



## Special Daily Weather Report

29 June, 2016

### Monsoon Watch

- The Northern Limit of Monsoon (NLM) continues to pass through Lat. 22.0°N/ Long. 60.0°E, Lat. 22.0°N/ Long.65.0°E, Dwarka, Vallabh Vidyanagar, Sawai Madhopur, Gwalior, Lucknow, Pantnagar, Dehradun, Una and Jammu. (Fig.1)
- Conditions are becoming favourable for further advance of southwest monsoon in some more parts of north Arabian sea, Gujarat, East Rajasthan, remaining parts of Himachal Pradesh, Uttarakhand, West Madhya Pradesh, Uttar Pradesh and most parts of Punjab & Haryana, entire Chandigarh & Delhi and some parts of West Rajasthan during next 3 days.
- Meteorological sub-division wise spatial rainfall-distribution and monsoon activity during past 24 hours ending at 08:30 IST of today is enclosed. (Table.1)
- Latest Satellite Image of INSAT 3-D is enclosed. (Fig.2)

### Seasonal Rainfall (in mm) from 1 June to 29 June, 2016

<u>Region</u>	<u>Actual</u>	<u>Normal</u>	<u>% Departure from Long Period Average</u>
All India	137.6	155.5	-12%
East & Northeast India	244.2	335.5	-27%
Northwest India	62.8	64.0	-2%
Central India	127.3	155.9	-18%
South Peninsula	185.7	151.7	22%

### Weather Forecast (valid upto 1430 hours IST of 4 July, 2016)

- Meteorological sub-divisionwise 5-day rainfall forecast is enclosed. (Table-2)
- Sub-division wise rainfall recorded upto 0830 hours IST of today is enclosed. (Annexure-1)

### Warning (Fig-3)

- 29 June (Day 1):** ♦ Heavy to very heavy rain very likely at a few places over Konkan & Goa; at isolated places over Coastal Karnataka; heavy at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, south Odisha, Madhya Maharashtra, Telangana, Coastal Andhra Pradesh, South Interior Karnataka and Kerala.
- 30 June (Day 2):** ♦ Heavy to very heavy rain very likely at isolated places over Konkan & Goa; heavy at isolated places West Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, south Odisha, South Chhattisgarh, Coastal Andhra Pradesh, Coastal Karnataka, Kerala.
- 01 July (Day 3):** ♦ Heavy to very heavy rain very likely at isolated places over East Uttar Pradesh and Konkan & Goa; heavy rain very likely at at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Coastal Karnataka and Kerala.
- 02 July (Day 4):** ♦ Heavy to very heavy rain very likely at isolated places over East Uttar Pradesh and Konkan & Goa; heavy rain very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka and Kerala.
- 03 July (Day 5):** ♦ Heavy to very heavy rain very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Konkan & Goa and Coastal Karnataka; heavy rain very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Bihar, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka and Kerala

### Weather Outlook for subsequent 2 days (from 4 July to 6 July, 2016)

- ♦ Rainfall at most places with isolated heavy falls very likely along west coast, central & east India.
- ♦ Rainfall at many places very likely over Indo-Gangetic plains and northeastern states.

#### Legend:

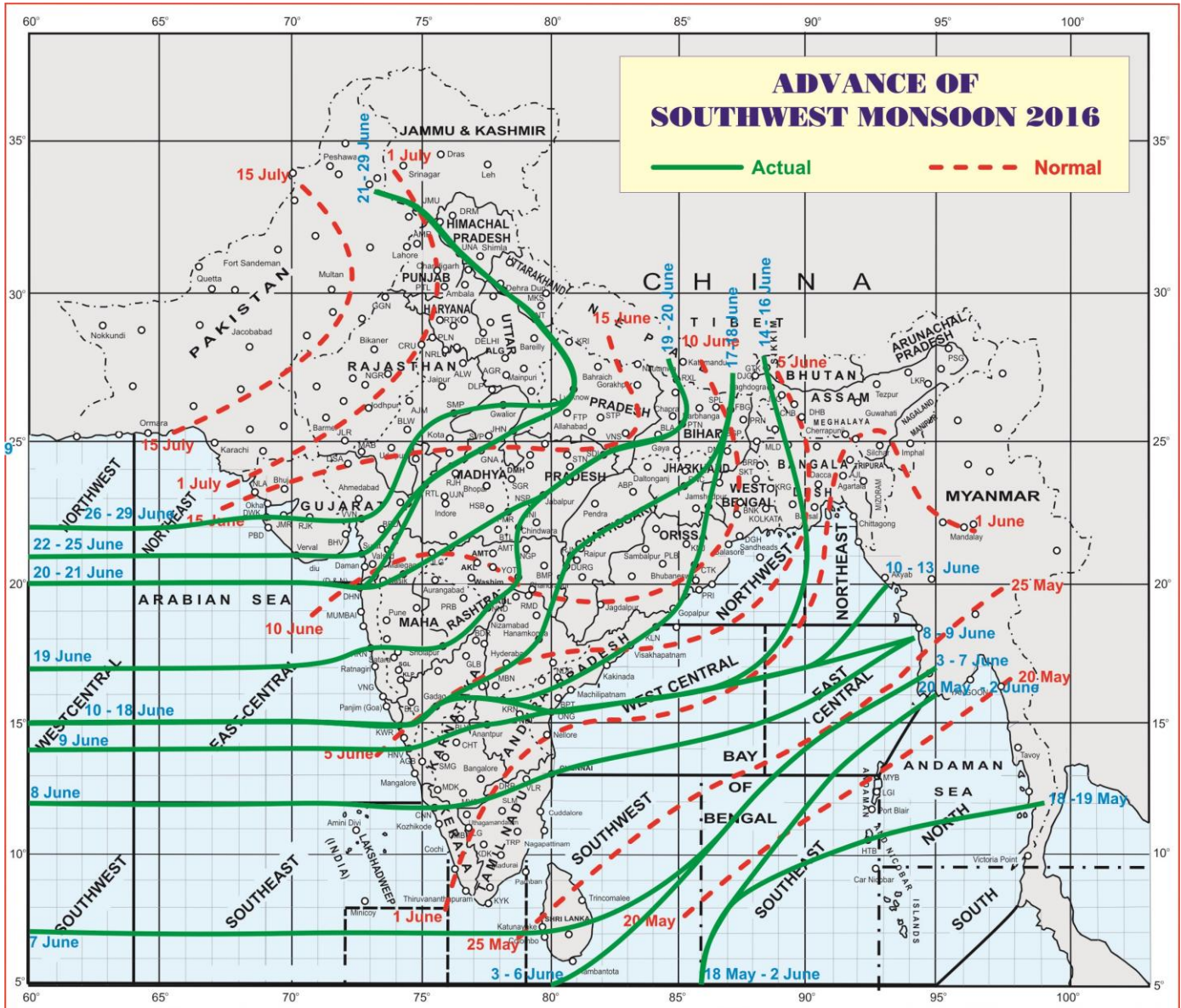
Probability of occurrence	Terminology	Probability of occurrence	Terminology
Less than 25%	unlikely	51-75%	Very likely
25-50%	likely	Above 75%	Most likely

Note: Next report will be issued at 1800 hours IST of 30 June, 2016.

Fig-1

Northern Limit of Southwest Monsoon

29 June 2016



**Table-1**

**RAINFALL DISTRIBUTION & MONSOON ACTIVITY**

**29 JUNE 2016**

S.No.	METEOROLOGICAL SUB-DIVISIONS	DISTRIBUTION	ACTIVITY
1	ANDAMAN & NICOBAR ISLANDS	WS	NORMAL
2	ARUNACHAL PRADESH	FWS	
3	ASSAM & MEGHALAYA	SCT	
4	NAGA.MANI.MIZO. & TRIPURA	WS	NORMAL
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	FWS	
6	GANGETIC WEST BENGAL	FWS	
7	ODISHA	FWS	NORMAL
8	JHARKHAND	ISOL	
9	BIHAR	DRY	
10	EAST UTTAR PRADESH	ISOL	
11	WEST UTTAR PRADESH	ISOL	
12	UTTARAKHAND	ISOL	NORMAL
13	HARYANA CHANDIGARH & DELHI	ISOL	NORMAL
14	PUNJAB	DRY	
15	HIMACHAL PRADESH	SCT	
16	JAMMU & KASHMIR	ISOL	
17	WEST RAJASTHAN	ISOL	
18	EAST RAJASTHAN	FWS	NORMAL
19	WEST MADHYA PRADESH	FWS	NORMAL
20	EAST MADHYA PRADESH	SCT	NORMAL
21	GUJARAT REG. D.D. & NAGAR HAVELI	SCT	NORMAL
22	SAURASHTRA KUTCH & DIU	SCT	NORMAL
23	KONKAN & GOA	WS	ACTIVE
24	MADHYA MAHARASHTRA	FWS	ACTIVE
25	MARATHAWADA	FWS	ACTIVE
26	VIDARBHA	WS	ACTIVE
27	CHHATTISGARH	SCT	NORMAL
28	COASTAL ANDHRA PRADESH	FWS	ACTIVE
29	TELANGANA	FWS	ACTIVE
30	RAYALASEEMA	WS	ACTIVE
31	TAMILNADU & PUDUCHERRY	SCT	NORMAL
32	COASTAL KARNATAKA	WS	ACTIVE
33	NORTH INTERIOR KARNATAKA	FWS	NORMAL
34	SOUTH INTERIOR KARNATAKA	WS	VIGOROUS
35	KERALA	FWS	NORMAL
36	LAKSHADWEEP	FWS	NORMAL
<b>LEGENDS:</b>			
<b>WS</b>	WIDE SPREAD / MOST PLACES (76-100%)	<b>ISOL</b>	ISOLATED (UP TO 25%)
<b>FWS</b>	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)	<b>DRY</b>	NO STATION REPORTED RAINFALL
<b>SCT</b>	SCATTERED / FEW PLACES (26% to 50%)		
<b>ACTIVE</b> (R/F 1 <sup>1</sup> / <sub>2</sub> - 4 TIMES THE NORMAL WITH WS/FWS, AT LEAST 2 STATIONS SHOULD BE 5 CM. ALONG WEST COAST & 3 CM. ELSEWHERE )			
<b>VIGOROUS</b> (R/F MORE THAN 4 TIMES THE NORMAL WITH WS/FWS, AT LEAST 2 STATIONS SHOULD BE 8 CM. ALONG WEST COAST & 5 CM. ELSEWHERE)			

Fig-2

Latest Satellite Image of INSAT 3-D 29 June 2016

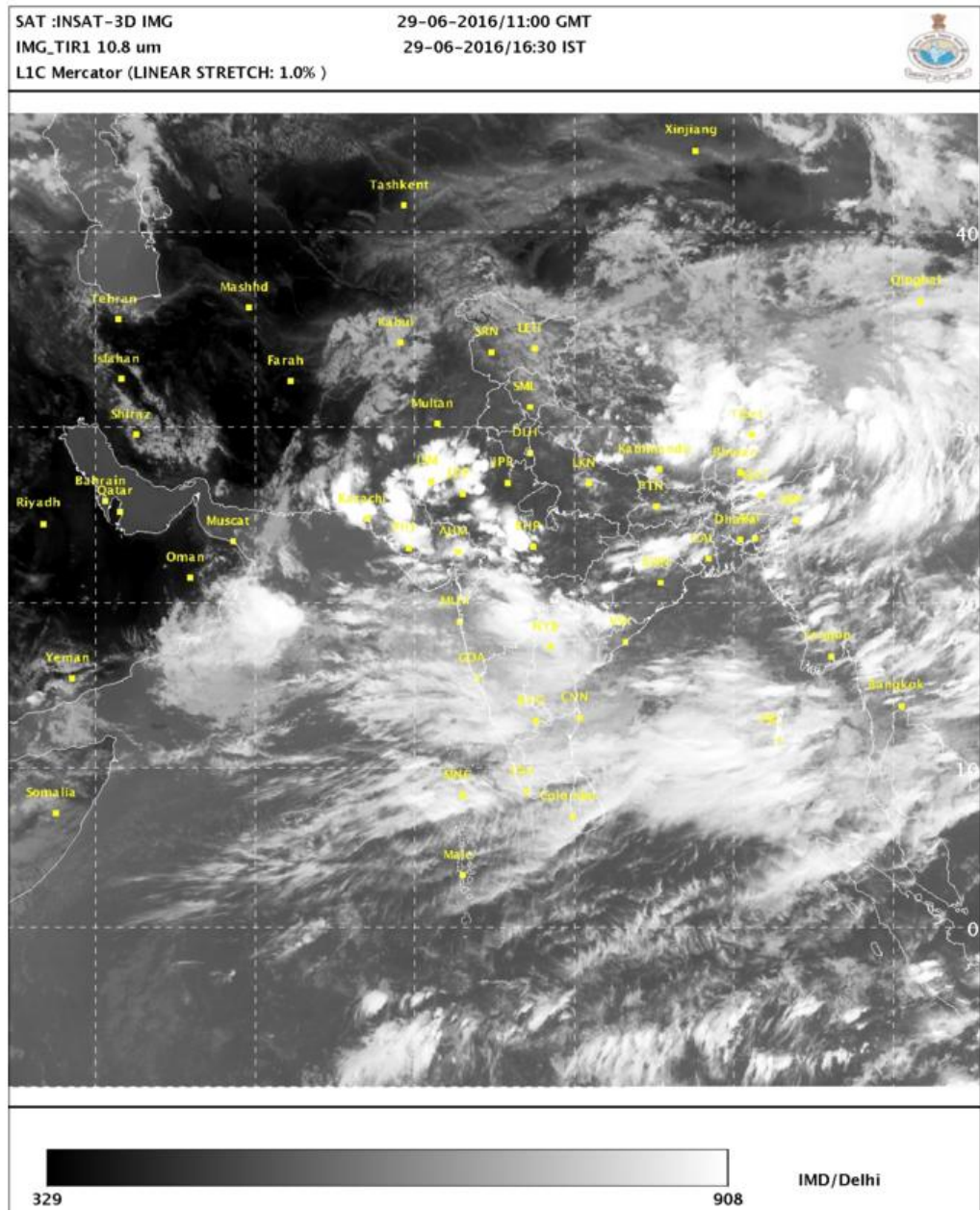


Table-2

## 5-Day Rainfall Forecast

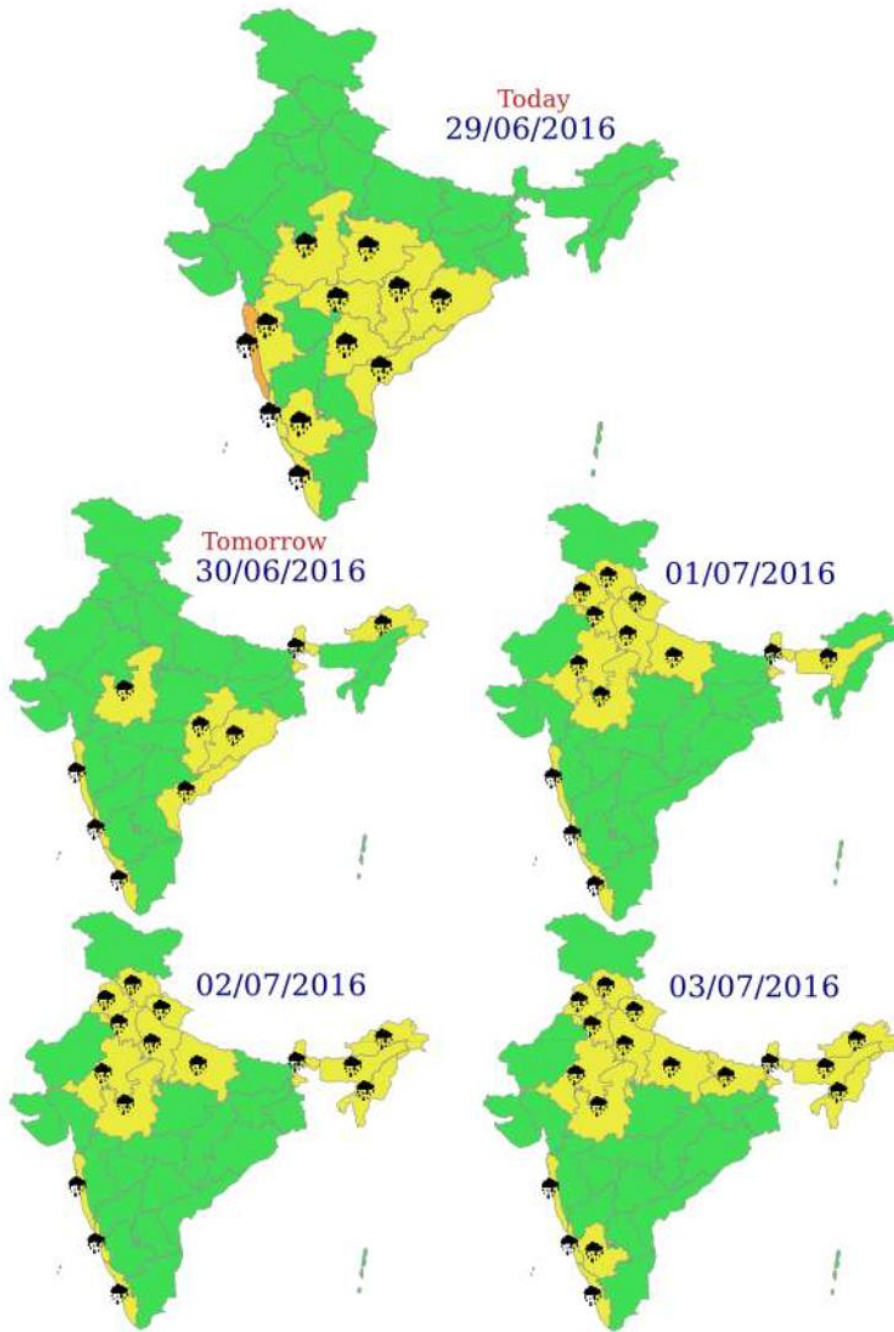
Met-Sub-Division	29-Jun Today	30Jun Thu	01Jul Fri	02Jul Sat	03Jul Sun
1. Andaman & Nicobar Islands	WS	WS	FWS	FWS	SCT
2. Arunachal Pradesh	FWS	FWS	FWS	WS	WS
3. Assam & Meghalaya	SCT	FWS	WS	WS	WS
4. N. M. M. & T.	FWS	FWS	FWS	WS	WS
5. S.H. West Bengal & Sikkim	SCT	FWS	FWS	WS	WS
6. Gangetic West Bengal	SCT	SCT	SCT	FWS	FWS
7. Odisha	FWS	FWS	FWS	WS	FWS
8. Jharkhand	SCT	SCT	SCT	FWS	FWS
9. Bihar	ISOL	ISOL	SCT	FWS	WS
10. East Uttar Pradesh	ISOL	SCT	WS	WS	WS
11. West Uttar Pradesh	SCT	FWS	WS	WS	WS
12. Uttarakhand	FWS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	SCT	SCT	WS	WS	WS
14. Punjab	SCT	SCT	FWS	WS	WS
15. Himachal Pradesh	FWS	FWS	WS	WS	WS
16. Jammu & Kashmir	ISOL	ISOL	SCT	FWS	FWS
17. West Rajsthan	ISOL	ISOL	ISOL	SCT	SCT
18. East Rajasthan	SCT	SCT	FWS	WS	WS
19. West Madhya Pradesh	FWS	WS	FWS	FWS	WS
20. East Madhya Pradesh	FWS	FWS	FWS	FWS	FWS
21. Gujarat Region	FWS	FWS	SCT	FWS	FWS
22. Saurashtra & Kutch	SCT	SCT	FWS	FWS	FWS
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	FWS	SCT	SCT	FWS	FWS
25. Marathawada	FWS	SCT	SCT	FWS	FWS
26. Vidharbha	WS	FWS	SCT	SCT	FWS
27. Chhattisgarh	FWS	FWS	FWS	FWS	FWS
28. Coastal Andhra Pradesh	WS	WS	FWS	FWS	FWS
29. Telangana	FWS	SCT	SCT	FWS	FWS
30. Rayalaseema	SCT	ISOL	ISOL	SCT	SCT
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	FWS	SCT	SCT	SCT	SCT
34. South Interior Karnataka	FWS	SCT	SCT	FWS	FWS
35. Kerala	WS	WS	WS	WS	WS
36. Lakshadweep	FWS	FWS	FWS	FWS	WS

### % Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

Fig-3

# Warning



<b>Most Vigil (Take Action)</b>	<b>Keep Vigil (Be prepared/updated)</b>
Be aware (Be updated)	No Warning

- |              |            |              |              |
|--------------|------------|--------------|--------------|
| Heavy Rain   | Heavy Snow | Thunderstorm | Dust Storm   |
| Strong Winds | Visibility | Cyclone      | Squall/ Hail |
| Frost        | Cold Wave  | Heat Wave    | Sea State    |

# Annexure-1

## Significant amounts of rainfall (in cm) (From 0830 hours IST of yesterday to 0830 hours IST of today) 29 JUNE 2016

### ANDAMAN & NICOBAR ISLANDS:

CAR NICOBAR	4
IAF CARNICOBAR	3
HUT BAY	2
NANCOWARY	2
LONG ISLAND	2
PORT BLAIR	2
MAYA BANDAR	1

### ARUNACHAL PRADESH:

BASAR	3
ITANAGAR	2
TAWANG AWS	2
ROING	1

### ASSAM & MEGHALAYA:

KAMPUR	12
GOLAGHAT CWC	2
D/MOHANBARI AERO	2
GHARMURA	1
GOLAGHAT PTO	1
DHOLAI	1
AMRAGHAT	1
N.LAKHIMPUR/LILABARI	1
WILLIAMNAGAR	1

### NAGALAND, MANIPUR, MIZORAM & TRIPURA:

KAILASHAHAR AERO	5
PHEK AWS	3
UDAIPUR	2
SERCHIP(HYDRO)	2
SABROOM	2
SONAMURA	1
AMARPUR	1
GOKULPUR_AWS	1
LENGPUI	1
BELONIA	1
CHOTTABEKRA	1
DHARMANAGAR/ PANISAGAR	1

### SUB-HIMALAYAN WEST BENGAL & SIKKIM:

BUXADUAR	6
BAGRAKOTE	5
FALAKATA	4
DARJEELING	3
KALIMPONG	3
CHUNGTHANG	2
NAMTHANG	2
CHENGMMARI/DIANA	1
MANGAN	1

### GANGETIC WEST BENGAL:

ASANSOL	2
ASANSOL(CWC)	2
DURGAPUR	1
SONAMUKHI ARG	1
GHEROPARA	1
SURI (CWC)	1
SRI NIKETAN	1
PANAGARH (IAF)	1
TILPARA BARRAGE	1
BANKURA(CWC)	1
D.P.GHAT	1
SIMULA	1

### ODISHA:

CHHATRAPUR	8
SIMILIGUDA AWS	7
NAWARANGPUR	5
JHORIGAM ARG	4
ASKA	4
NAYAGARH	4
BALIMUNDALI	4
KHANDAPARA	4
BETANATI ARG	4
ANGUL	4
BARIPADA	3
BOLAGARH ARG	3
RANPUR	3
POTTANGI	3
PARALAKHEMUNDI	3
UMARKOTE	3
SAMAKHUNTA AWS	3
BARMUL	3
MADHABARIDA	3
JAIPUR	3
DABUGAN ARG	3
BANPUR	3
JAJPUR	3
KALINGA	3
ANANDPUR	3
ODAGAON ARG	3
KAPTIPADA ARG	3
HARICHANDANPUR ARG	3
GHATAGAON	3
SORADA	2
THAKURMUNDA	2
TENTULIKHUNTI ARG	2
RAIGHAR ARG	2
KAMAKHYANAGAR	2
ATHGARH	2
CHANDAHANDI ARG	2
DHENKANAL	2

TIKARPARA	2
PURUSHOTTAMPUR	2
GANIA ARG	2
NAWANA	2
MUNDALI	2
GUNUPUR	2
JAMSOLAGHAT	2
RAIRANGPUR	2
BINJHARPUR ARG	2
BONTH	2
BASUDEVPUR AWS	2
RAYAGADA	2
JAGANNATH PRASAD ARG	2
BHANJNAGAR	2
BELAGUNTHA ARG	2
AKHUAPADA	2
KRISHNAPRASAD	2
CHANDANPUR	1
DAITARI	1
KOREI ARG	1
BARI ARG	1
NUAGADA ARG	1
MALKANGIRI	1
KANTAPADA ARG	1
BERHAMPUR	1
GURUNDIA ARG	1
JHUMPURA	1
KEONJHARGARH	1
RAJKANIKA	1
PATTAMUNDAI	1
DARINGIBADI	1
NILGIRI	1
SWAM-PATNA	1
RAJGHAT	1
KOTRAGUDA	1
UDALA	1
DANAGADI ARG	1
DIGAPAHANDI ARG	1
MAHENDRAGARH	1
BIJEPUR	1
REMUNA ARG	1
BANGIRIPOSI	1
RAJKISHORENAGAR	1
NH5 GOBINDPUR	1
SOHELA	1
LAHUNIPARA	1
HINDOL	1
BARPALLI ARG	1
SAINTALA ARG	1
BINIKA	1
DASPALLA	1
BHAWANIPATNA	1
BHADRAK AWS	1

SORO	1
PIPILI	1
JENAPUR	1
KORAPUT	1
DERABIS ARG	1
JAIPATNA	1
NISCHINTAKOILI ARG	1
DHAMNAGAR ARG	1
KANIHA ARG	1
JOSHIPUR	1
BALASORE	1
BANARPAL ARG	1
GARADAPUR ARG	1
SUKINDA	1
TALCHER	1

**JHARKHAND:**

JAMSHEDPUR AERO	2
GOBINDPUR	1
KHARSEMA	1
PAKURIA	1
CHAIBASA	1
GHATSILA	1
PALKOT	1

**WEST UTTAR PRADESH:**

JALESAR	4
ALIGARH	4
SIKANDARABAD	4
BAREILLY TEHSIL	4
BAREILLY PBO	4
NAWABGANJ	3
HATHRAS	2
KHAIR	2
PILIBHIT TEHSIL	2
SAHABAD	1
KHURJA	1
HARPUR	1
PURANPUR	1
BAREILLY CWC	1
DEOBAND	1

**UTTARAKHAND:**

DHARCHULA	5
DIDIHAT	4
CHAMOLI	3
KARNAPRAYAG	3
JOSHIMATH	3
MUNSIYARI	2
UKHIMATH	1
PITHORAGARH	1

**HARYANA, CHANDIGARH & DELHI:**

SAFIDON	3
GURGAON AWS	1

**HIMACHAL PRADESH:**

BERTHIN AGRO	1
--------------	---

**WEST RAJASTHAN:**

SHIV	3
RAIPUR SR	1
BARMER	1
CHOTAN	1

**EAST RAJASTHAN:**

PAHARI SR	9
PRATAPGARH	7
VIJAYNAGAR SR	5
ALWAR SR	5
ASPUR	5
BHAINSROADGARH SR	4
NADBAI	4
BAYANA	4
SHAHPURA	3
KAMAN	3
CHAMBAL/R.B.DAM	3
JHALARAPATAN SR	3
BEIR SR	3
PACHPAHAR SR	3
HURDA SR	3
KHERWARA	3
JHAZPUR	3
NASIRABAD	3
ANTA SR	3
KOTPUTLI	3
MANDAL SR	3
RAMGARH SR	3
SARWAR	3
PISAGAN SR	3
TODARAISINGH SR	2
RAIPUR	2
PIPALKHUNT SR	2
GARHI	2
DHARIABAD	2
LADPURA SR	2
DHOLPUR TEHSIL SR	2
KOTRI	2
BARAN	2
SARARA	2
ASNAWAR SR	2
NAINWA	2
SAJJANGARH SR	2
DEGOD SR	2
MANGLIAWAS SR	2
RUPBAS	2
HINDOLI	2
SAHADA SR	2
KOTA-AERO	1
NIMARANA	1
MASUDA SR	1
TALERA SR	1
GOVINDGARH SR	1
JHADOL SR	1
BUNDI	1
BIJOLIYA SR	1
BHILWARA TEHSIL SR	1
GANGRAR	1

BAKANI SR	1
KUMBHALGARH SR	1
RAMGANJMANDI SR	1
HINDAUN	1
VIRATNAGAR SR	1
KUMHER SR	1
TIZARA SR	1
SAWAR SR	1
CHOTHKABARWARA SR	1
AMET	1
SABLA SR	1
SARMATHURA SR	1
JAGPURA SR	1
DANPUR	1
RAJSAMAND	1
DEOGARH	1
MANOHAR THANA	1
DEVEL SR	1
BANERA SR	1

**WEST MADHYA PRADESH:**

GANJBASODA	6
SENDHWA(MED)	5
GANDHWANI	5
BHOPAL-AWS-ARG	5
NARSINGARH	4
SHUJALPUR	4
SEHORE-AWS	4
SIRONJ	3
BHIKANGAON	3
KHATEGAON	3
DHAR-AWS	3
MANDSAUR-AWS	3
BIAORA	3
NUSRULGUNJ-ARG	3
ATNER	3
THANDLA	2
LATERI	2
CHACHODA	2
SHAJAPUR-AWS	2
BHANPURA	2
NALCHHA	2
KHACHROD	2
KUKSHI	2
ASHTA-ARG	2
CHANDERI	2
MANASA	2
NEPANAGAR	2
BHAINSDEHI	2
BUDHNI	1
GAUTAMPURA	1
RAISEN-AWS	1
PACHMARHI	1
VIDISHA-AWS	1
TARANA	1
SARDARPUR	1
MULTAI	1
KURWAI	1
PETLAWAD	1
MANAWAR	1



KANNOD-ARG	1	NANDOD	1	RATNAGIRI - IMD OBSY	14
RATLAM-AWS	1	VALOD	1	PERNEM	14
GAROTH	1	RADHANPUR	1	DABOLIM N.A.S.- NAVY	14
BARWAHA	1	GHOGHAMBA	1	MAPUSA	14
BADNAWAR	1	VANSDA	1	PONDA	14
ICHHAWAR	1	CHIKHLI	1	MALVAN	14
SUVASARA	1	JHAGADIA	1	CANACONA	14
NEEMUCH-AWS	1	AMOD	1	VENGURLA - IMD PT	13
SONKATCH	1	DANTIWADA	1	MHASLA	13
<b>EAST MADHYA PRADESH:</b>		<b>SAURASHTRA &amp; KUTCH:</b>		LANJA	13
GADARWARA	4	BHESAN	7	KANKAVLI	13
SAGAR-AWS	4	UNA	5	TALA	12
SAUSAR	3	MENDARDA	5	PEN	12
GHANSORE	3	LATHI	5	SANGAMESHWAR DEVRUKH	12
LAKHNADON	3	CHOTILA	5	PANJIM - IMD OBSY	11
GARHAKOTA	3	DHARI	4	MARGAO	11
REHLI	2	GONDAL	3	DAPOLI_AGRI	11
NARSINGHPUR-AWS	2	WADHVAN	3	ALIBAG - IMD PART TIME	11
KHURAI	2	UPLETA	3	MUMBAI (SANTACRUZ)	10
DEORI	2	TARGHADIA_AWS	3	VAIBHAVWADI	10
BICHHIA	1	DHORAJI	3	DEVGAD	10
CHINDWARA-AWS	1	KALAVAD	3	CHIPLUN	9
TENDUKHEDA	1	VADIA	3	KHED	9
BALAGHAT-AWS	1	KOTDASANGANI	2	PALGHAR AGRI	9
AMARWARA	1	RAJKOT	2	MUMBAI (COLABA)	8
GOTEGAON	1	JODIA	2	ROHA	8
DAMOH-AWS	1	VISAVADAR	2	BHIRA - IMD PART TIME	8
LANJI	1	TANKARA	2	DAHANU - IMD OBSY	8
MALANJKHAND	1	LODHKA	2	MANGAON	7
SEONI-AWS	1	UMRALA	1	SUDHAGAD PALI	7
<b>GUJARAT REGION:</b>		TALALA	1	SHRIWARDHAN	7
CHORYASI	13	DHROL	1	MOKHADA - FMO	6
UMERGAM	8	GARIADHAR	1	MANDANGAD	6
VALSAD	6	BHAVNAGAR	1	MAHAD	5
DAMAN	4	WANKANER	1	URAN	5
VAPI	4	SURENDRANAGAR	1	POLADPUR	5
MODASA	4	GHOGHA	1	JAWHAR	4
JALALPOR	3	RAPAR	1	AMBERNATH	3
PALSANA	3	GADHDA	1	THANE	3
SILVASSA	3	VALLABHIPUR	1	PANVEL_AGRI	3
MADHBUN	3	RAJULA	1	BHIWANDI	3
PARDI	2	OKHA	1	MURBAD	3
JAMBUSER	2	JAMNAGAR	1	SHAHAPUR	3
GANDEVI	2	SHIHOR	1	RAJAPUR	3
NAVSARI	2	LILIA	1	ULHASNAGAR	3
JETPUR PAVI	2	<b>KONKAN &amp; GOA:</b>		MATHERAN	2
HALOL	2	MURUD	21	KARJAT AGRI	2
DADIAPADA_ARG	2	HARNAI IMD OBSY	18	TALASARI	2
VIJAYNAGAR	2	SANGUEM	18	KHALAPUR	2
DEDIAPADA	2	SAWANTWADI	17	WADA	1
DHARAMPUR	1	KUDAL	16	VIKRAMGAD	1
RAJPIPALA	1	VALPOI	15	KALYAN	1
THASRA	1	DODAMARG	15	<b>MADHYA MAHARASHTRA:</b>	
JAMBUGHODA	1	MULDE_AGRI	15	CHOPDA	20
SURAT CITY	1	QUEPEM	15	CHANDGAD	9
KAPRADA	1	MORMUGAO - PMO IMD	15	DAHIGAON - FMO	8
CHIKHLI_ARG	1	GUHAGAR	14	DINDORI	7
				ERANDOL	7
				GAGANBAWADA	6

RADHANAGARI	6	VAIJAPUR	2	SINDKHED RAJA	3
SHAHUWADI	5	KANNAD	2	MALKAPUR	3
MAHABALESHWAR	5	GANGAPUR	1	CHANDUR BAZAR	3
SHIRPUR	5	AURANGABAD AP-IMD OBSY	1	PUSAD	3
PACHORA	3	PATHRI	1	YEOTMAL	3
AJRA	3	KALLAMNURI	1	KURKHEDA	3
BARSHI	3	MANVAT	1	LAKHANI	3
SINNAR	3	RENAPUR	1	BHANDARA (AWS)	3
SAKRI	3	OSMANABAD IMD PARTTIME	1	KHARANGHA	3
GIRNADAM - FMO	2	AMBEJOGAI / MOMINABAD	1	PERSEONI	3
PATHARDI	2	PHULAMBRI	1	WARORA	3
PAUD MULSHI	2	SILLOD	1	UMERKHED	2
CHANDWAD	2	LATUR	1	BULDANA	2
GARGOTI / BHUDARGAD	2	UMARI	1	BRAMHAPURI	2
VADGAON MAVAL	2	DHARUR	1	TIRORA	2
OZHARKHEDA - FMO	2	JINTUR	1	ASHTI	2
SURGANA	2	PARTUR	1	NAGPUR AERODROME	2
PATAN	1	MAJALGAON	1	HINGANGHAT	2
NANDGAON	1	<b>VIDARBHA:</b>		SAKOLI	2
VELHE	1	MULCHERA	25	UMRER	2
IGATPURI	1	ETAPALLI	15	SAKOLI (ARG)	2
JAVLIMEDHA	1	AHIRI	12	DHANORA	2
PANHALA	1	CHAMORSHI	9	MURTAJAPUR	2
DHULE	1	ARJUNI MORGAON	9	SAONER	2
INDAPUR	1	DEOLI	7	ZARIZAMNI	2
HARSUL - FMO	1	KORPANA	7	KALMESHWAR	2
GIDHADE - FMO	1	BALLARPUR	7	GOREGAON	2
MUKTAINAGAR / EDALABAD	1	GADCHIROLI	6	NANDURA	2
SINDKHEDA	1	TIWSA	6	AMRAOTI	2
JALGAON - IMD PT	1	DESAIGANJ	6	BABULGAON	2
KOLHAPUR/KARVIR IMD	1	NAGBHIR	6	CHIKHLI	2
SHEVGAON	1	WANI	6	BHANDARA	2
DAUND	1	ARVI	6	KATOL	2
BHOR	1	RAJURA	6	LAKHANDUR	2
SHIRALA	1	CHANDRAPUR	6	PANDHERIKAWARA	1
SATNA BAGLAN	1	MAUDA	6	MALEGAON	1
PIMPALGAONBASWANT_AGRI	1	MAHAGAON	5	MAREGAON	1
SHAHADA	1	SAOLI	5	MEHKAR	1
SANGOLA	1	GONDIPIPRI	5	TELHARA ( ARG)	1
AMBEGAON GHODEGAON	1	JOITI	5	NARKHED ARG	1
MADHA	1	POMBHURNA	5	BULDHANA ( AWS)	1
ATPADI	1	RAMTEK	5	LONAR	1
KAGAL	1	KORCHI	5	PATUR	1
KARJAT	1	BHIWAPUR	5	HINGNA	1
<b>MARATHWADA:</b>		MUL	5	KARANJALAD	1
KINWAT	8	SALEKASA	4	TIRODA (ARG)	1
MAHUR	6	BHADRAVATI	4	GONDIA	1
HINGOLI - HYDROMET	5	SINDEWAHI	4	DEORI	1
JAFRABAD	4	CHIMUR	4	TELHARA	1
SENGAON	3	PAWNI ( ARG)	4	GONDIA AP	1
BHOKARDAN	2	DEOLGAON RAJA	4	NARKHEDA	1
BHUM	2	MANORA	4	SIRONCHA	1
KAIJ	2	KAMPTEE	3	RISOD	1
SELU	2	AMGAON	3	PAUNI	1
SOEGAON	2	BHAMRAGAD	3	WARDHA	1
UMARGA	2	MANGRULPIR	3	NER	1
HIMAYATNAGAR	2	ARMORI	3	KALAMB	1
HADGAON	2	WASHIM	3	DARWHA	1
BHOKAR	2	KUHI	3	ARNI	1
				CHANDUR RLWY	1

AKOT	1	REPALLE	2	KHANPUR	3
<b>CHHATTISGARH:</b>		KARAMCHEDU	1	SHRIRAMSAG.POCHA	3
BIJAPUR	5	ATMAKUR	1	MAHABUBABAD	2
RAJNANDGAON	4	MANDASA	1	KONIJERLA	2
BHANUPRATAPPUR	4	TADEPALLIGUDEM	1	DHARMAPURI	2
DURG	4	MANGALAGIRI	1	JAGTIAL	2
AMBAGARH CHOWKI	2	AVANIGADA	1	SARANGAPUR	2
KONDAGAON	2	NARSAPURAM	1	GUDURWRGL	2
KANKER	2	PALAKODERU	1	BHUPALPALLE	2
DHAMTARI	1	PRATHIPADU	1	IBRAHIMPATNAM	2
BHOPALPATNAM	1	NELLORE	1	TEKULAPALLE	2
JAGDALPUR	1	VIJAYAWADA A.P.	1	BHEEMADEVARPALLE	2
DONGARGARH	1	VELIGANDLA	1	KHANAPUR	2
KONTA	1	JIYYAMMA VALASA	1	CHINTHAKAM	1
SUKMA	1	NUZVID	1	JULAPALLE	1
GARIABUND	1	YELAMANCHILI	1	NANDIPET	1
RAJIM	1	GUDIVADA	1	SHAYAMPET	1
BALOD	1	GUDUR	1	GARLA	1
		RACHERLA	1	NARSAMPET	1
<b>COASTAL ANDHRA PRADESH:</b>		NANDIGAMA	1	BONAKAL	1
VARARAMACHANDRAPUR	19	NANDIGAMA(ARG)	1	KUSUMANCHI	1
KUNAVARAM	9	PALASA	1	VENKATAPUR	1
VELAIRPAD	7	PODILI	1	MUDHOLE	1
KUKUNOOR	7	SATTENAPALLE	1	MORTAD	1
PEDDAPURAM(A)	6	TUNI	1	BAYYARAM	1
CHINTUR	6	<b>TELANGANA:</b>		DEVARAKONDA	1
PEDDAPURAM	5	MULAKALAPALLE	16	MOGULLAPALLE	1
KAKINADA	5	BURGAMPADU	13	SULTANABAD	1
AMALAPURAM	5	BHADRACHALAM	11	NALLABELLY	1
KOYYALAGUDEM	5	PALAWANCHA	10	ATMAKURWRGL	1
GARUGUBILLI	4	KOTHAGUDEM (DISTRICT: WARANGAL)	8	BALKONDA	1
SHAR	4	MANUGURU	7	CHINNA CHINTA KUNT	1
POLAVARAM	4	SIRPUR (T)	7	MALLIAL	1
SEETHARAMAPURAM	4	PINAPAKA	6	MAHBUBNAGAR	1
SEETHANAGARAM	4	ASWARAOPETA	6	DORNAKAL	1
SULLURPETA	4	ASWAPURAM	6	CHENNARAOPET	1
TADA	4	BOATH	5	KAMAREDDY	1
RAJAHMUNDRY	4	KOIDA	5	ARMUR	1
PRAKASAM BARRAGE	4	ETURNAGARAM	5	SIRSILLA	1
PARVATHIPURAM	3	VENKATAPURAM	5	NAVIPET	1
TIRUVURU	3	SATHUPALLE	5	VELPUR	1
KURUPAM	3	ADILABAD	5	BHEEMGAL	1
UDAYAGIRI	3	JULURPAD	5	KAMMAR PALLE	1
PATHAPATNAM	3	GUNDALA	4	PARVATHAGIRI	1
ARDHAVEEDU	3	UTNUR	4	MANTHANI	1
VINJAMUR	3	NIRMAL	4	MACHAREDDY	1
DOWLESHWARAM	2	KOLLAPUR	4	PEGADAPALLE	1
BESTAVARIPETA	2	YELLANDU	4	LINGAMPET	1
CUMBUM	2	CHENNUR	4	WANAPARTHY	1
CHINTALAPUDI	2	ASIFABAD	3	GANDEED	1
KOMARADA	2	GOVINDARAOPET	3	<b>RAYALASEEMA:</b>	
ARAKU VALLEY	2	CHANDRUGONDA	3	PORUMAMILLA	4
ICHCHAPURAM	2	MANCHERIAL	3	TIRUPATI AERO	3
TANUKU	2	RAMGUNDAM	3	PENAGALURU	2
SOMPETA	2	KHAMMAM URBAN	3	ATMAKUR (DISTRICT: KURNOOL)	2
VENKATAGIRI	2	LUXETTIPET	3	RAJAMPET	2
ADDANKI	2	ENKURU	3	SATYAVEDU	2
BALAJIPETA	2	THOLLADA	3	CHITTOOR	2
		METPALLE	3	SIMHADRIPURAM	2

TIRUMALLA(A)	2	PUZHAL ARG	3	KUNDAPUR	8
VEMPALLE	2	K BRIDGE	3	MANGALURU AP OBSY	8
SRISAILAM	2	CHEMBARAMBAKKAM ARG	3	JAGALBET	7
PUTTUR	2	SHOLINGUR	3	BANTWAL	7
OBULADEVARACHERUVU	2	POONDI	3	MANGALURU	6
NAGARI	2	CHEMBARABAKKAM	3	KOTA	6
SINGANAMALA	2	THALI	3	PANAMBUR OBSY	6
SRIKALAHASTI	2	ARAKONAM	2	YELLAPUR	5
PENU KONDA	2	SHENCOTTAH	2	MANCHIKERE	4
MANDAPALLE	1	RED HILLS	2	UDUPI	4
THOTTAMBEDU	1	POONAMALLE ARG	2	HALIYAL	3
SETTUR	1	UTHAGAMANDALAM	2	MUNDGOD	2
JUPADU BUNGALOW	1	CHOLAVARAM	2	MULKI	2
CHINNAMANDEM	1	BHOOTHAPANDY	2	KIRAVATTI	1
KONDAPURAM	1	AYIKUDI	2		
GORANTLA	1	TIRUVALLUR	2	<b>NORTH INTERIOR KARNATAKA:</b>	
CHILAMATHUR	1	KETTI	2	LONDA	5
ALUR	1	POONAMALLEE	2	HIREKERUR	3
PAKALA	1	PONNERI	2	KHANAPUR	3
LEPAKSHI	1	KANCHEEPURAM	2	HANGAL	2
CHENNE KOTHAPALLE	1	TIRUPATTUR	2	SAVANUR	1
KADIRI	1	CHENNAI(N)	1	SHIGGAON	1
PATTIKANDA	1	ANNA UTY ARG	1	SANKESHWAR	1
PAGIDYALA	1	DEVALA	1	GADAG PBO OBSY	1
TANAKAL	1	DGP OFFICE	1	BELAGAVI AP OBSY	1
KANEKAL	1	ANNA UNIVERSITY	1	HUNGUND	1
NALLAMADA	1	THIRUVALANGADU	1	YELBURGA	1
KADIRI(A)	1	TARAMANI ARG	1	HUBBALLI	1
PALAMANER	1	TIRUPATHUR PTO	1	HUKKERI	1
AMARAPURAM	1	TIRUTTANI	1		
THAMBALAPALLE	1	KUZHITHURAI	1	<b>SOUTH INTERIOR KARNATAKA:</b>	
PALASAMUDRAM	1	KAVERIPAKKAM	1	BHAGAMANDALA	25
GURRAMKONDA	1	COONOOR PTO	1	AGUMBE EMO	22
SAMBEPALLE	1	POLLACHI	1	NAPOKLU	19
ANANTPUR	1	THENKASI	1	KOTTIGEHARA	17
JAMMALAMADUGU	1	WALLAJAH	1	HOSANAGAR	16
PRODDUTUR	1	KELAMBAKKAM	1	THALAGUPPA	14
HINDUPUR	1	R.K.PET	1	KALASA	14
GONEGANDLA	1	KVK KATTUKUPPAM ARG	1	KAMMARDI	14
PULIVENDLA	1	THALAVADI	1	SRINGERI HMS	13
KALAKADA	1	METTUPALAYAM	1	MADIKERI PTO	13
URAVAKONDA	1			VIRAJPET	11
		<b>COASTAL KARNATAKA:</b>		MADAPURA	11
<b>TAMILNADU &amp; PUDUCHERRY:</b>		GERSOPPA	25	HUNCHADAKATTE	11
CHINNAKALAR	13	HONAVAR OBSY	20	KOPPA	10
G BAZAR	12	KUMTA	20	BALLUPET	10
NADUVATTAM	11	SIDDAPURA	17	SOMWARPET	8
PAPANASAM (DISTRICT: TIRUNELVELI)	6	MANKI	17	KONANUR	7
PALLIPATTU	6	DHARMASTHALA	15	TYAGARTHI	6
PERIYAR	5	SUBRAMANYA	15	SORAB	5
VALPARAI TALUK OFFICE	5	KARWAR OBSY	15	KUSHALNAGAR	5
SRIPERUMBUDUR	4	SIDDAPUR	14	SARGUR	5
LOWER KOTHAIYAR ARG	4	PUTTUR HMS	13	N R PURA	4
TAMBARAM	4	MUDUBIDRE	13	ARASALU	4
PECHIPARAI	4	KADRA	12	ARKALGUD	4
VALPARAI PTO	4	ANKOLA	12	SHIKARIPUR	4
THAMARAIPAKKAM	3	SHIRALI PTO	11	ALUR	4
KOLAPAKKAM ARG	3	KARKALA	9	PERIYAPATNA	4
COONOOR	3	SULYA	9	HOLENARASIPURA	3
CHENNAI AP	3	MANI	9		

HUNSUR	3	IDUKKI	8	CHALAKUDI	3
BHARAMSAGARA	3	NILAMBUR	7	MANJERI	3
SHIVAMOGGA PTO	2	AMBALAVAYAL	7	KOCHI I.A.F.	3
BHADRAVATHI	2	PEERMADE TO	6	KOLLAMKODE	3
KRISHNARAJPET	2	THODUPUZHA	6	KOTTAYAM	3
RAYALPADU	2	MANNARKKAD	6	VADAKARA	3
C R PATNA	2	KUDULU	5	CHERTHALA	3
B DURGA	1	IRIKKUR	5	KUMARAKAM	2
BEGUR	1	KANNUR	5	KARIPUR AP.	2
CHITRADURGA OBSY	1	TELLICHERY	5	VADAKKANCHERRY	2
NAYAKANAHATTY	1	PIRAVAM	5	CHITTUR	2
SRAVANABELAGOLA	1	HOSDURG	5	VAIKOM	2
AJJAMPURA	1	PALAKKAD	5	ARYANKAVU	2
DUDDA	1	PARUMBIKULAM	5	KOZHA	2
KADUR	1	TALIPARAMBA	5	QUILANDI	2
THONDEBHAVI	1	ENAMAKKAL	4	NEDUMANGAD	2
PAVAGADA	1	KANJIRAPPALLY	4	ERNAKULAM SOUTH	1
BASARALU	1	KODUNGALLUR	4	KAYAMKULAM	1
Y N HOSKOTE	1	ALWAYE PWD	4	KOZHIKODE	1
KORATAGERE	1	OTTAPALAM	4	MAVELIKARA	1
KRISHNARAJASAGARA	1	VELLANIKKARA	4	THIRUVANANTHAPURAM	1
KOLAR PWD	1	CHERUTHAZHAM	4	PUNALUR	1
ANEKAL	1	IRINJALAKUDA	4	KAYAMKULAM_ AGRI	1
<b>KERALA:</b>		KOCHI C.I.A.L.	4	ALAPUZHA	1
		THRITLA	3	KONNI	1
MANANTODDY	27	PERINTHALAMANNA	3		
VYTTIRI	14	PONNANI	3		
MUNNAR KSEB	9	ANGADIPURAM	3		
MYLADUMPARA AGRI	9	PATTEMBI	3		
MATTANUR	8	ALATHUR	3		
KUPPADY	8	PERUMPAVUR	3		

### LEGEND

(A) / AWS--Automated Weather Station  
 ARG--Automated Rain-Gauge  
 SR--State Raingauge  
 AP--Airport  
 IAF--Indian Air Force

IMD--India Meteorological Department  
 PWD--Public Works Department  
 PT / PTO--Part Time Observatory  
 CDR--Cyclone Detection Radar  
 CWC--Central Water Commission

FMO--Flood Met. Office  
 PBO--Pilot Balloon Observatory  
 REV--Revenue