

कृषि निदेशालय, झारखण्ड, रांची

रांची/ दिनांक : 19/6/10

पत्रांक :

259

प्रेषक,

उप कृषि निदेशक (यो०)  
कृषि निदेशालय  
झारखण्ड, रांची।

सेवा में,

निदेशक, समेति  
झारखण्ड, रांची।

विषय :

झारखण्ड राज्य के लिए एग्रोमेट एडवाइजरी सर्विस बुलेटिन को वेबसाइट (Website) पर देने के संबंध में।

संलग्न :

मौसम विज्ञान केन्द्र, रांची के पत्रांक 609 दिनांक 18.06.2010

महाशय,

निदेशानुसार उपर्युक्त विषयक झारखण्ड राज्य के लिए एग्रोमेट एडवाइजरी सर्विस बुलेटिन को जिलावार आकड़ों एवं फसल संबंधी अनुशंसा की एक प्रति इस पत्र के साथ संलग्न करते हुए अनुरोध करना है कि इसे समेति के वेबसाइट (Website) पर देते हुए सभी जिलों को इस आशय की सूचना देने की कृपा की जाय।

अनु० यथोक्त।

विश्वासभाजन

19.6.10  
उप कृषि निदेशक (यो०)

कृषि निदेशालय  
झारखण्ड, रांची।

मौसम विज्ञान केन्द्र

Website पर

दिनांक 19/6/10

290  
19/6/10  
E.H.R.P.

DDP को  
युनिवर्सिटी  
के वेबसाइट  
पर डालना  
है  
Report  
email  
पर डालना  
है  
3/6/10  
दिनांक 19/6/10



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM : METEOROLOGICAL CENTRE , RANCHI

TO: THE CHIEF SECRETARY, GOVT OF JHARKHAND, RANCHI  
(FAX NO. 24002550)/ CONTROL ROOM (FAX NO. 2403923)

THE SECRETARY DISASTER MANAGEMENT, GOVT OF JHARKHAND, RANCHI  
(FAX NO. 2400231)/ CONTROL ROOM (FAX NO. 2403923)

THE SECRETARY, INFORMATION & PUBLIC RELATION , GOVT OF JHARKHAND, RANCHI  
(FAX NO. 2283675)

THE DIRECTOR , DEPT. OF AGRICULTURE , GOVT OF JHARKHAND, RANCHI  
(FAX NO. 2233549)

THE CHIEF ENGINEER , WRD (MONITORING) , RANCHI (FAX NO. 2491158)

THE DIRECTOR OF DOORDARSHAN , RANCHI (FAX NO. 2283139)

THE DIRECTOR OF ALL INDIA RADIO , RANCHI (FAX NO. 2283311)

Dated: 18.6. 2010

Time of issue : 1530 hours IST

Special Bulletin on Advance of Southwest monsoon into Jharkhand state :

Southwest monsoon has further advanced to day , the 18<sup>th</sup> June ,2010 into most parts of Jharkhand . The Northern limit (NLM) passes through Ambikapur , Daltonganj , Gaya, Muzaffarpur, Raxaul.

Main weather observation (Recorded during last 24 hours): Light to Moderate Rain occurred at many places over Jharkhand

WEATHER FORECAST FOR JHARKHAND STATE VALID FOR NEXT 24 HRS.

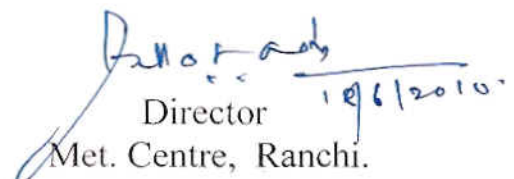
FORECAST : Rain or Thundershowers likely to occur at many places over Jharkhand.

LOCAL FORECAST FOR RANCHI & NEIGHBORHOOD:

Generally cloudy sky with Rain or Thundershower . Maximum and Minimum temperatures will be around 34<sup>0</sup> C and 24<sup>0</sup> C respectively.

OBSERVATIONS RECORDED AT 08:30 HRS IST ON 18.6.2010

| <u>STATION</u> | <u>MAX.TEMP (° C)</u> | <u>MIN TEMP (° C)</u> | <u>RAINFALL (mm)</u> |
|----------------|-----------------------|-----------------------|----------------------|
| RANCHI         | 33.4                  | 24.7                  | 01.9                 |
| JAMSHEDPUR     | 37.2                  | 26.4                  | 01.8                 |
| DALTONGANJ     | 31.2                  | 26.7                  | 02.0                 |

  
Director 18/6/2010  
Met. Centre, Ranchi.



**Composite Agromet Advisory Service Bulletin  
for the State of Jharkhand**

**BULLETIN NO. 49**

**Friday, 18<sup>th</sup> June, 2010**

For the period 19<sup>th</sup> June to 23<sup>rd</sup> June, 2010

issued by  
Meteorological Centre, Ranchi  
INDIA METEOROLOGICAL DEPARTMENT

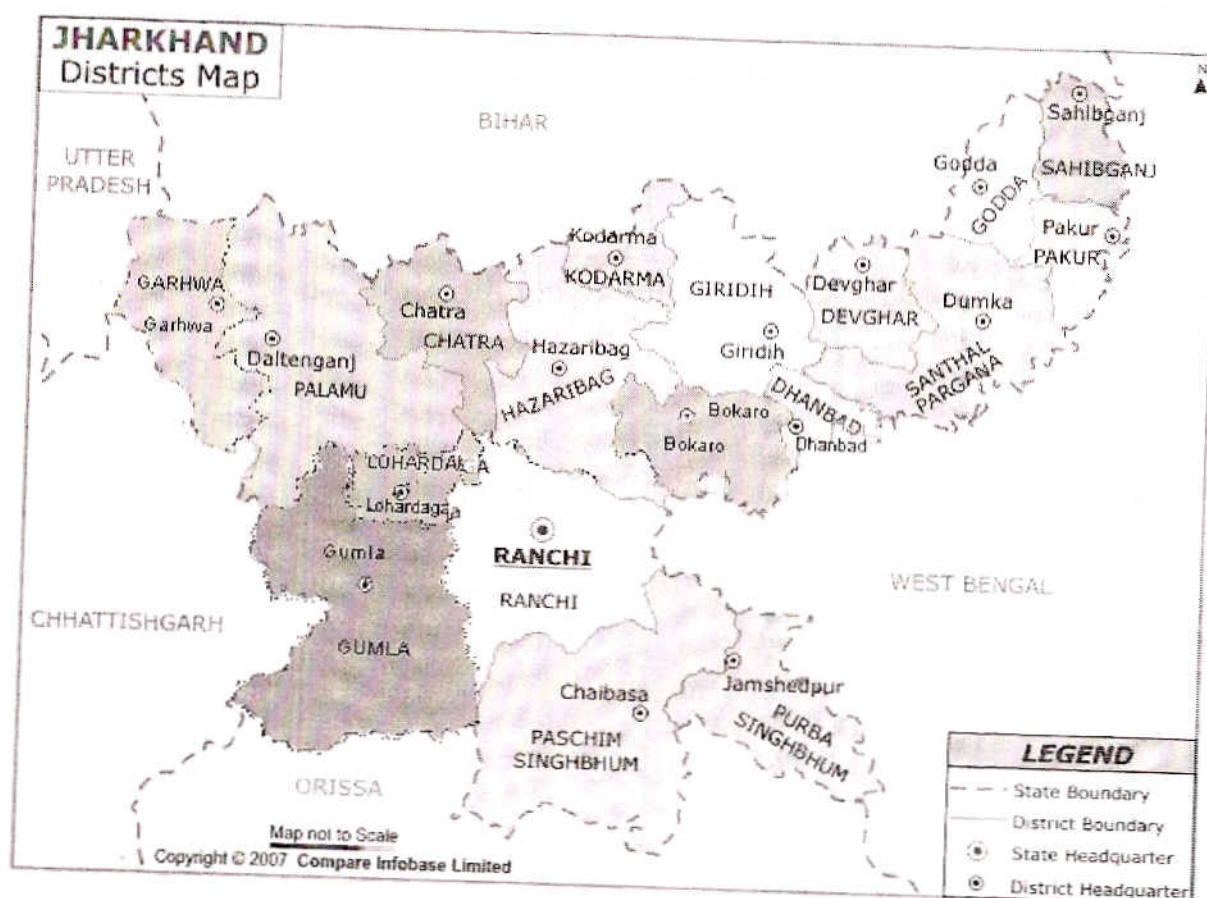
*in collaboration with*  
Birsa Agricultural University, Kanke, Ranchi  
&  
Department of Agriculture, Govt. of Jharkhand

## Meteorological sub-division of the state

As per IMD classification Jharkhand State consisting of twenty districts is considered as one meteorological subdivision.

### Agro Climatic Zones for the State of Jharkhand

| S.No. | Agro climatic Zone                            | Districts   | Agromet Field Unit(AMFU) |
|-------|---|---|--------------------------|
| 1     | <b>Central &amp; Western Plateau Zone</b>     | Ranchi, Khunti, Bokaro, Hazaribag, Ramgarh, Chatara, Garhwa, Palamu, Latehar, Lohardaga, Gumla, Simdega | Ranchi                   |
| 2     | <b>Central and North Eastern Plateau Zone</b> | Dumka, Sahebganj, Godda, Pakur, Deoghar, Giridih, Dhanbad, Jamtara, Koderma                             | Dumka                    |
| 3     | <b>South Eastern Plateau Zone</b>             | West Singhbhum, East singhbhum, Saraikela   | Darisai                  |



**DISTRICT LEVEL WEATHER FORECAST**  
**ISSUED ON: 18.06.2010**  
**VALID FOR THE NEXT 5 DAYS**

**Weather Summary for the period since 0830 hours IST of 15<sup>th</sup> June, 2010:-**

Light to moderate rainfall occurred at many places on 17<sup>th</sup> & 18<sup>th</sup> and isolated places on 16<sup>th</sup> June, 2010 over Jharkhand.

**Monsoon Watch**

South west Monsoon has advanced in most parts of Jharkhand. Northern Limit of Monsoon passes through Ambikapur, Daltonganj, Gaya, Muzzafarpur & Raxaul.

**Summary of observations recorded at Ranchi, Jamshedpur and Daltonganj during 15<sup>th</sup>, June to 18<sup>th</sup>, June 2010:**

| Stations ---                    |         | Ranchi   | Jamshedpur | Daltonganj |
|---------------------------------|---------|----------|------------|------------|
| Parameters                      |         |          |            |            |
| Total rainfall (mm)             |         | 5.5      | 1.8        | 3.4        |
| Max Temp range (° c)            |         | 33-38    | 37-41      | 31-42      |
| Min Temp range (° c)            |         | 23-27    | 26-29      | 27-33      |
| Cloud Coverage ( octa )         |         | 6        | 6          | 6          |
| Relative Humidity (%)           |         | 34-95    | 33-93      | 27-87      |
| Wind Direction/<br>Speed (kmph) | Morning | Westerly | Westerly   | Westerly   |
|                                 |         | 10       | 10         | 04         |
|                                 | Evening | Variable | Variable   | Variable   |
|                                 |         | 12       | 07         | 04         |

**Current synoptic condition:**

A trough of low pressure area from Rajsthan to North West Bay across Bihar, Jharkhand & Gangetic West Bengal persists. A cyclonic circulation lies over East UP & neighbourhood extending up to 5.8 km above sea level tilting south ward with height.

**Forecast valid up to 0830 hours IST of 21<sup>st</sup> June, 2010:-**

Rain or Thundershowers may occur at many places over Jharkhand.

**Outlook for subsequent two days w.e.f. 08.30 hrs IST of 21<sup>st</sup> June, 2010:-**

Little change

## A .WEATHER FORECAST

**AMFU :RANCHI** (Districts: Ranchi, Khunti, Bokaro, Hazaribag, Ramgarh, Chatara, Garhwa, Palamu, Latchar, Lohardaga, Gumla, Simdega)

| DISTRICTS  |                           | FORECAST          |                   |                   |                   |                   |
|------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|            |                           | DAY-1<br>19-06-10 | DAY-2<br>20-06-10 | DAY-3<br>21-06-10 | DAY-4<br>22-06-10 | DAY-5<br>23-06-10 |
| BOKARO     | Rainfall (mm)             | 10                | 10                | 3                 | 5                 | 4                 |
|            | Max Temperature (deg C)   | 31                | 31                | 31                | 32                | 32                |
|            | Min Temperature (deg C)   | 25                | 25                | 25                | 26                | 28                |
|            | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 6                 |
|            | Max Relative Humidity (%) | 98                | 92                | 87                | 77                | 79                |
|            | Min Relative Humidity (%) | 76                | 71                | 71                | 50                | 38                |
|            | Wind speed (kmph)         | 4                 | 9                 | 11                | 7                 | 15                |
|            | Wind direction (deg)      | 130               | 220               | 230               | 230               | 220               |
| HAZARIBAGH | Rainfall (mm)             | 12                | 15                | 3                 | 3                 | 3                 |
|            | Max Temperature (deg C)   | 30                | 29                | 30                | 32                | 32                |
|            | Min Temperature (deg C)   | 25                | 25                | 25                | 25                | 27                |
|            | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 6                 |
|            | Max Relative Humidity (%) | 97                | 96                | 90                | 78                | 81                |
|            | Min Relative Humidity (%) | 80                | 75                | 70                | 53                | 51                |
|            | Wind speed (kmph)         | 4                 | 7                 | 7                 | 7                 | 11                |
|            | Wind direction (deg)      | 140               | 210               | 230               | 220               | 220               |
| RAMGARH    | Rainfall (mm)             | 12                | 15                | 3                 | 3                 | 3                 |
|            | Max Temperature (deg C)   | 30                | 29                | 30                | 32                | 32                |
|            | Min Temperature (deg C)   | 25                | 25                | 25                | 25                | 27                |
|            | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 6                 |
|            | Max Relative Humidity (%) | 97                | 96                | 90                | 78                | 81                |
|            | Min Relative Humidity (%) | 80                | 75                | 70                | 53                | 51                |
|            | Wind speed (kmph)         | 4                 | 7                 | 7                 | 7                 | 11                |
|            | Wind direction (deg)      | 140               | 210               | 230               | 220               | 220               |
| CHATRA     | Rainfall (mm)             | 10                | 12                | 4                 | 2                 | 2                 |
|            | Max Temperature (deg C)   | 33                | 29                | 29                | 32                | 32                |
|            | Min Temperature (deg C)   | 26                | 25                | 25                | 26                | 28                |
|            | Total cloud cover (octa)  | 5                 | 6                 | 6                 | 6                 | 5                 |
|            | Max Relative Humidity (%) | 95                | 97                | 91                | 73                | 75                |
|            | Min Relative Humidity (%) | 78                | 84                | 65                | 52                | 45                |
|            | Wind speed (kmph)         | 4                 | 7                 | 6                 | 7                 | 9                 |
|            | Wind direction (deg)      | 110               | 210               | 230               | 200               | 200               |
| RANCHI     | Rainfall (mm)             | 10                | 15                | 5                 | 4                 | 3                 |
|            | Max Temperature (deg C)   | 32                | 31                | 32                | 33                | 33                |
|            | Min Temperature (deg C)   | 25                | 25                | 25                | 27                | 28                |
|            | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 6                 |
|            | Max Relative Humidity (%) | 97                | 97                | 86                | 76                | 86                |
|            | Min Relative Humidity (%) | 84                | 72                | 67                | 56                | 45                |
|            | Wind speed (kmph)         | 7                 | 11                | 15                | 15                | 19                |
|            | Wind direction (deg)      | 210               | 220               | 230               | 230               | 230               |
| KHUNTI     | Rainfall (mm)             | 10                | 15                | 5                 | 4                 | 3                 |
|            | Max Temperature (deg C)   | 32                | 31                | 32                | 33                | 33                |
|            | Min Temperature (deg C)   | 25                | 25                | 25                | 27                | 28                |
|            | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 6                 |
|            | Max Relative Humidity (%) | 97                | 97                | 86                | 76                | 86                |
|            | Min Relative Humidity (%) | 84                | 72                | 67                | 56                | 45                |
|            | Wind speed (kmph)         | 7                 | 11                | 15                | 15                | 19                |
|            | Wind direction (deg)      | 210               | 220               | 230               | 230               | 230               |

**MFU :RANCHI continued .....**

| DISTRICTS |                           | FORECAST          |                   |                   |                   |                   |
|-----------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|           |                           | DAY-1<br>19-06-10 | DAY-2<br>20-06-10 | DAY-3<br>21-06-10 | DAY-4<br>22-06-10 | DAY-5<br>23-06-10 |
| GUMLA     | Rainfall (mm)             | 10                | 12                | 8                 | 2                 | 3                 |
|           | Max Temperature (deg C)   | 30                | 29                | 32                | 34                | 34                |
|           | Min Temperature (deg C)   | 24                | 24                | 24                | 26                | 27                |
|           | Total cloud cover (octa)  | 6                 | 7                 | 4                 | 6                 | 4                 |
|           | Max Relative Humidity (%) | 99                | 98                | 87                | 77                | 91                |
|           | Min Relative Humidity (%) | 91                | 67                | 60                | 61                | 42                |
|           | Wind speed (kmph)         | 7                 | 11                | 13                | 11                | 15                |
|           | Wind direction (deg)      | 230               | 240               | 240               | 230               | 230               |
| SIMDEGA   | Rainfall (mm)             | 10                | 12                | 8                 | 2                 | 3                 |
|           | Max Temperature (deg C)   | 30                | 29                | 32                | 34                | 34                |
|           | Min Temperature (deg C)   | 24                | 24                | 24                | 26                | 27                |
|           | Total cloud cover (octa)  | 6                 | 7                 | 4                 | 6                 | 4                 |
|           | Max Relative Humidity (%) | 99                | 98                | 87                | 77                | 91                |
|           | Min Relative Humidity (%) | 91                | 67                | 60                | 61                | 42                |
|           | Wind speed (kmph)         | 7                 | 11                | 13                | 11                | 15                |
|           | Wind direction (deg)      | 230               | 240               | 240               | 230               | 230               |
| LOHARDAGA | Rainfall (mm)             | 10                | 12                | 4                 | 3                 | 2                 |
|           | Max Temperature (deg C)   | 29                | 28                | 28                | 32                | 32                |
|           | Min Temperature (deg C)   | 24                | 23                | 23                | 24                | 25                |
|           | Total cloud cover (octa)  | 7                 | 7                 | 4                 | 5                 | 6                 |
|           | Max Relative Humidity (%) | 98                | 97                | 89                | 77                | 87                |
|           | Min Relative Humidity (%) | 87                | 74                | 58                | 51                | 40                |
|           | Wind speed (kmph)         | 6                 | 6                 | 11                | 11                | 13                |
|           | Wind direction (deg)      | 220               | 210               | 220               | 220               | 220               |
| PALAMAU   | Rainfall (mm)             | 8                 | 9                 | 7                 | 3                 | 4                 |
|           | Max Temperature (deg C)   | 34                | 30                | 30                | 34                | 35                |
|           | Min Temperature (deg C)   | 27                | 26                | 26                | 27                | 29                |
|           | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 4                 |
|           | Max Relative Humidity (%) | 93                | 97                | 88                | 68                | 71                |
|           | Min Relative Humidity (%) | 78                | 84                | 59                | 49                | 40                |
|           | Wind speed (kmph)         | 6                 | 4                 | 6                 | 7                 | 9                 |
|           | Wind direction (deg)      | 90                | 190               | 220               | 220               | 210               |
| GARHWA    | Rainfall (mm)             | 9                 | 10                | 10                | 4                 | 3                 |
|           | Max Temperature (deg C)   | 34                | 30                | 29                | 35                | 35                |
|           | Min Temperature (deg C)   | 27                | 26                | 26                | 27                | 29                |
|           | Total cloud cover (octa)  | 6                 | 7                 | 7                 | 4                 | 6                 |
|           | Max Relative Humidity (%) | 91                | 97                | 87                | 67                | 72                |
|           | Min Relative Humidity (%) | 79                | 82                | 54                | 42                | 35                |
|           | Wind speed (kmph)         | 6                 | 6                 | 7                 | 11                | 15                |
|           | Wind direction (deg)      | 120               | 150               | 220               | 230               | 230               |
| LATEHAR   | Rainfall (mm)             | 9                 | 10                | 10                | 4                 | 3                 |
|           | Max Temperature (deg C)   | 34                | 30                | 29                | 35                | 35                |
|           | Min Temperature (deg C)   | 27                | 26                | 26                | 27                | 29                |
|           | Total cloud cover (octa)  | 6                 | 7                 | 7                 | 4                 | 6                 |
|           | Max Relative Humidity (%) | 91                | 97                | 87                | 67                | 72                |
|           | Min Relative Humidity (%) | 79                | 82                | 54                | 42                | 35                |
|           | Wind speed (kmph)         | 6                 | 6                 | 7                 | 11                | 15                |
|           | Wind direction (deg)      | 120               | 150               | 220               | 230               | 230               |

**AMFU :DUMKA ( Districts: Dumka, Sahebganj, Godda, Pakur, Deoghar, Giridih, D  
Jamtara, Koderma)**

| DISTRICTS | PARAMETERS                | FORECAST          |                   |                   |                   |                   |
|-----------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|           |                           | DAY-1<br>19-06-10 | DAY-2<br>20-06-10 | DAY-3<br>21-06-10 | DAY-4<br>22-06-10 | DAY-5<br>23-06-10 |
| SAHEBGANJ | Rainfall (mm)             | 8                 | 8                 | 20                | 10                | 7                 |
|           | Max Temperature (deg C)   | 30                | 30                | 31                | 31                | 31                |
|           | Min Temperature (deg C)   | 26                | 26                | 26                | 26                | 26                |
|           | Total cloud cover (octa)  | 6                 | 6                 | 8                 | 6                 | 6                 |
|           | Max Relative Humidity (%) | 99                | 99                | 99                | 100               | 98                |
|           | Min Relative Humidity (%) | 81                | 74                | 78                | 80                | 82                |
|           | Wind speed (kmph)         | 9                 | 7                 | 7                 | 7                 | 13                |
|           | Wind direction (deg)      | 120               | 140               | 140               | 140               | 130               |
| GODDA     | Rainfall (mm)             | 10                | 15                | 20                | 9                 | 10                |
|           | Max Temperature (deg C)   | 31                | 30                | 31                | 32                | 32                |
|           | Min Temperature (deg C)   | 26                | 26                | 26                | 26                | 26                |
|           | Total cloud cover (octa)  | 8                 | 6                 | 8                 | 8                 | 8                 |
|           | Max Relative Humidity (%) | 99                | 98                | 98                | 99                | 98                |
|           | Min Relative Humidity (%) | 80                | 76                | 77                | 80                | 82                |
|           | Wind speed (kmph)         | 7                 | 9                 | 6                 | 9                 | 15                |
|           | Wind direction (deg)      | 110               | 120               | 140               | 110               | 110               |
| PAKUR     | Rainfall (mm)             | 10                | 9                 | 15                | 10                | 10                |
|           | Max Temperature (deg C)   | 29                | 30                | 31                | 32                | 32                |
|           | Min Temperature (deg C)   | 26                | 26                | 26                | 25                | 26                |
|           | Total cloud cover (octa)  | 6                 | 6                 | 8                 | 6                 | 6                 |
|           | Max Relative Humidity (%) | 99                | 99                | 98                | 99                | 98                |
|           | Min Relative Humidity (%) | 79                | 76                | 77                | 84                | 89                |
|           | Wind speed (kmph)         | 7                 | 7                 | 6                 | 7                 | 15                |
|           | Wind direction (deg)      | 140               | 150               | 130               | 130               | 130               |
| DUMKA     | Rainfall (mm)             | 12                | 10                | 15                | 9                 | 10                |
|           | Max Temperature (deg C)   | 29                | 30                | 32                | 32                | 32                |
|           | Min Temperature (deg C)   | 25                | 25                | 26                | 27                | 27                |
|           | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 7                 |
|           | Max Relative Humidity (%) | 100               | 99                | 96                | 97                | 93                |
|           | Min Relative Humidity (%) | 80                | 78                | 78                | 75                | 82                |
|           | Wind speed (kmph)         | 7                 | 7                 | 6                 | 9                 | 13                |
|           | Wind direction (deg)      | 130               | 160               | 180               | 120               | 140               |
| DEOGHAR   | Rainfall (mm)             | 16                | 10                | 11                | 5                 | 4                 |
|           | Max Temperature (deg C)   | 29                | 31                | 31                | 31                | 31                |
|           | Min Temperature (deg C)   | 25                | 25                | 25                | 26                | 27                |
|           | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 6                 |
|           | Max Relative Humidity (%) | 100               | 100               | 96                | 94                | 83                |
|           | Min Relative Humidity (%) | 78                | 79                | 75                | 66                | 67                |
|           | Wind speed (kmph)         | 6                 | 7                 | 6                 | 6                 | 9                 |
|           | Wind direction (deg)      | 120               | 160               | 220               | 160               | 180               |
| GIRIDIH   | Rainfall (mm)             | 16                | 10                | 8                 | 5                 | 4                 |
|           | Max Temperature (deg C)   | 30                | 31                | 31                | 31                | 31                |
|           | Min Temperature (deg C)   | 25                | 25                | 25                | 26                | 27                |
|           | Total cloud cover (octa)  | 6                 | 7                 | 6                 | 6                 | 6                 |
|           | Max Relative Humidity (%) | 99                | 98                | 95                | 91                | 81                |
|           | Min Relative Humidity (%) | 78                | 77                | 74                | 59                | 57                |
|           | Wind speed (kmph)         | 6                 | 7                 | 7                 | 6                 | 9                 |
|           | Wind direction (deg)      | 120               | 160               | 230               | 180               | 200               |

AMFU : DUMKA continued .....

| DISTRICTS |                           | FORECAST          |                   |                   |                   |                   |
|-----------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|           |                           | DAY-1<br>19-06-10 | DAY-2<br>20-06-10 | DAY-3<br>21-06-10 | DAY-4<br>22-06-10 | DAY-5<br>23-06-10 |
| DHANBAD   | Rainfall (mm)             | 16                | 9                 | 5                 | 6                 | 5                 |
|           | Max Temperature (deg C)   | 30                | 31                | 32                | 32                | 32                |
|           | Min Temperature (deg C)   | 25                | 25                | 26                | 27                | 28                |
|           | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 6                 |
|           | Max Relative Humidity (%) | 100               | 96                | 89                | 88                | 79                |
|           | Min Relative Humidity (%) | 82                | 77                | 76                | 57                | 53                |
|           | Wind speed (kmph)         | 7                 | 7                 | 9                 | 7                 | 13                |
|           | Wind direction (deg)      | 120               | 180               | 220               | 210               | 220               |
| JAMTARA   | Rainfall (mm)             | 16                | 9                 | 5                 | 6                 | 5                 |
|           | Max Temperature (deg C)   | 30                | 31                | 32                | 32                | 32                |
|           | Min Temperature (deg C)   | 25                | 25                | 26                | 27                | 28                |
|           | Total cloud cover (octa)  | 6                 | 6                 | 6                 | 6                 | 6                 |
|           | Max Relative Humidity (%) | 100               | 96                | 89                | 88                | 79                |
|           | Min Relative Humidity (%) | 82                | 77                | 76                | 57                | 53                |
|           | Wind speed (kmph)         | 7                 | 7                 | 9                 | 7                 | 13                |
|           | Wind direction (deg)      | 120               | 180               | 220               | 210               | 220               |
| KODERMA   | Rainfall (mm)             | 12                | 13                | 4                 | 3                 | 2                 |
|           | Max Temperature (deg C)   | 30                | 30                | 30                | 31                | 32                |
|           | Min Temperature (deg C)   | 25                | 25                | 25                | 25                | 26                |
|           | Total cloud cover (octa)  | 6                 | 4                 | 6                 | 6                 | 6                 |
|           | Max Relative Humidity (%) | 99                | 95                | 95                | 88                | 80                |
|           | Min Relative Humidity (%) | 76                | 76                | 74                | 59                | 60                |
|           | Wind speed (kmph)         | 7                 | 7                 | 7                 | 6                 | 7                 |
|           | Wind direction (deg)      | 130               | 160               | 240               | 180               | 210               |

AMFU :DARISAI (Districts: West Singhbhum, East singhbhum, Saraikela

| DISTRICTS        |                           | FORECAST          |                   |                   |                   |                   |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                  |                           | DAY-1<br>19-06-10 | DAY-2<br>20-06-10 | DAY-3<br>21-06-10 | DAY-4<br>22-06-10 | DAY-5<br>23-06-10 |
| WEST<br>SINGBHUM | Rainfall (mm)             | 10                | 10                | 5                 | 3                 | 4                 |
|                  | Max Temperature (deg C)   | 32                | 32                | 33                | 34                | 34                |
|                  | Min Temperature (deg C)   | 26                | 25                | 26                | 27                | 29                |
|                  | Total cloud cover (octa)  | 6                 | 6                 | 4                 | 5                 | 6                 |
|                  | Max Relative Humidity (%) | 90                | 93                | 83                | 74                | 79                |
|                  | Min Relative Humidity (%) | 82                | 65                | 56                | 60                | 60                |
|                  | Wind speed (kmph)         | 7                 | 11                | 11                | 11                | 13                |
|                  | Wind direction (deg)      | 220               | 230               | 230               | 220               | 230               |
| EAST<br>SINGBHUM | Rainfall (mm)             | 10                | 10                | 6                 | 3                 | 5                 |
|                  | Max Temperature (deg C)   | 33                | 32                | 34                | 35                | 35                |
|                  | Min Temperature (deg C)   | 26                | 26                | 26                | 28                | 29                |
|                  | Total cloud cover (octa)  | 6                 | 6                 | 4                 | 6                 | 4                 |
|                  | Max Relative Humidity (%) | 88                | 90                | 81                | 70                | 73                |
|                  | Min Relative Humidity (%) | 77                | 73                | 61                | 49                | 55                |
|                  | Wind speed (kmph)         | 4                 | 9                 | 11                | 11                | 13                |
|                  | Wind direction (deg)      | 220               | 240               | 240               | 230               | 240               |
| SARAIKELA        | Rainfall (mm)             | 10                | 10                | 6                 | 3                 | 5                 |
|                  | Max Temperature (deg C)   | 33                | 32                | 34                | 35                | 35                |
|                  | Min Temperature (deg C)   | 26                | 26                | 26                | 28                | 29                |
|                  | Total cloud cover (octa)  | 6                 | 6                 | 4                 | 6                 | 4                 |
|                  | Max Relative Humidity (%) | 88                | 90                | 81                | 70                | 73                |
|                  | Min Relative Humidity (%) | 77                | 73                | 61                | 49                | 55                |
|                  | Wind speed (kmph)         | 4                 | 9                 | 11                | 11                | 13                |
|                  | Wind direction (deg)      | 220               | 240               | 240               | 230               | 240               |

## B. AGRO-ADVISORIES:-

AMFU : Ranchi, Dumka & Darisai (i.e for all Districts of Jharkhand)

**Paddy:** Varieties: 1. For Upland- a. Birsa Gora b. Birsa Vikash Dhan-109/110 c. Bandana d. Anjali.

For Medium Land- a. IR-36 b. IR-64 c. Lalat d. MTU-1010 e. Abhishek f. Navin.

For Low land- a. Swarna(MTU-7029) b. MTU-1001 c. Rajendra Mansoori d. Shankar Dhan-KRH-2

Nursery: For 1000 sq.mts. fertilizer dose, Urea-2kg, SSP-6.25kg MOP-1.4kg

Seed Rate, for direct sowing 100kg/hector, for planting, 40-50kg/hec.

Seed Treatment: Treated with Carbondizeium 50% WP or Mancojeb 75% WP-2gm/kg of seed in 1 lt. of water.

### **Ginger/Turmeric/Oal:**

Farmers are suggested to seed treatment with Mancojeb 45% w.p. or Trichoderma Viridi 5 gm will pasted in 1 kg. of Ginger, Turmeric or Oal. For one acre 8 quintal seed will be required, 80 Quintal compost + 80 Kg. urea + 120 kg SSP and 40 kg murate of Potash.

### **New Orchard:**

For plantation of Mango, Guava, Lichi pit should be dug before onset of Monsoon. For Mango & Lichi distance between plant to plant should be 8 X 8 mts for Amrapali 5 X 5 mts. and that for Guava 6 X 6 mts.

### **Summer Vegetable:**

Cucurbits vegetables like Kaddoo, Karaila, Bodi etc. are affected by Red beetles. Farmers are suggested to spray Malathion 50 % EC or Endosulphun 35 % EC, 1 litre/hector.

**Maize:** Varieties are Swan composit-1, HQPN-1 (100 days), Birsa Maize -1 (80-85 days), Birsa Vikash Maize -2 (70-75 days). Fertilizer Dose: Compost – 100 to 150 quintal per hectare, Urea- 80 kg, DAP-130 kg, MOP- 68 kg per hectare. Seed should be treated with carbondazium 2 gm/kg of seed.

**Papaya:** For plantation of Papaya new nursery should be prepared for seedling. Varieties are Pusa Majestic, Pusa Dwarf, Pusa Nanha, Pusa Giant, Pusa delicious, Kurg Honeydew. Distance between plant to plant should be 1.8 mts. & RxR 1.8 mts. Pit dimension should be maintained 0.5 x 0.5 x 0.5 mts.

18/6/10  
(K. Gari)

Agriculture Officer  
State Agriculture Dept, Ranchi.

18/6/2010  
(G.K. Mhanty)  
Director

Meteorological Centre, Ranchi

Forwarded to : Director Agriculture, Ranchi, Jharkhand/Director AIR/Director D.D., Ranchi.  
M.C.RANCHI UOI No. RNC-DAAS/II/ 609 /18.06.2010

Forwarded to DDGM (Agrimet), Pune)  
M.C.RANCHI UOI No. RNC-DAAS/II/ /18.06.2010

18/6/2010  
(G.K. Mhanty)  
Director