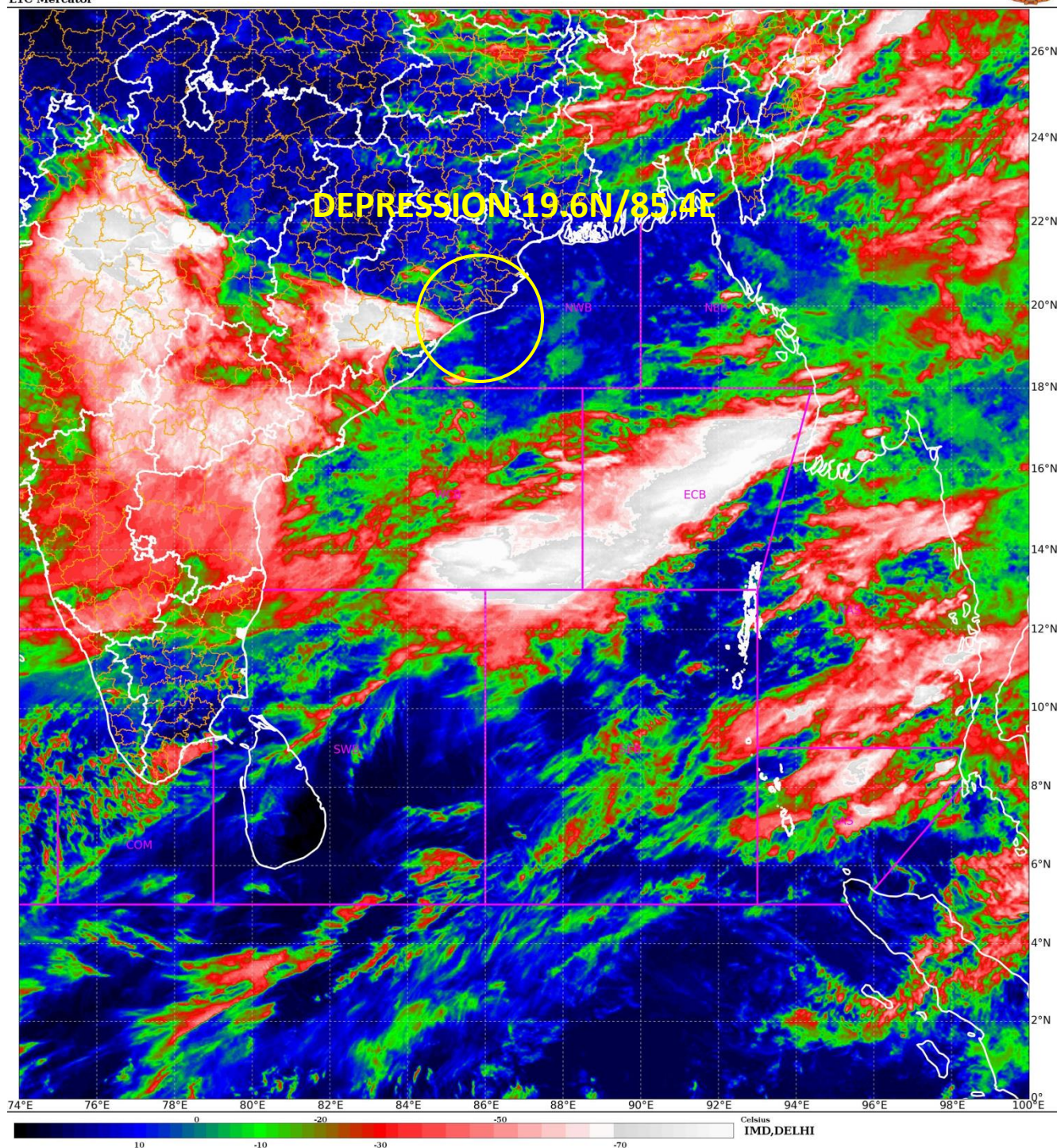
The next press release will be issued at 1430 hrs IST of tomorrow 21st July, 2024.

For regular updates kindly visit www.rsmcnewdelhi.imd.gov.in and www.mausam.imd.gov.in

Annexure - I

SAT : INSAT-3DR IMG
IMG_TIR1_TEMP 10.8 um
L1C Mercator

20-07-2024/(0445 to 0512) GMT
20-07-2024/(1015 to 1042) IST



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OBSERVED AND FORECAST TRACK OF DEPRESSION OVER ODISHA COAST BASED ON 0300 UTC OF 20TH JULY, 2024.



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (≥ 120 KT)



LESS THAN 34 KT



34-47 KT



≥ 48 KT



OBSERVED TRACK



FORECAST TRACK



CONE OF UNCERTAINTY

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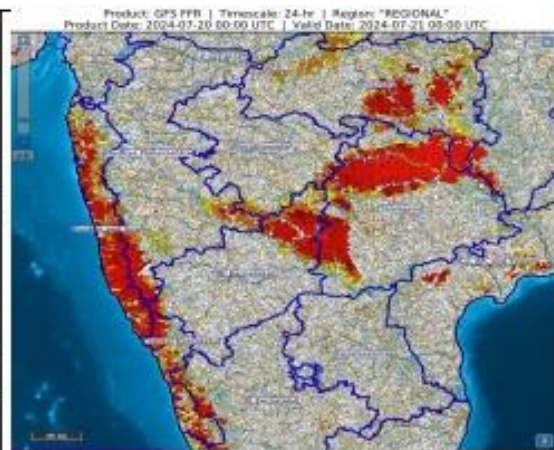
Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 21-07-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of **Vidarbha, Telangana & adjoining Eastern parts of NI Karnataka** and **Coastal AP & Yanam Met** Sub-divisions during next 24 hours.

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **Konkan & Goa, Coastal Karnataka & adjoining SI Karnataka** Met Sub-divisions during next 24 hours.

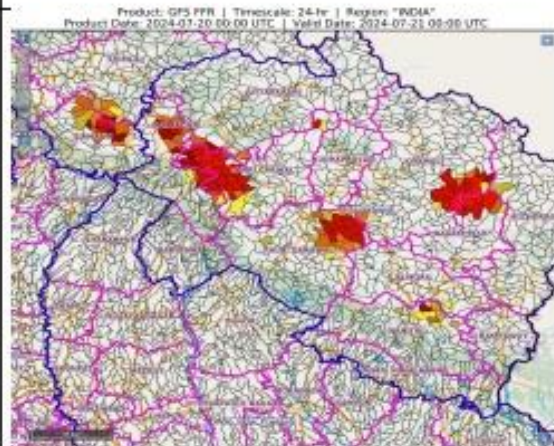
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.

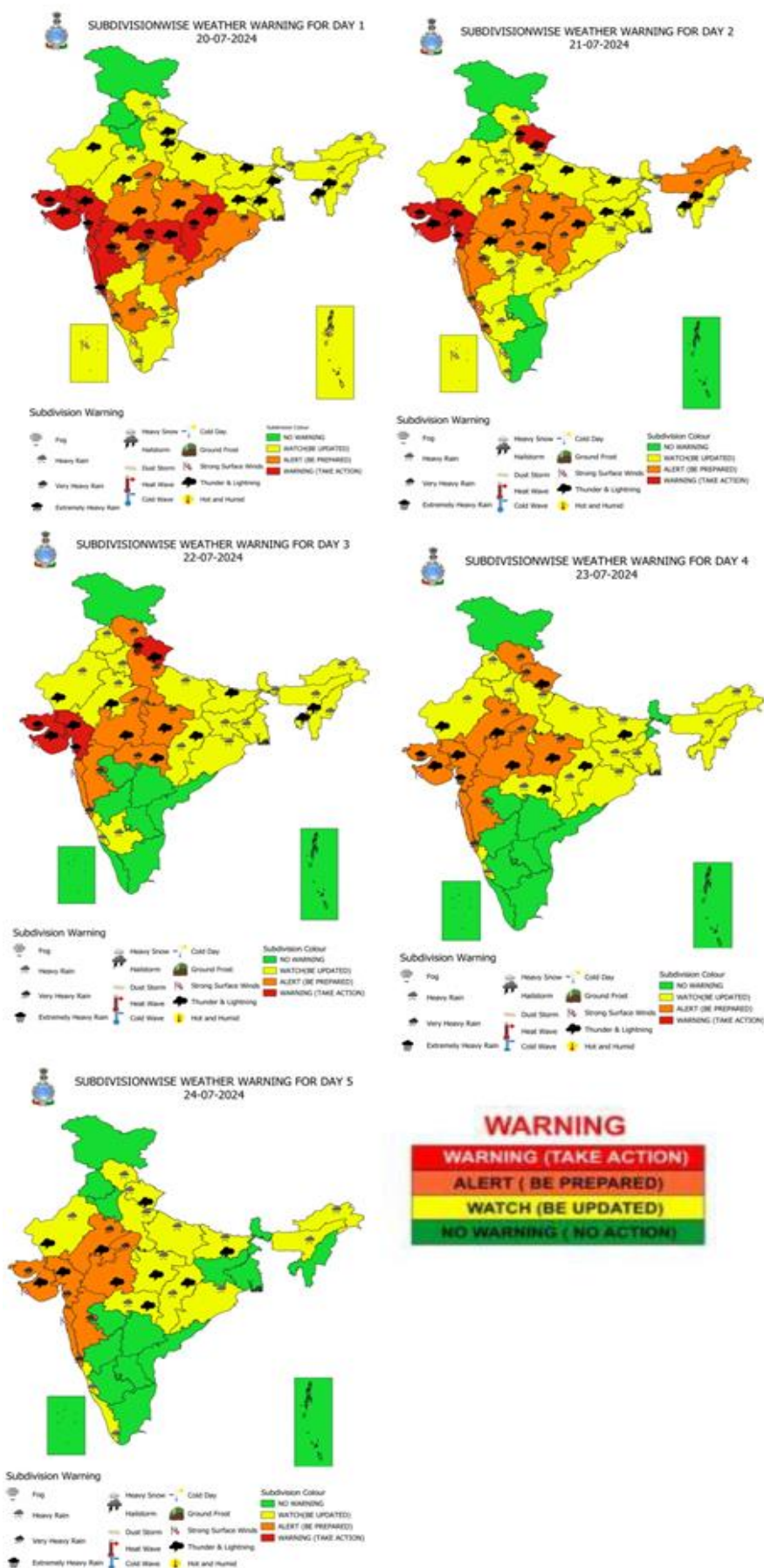


24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 21-07-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **Uttarakhand & adjoining parts of Himachal Pradesh** Met Sub-divisions during next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.





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Fishermen Warning Graphics

Day 1: 20.07.2024/11:30AM to 21.07.2024/05:30AM



Day 2: 21.07.2024/05:30AM to 22.07.2024/05:30AM



Day 3: 22.07.2024/05:30AM to 23.07.2024/05:30AM



Day 4: 23.07.2024/05:30AM to 24.07.2024/05:30AM



Day 5: 24.07.2024/05:30AM to 25.07.2024/05:30AM



Squally WX with wind speed 35-45 kmph gusting to 55 kmph

Squally WX with wind speed 45-55 kmph gusting to 65 kmph

Squally wind with speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.

Realized Rainfall at 0300 UTC of 20.07.2024**Odisha**

Chitrakunda K Guma (Malkangiri) & Korukunda (Malkangiri) – 22 each, Malkangiri (Malkangiri) - 18, Mathili (Malkangiri) & Kotpad (Koraput) - 16 each, Padia (Malkangiri) - 13, Nandahandi (Nawarangpur), Tentulikhunti (Nawarangpur) & Papadahandi (Nawarangpur) - 11 each, Aska (Ganjam) & Kosagumda (Nawarangpur) - 10 each, Nawarangpur (Nawarangpur), Nawarangpur Pto (Nawarangpur), Jeypore (Koraput), Nandapur (Koraput) & Th Rampur (Kalahandi) - 9 each, Purushottampur (Ganjam) & Lamataput (Koraput) - 8 each, Berhampur (Ganjam), Similiguda (Koraput), Rangeilunda (Ganjam), Ganjam (Ganjam), Pottangi (Koraput) & Dharakote (Ganjam) - 7 each.

Coastal A.P. & Yanam

Chintur (Alluri Sitharamaraju) - 21, Anakapalle (Anakapalli) - 13, Nuzvid (Eluru) - 10, Paderu (Alluri Sitharamaraju), Vararamachandrapur (Alluri Sitharamaraju) & Narsipatnam (Anakapalli) - 9 each, Araku Valley (Alluri Sitharamaraju) & Kukunoor (Eluru) – 8 each, Visakhapatnam Ap (Vishakhapatnam), Therlam (Vizianagaram), Bondapalle (Vizianagaram), Kurupam (Parvathipuram Manyam), Tekkali (Srikakulam), Kunavaram (Alluri Sitharamaraju) & Chodavaram (Anakapalli) – 7 each

Rayalaseema

Rudravaram (Nandyal) & Dornipadu (Nandyal) – 7 each,

Telangana

Venkatapuram (Mulugu) – 8, Bayyaram (Mahabubabad), Julurpad (Kothagudem) & Manuguru (B. Kothagudem) – 7 each

Chhattisgarh

Bhairamgarh (Bijapur) - 25, Aundhi (Mohala Manpur Chowki), Durgkondal (Kanker) & Bhanupratappur (Kanker) - 17 each, Konta (Sukma), Sukma (Sukma) & Dornapal (Sukma) – 15 each, Gadiras (Sukma) - 14, Doundi (Balod), Tongpaal (Sukma), Kutaru (Bijapur), Chhindgarh (Sukma), Jagargunda (Sukma) & Nangur (Bastar) - 13 each, Antagarh (Kanker), Narayanpur (Narayanpur), Bijapur (Bijapur) & Lal Bahadur Nagar (Rajnandgaon) - 12 each, Kohkameta (Narayanpur), Gangalur (Bijapur), Bastanar (Bastar), Chhuria (Rajnandgaon) & Katekalyan (Dantewada) - 11 each, Kuakonda (Dantewada), Gidam (Dantewada), Manpur (Mohala Manpur Chowki), Gurur (Balod), Bhanpuri (Bastar) & Pakhanjur (Kanker) - 10 each, Kondagaon (Kondagaon), Darbha (Bastar), Chhotedongar (Narayanpur), Lohandiguda (Bastar), Dantewara (Dantewada), Orcha (Narayanpur), Balod (Balod), Khadgaon (Mohala Manpur Chowki), Bade Bacheli (Dantewada), Jagdalpur (Bastar), Dongargarh (Rajnandgaon) & Ambagarh Chowki (Mohala Manpur Chowki) - 9 each, Charama (Kanker), Usoor (Bijapur), Kukrel (Dhamtari), Baderajpur (Kondagaon), Mohla (Mohala Manpur Chowki), Dhanora (Kondagaon), Pharasgaon (Kondagaon) & Bastar (Bastar) - 8 each,

Dongargaon (Rajnandgaon), Makadi (Kondagaon), Kanker (Kanker), Barsur (Dantewada), Dondilohara (Balod) & Gundardehi (Balod) - 7 each

Vidharbha

Lakhandur (Bhandara) - 24, Pauni (Bhandara) - 20, Bramhapuri (Chandrapur) - 19, Arjuni Morgaon (Gondia) - 15, Desaiganj (Gadchiroli), Bhiwapur (Nagpur) - 14 each, Deori (Gondia), Armori (Gadchiroli), Nagbhir (Chandrapur) & Umrer (Nagpur) - 12 each, Kurkheda (Gadchiroli), Korchi (Gadchiroli), Chimur (Chandrapur) & Bhandara (Bhandara) - 11 each, Kuhi (Nagpur), Sakoli (Bhandara), Sindewahi (Chandrapur), Kamptee (Nagpur), Dhanora (Gadchiroli) & Lakhani (Bhandara) - 10 each, Bhamragad (Gadchiroli), Selu (Wardha), Nagpur Aerodrome (Nagpur), Agriculture College (Nagpur) & Nagpur (Nagpur) - 9 each, Gadchiroli (Gadchiroli), Sadakarjuni (Gondia) & Salekasa (Gondia) - 8 each, Mauda (Nagpur), Wardha (Wardha), Tirora (Gondia), Sakoli (Bhandara), Tiroda (Gondia), Saoli (Chandrapur), Samudrapur (Wardha), Hinganghat (Wardha), Etapalli (Gadchiroli) & Mul (Chandrapur) - 7 each,