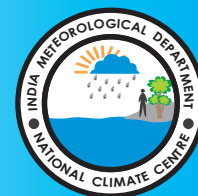




INDIA METEOROLOGICAL DEPARTMENT



GOVERNMENT OF INDIA

NATIONAL CLIMATE CENTRE

Data Products of NCC

(w.e.f. 1 Mar 2016)

Product No.	Product Name	Price for Indian Parties	Price for Foreign Parties
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★ 1/2005

Rainfall Data
(1°X1°) 1951 - 2015
(Based on over 2100 Stns)

Rs. 8000

US \$ 400

2/2008

Districtwise Normals

Rs. 1000

US \$ 100

★ 3/2008

Temperature Data
(1°X1°) 1951 - 2014

Rs. 3000

US \$ 250

★ 4/2009

Rainfall Data
(1°X1°) 1901 - 2015
(Based on over 1300 Stns)

Rs. 8000

US \$ 400

★ 5/2014

Rainfall Data
(0.25°X0.25°)
1901 - 2015

Rs.15000

US \$1000

★ Data are provided in form of binary (.grd format created on a little Endian machine) & ASCII (text) files of each year separately. Data are in matrix format, one day after another in order for all 365/366 days of a year (both binary and ASCII). Sample data of one day in ASCII format (in form of a matrix) is attached at the end of this announcement for reference.

The ASCII data opens in common text editors like Notepad/ Wordpad and in MS excel.

Binary data cannot be viewed directly. Knowledge of some software like GrADS, Ferret, NCL, Matlab, FORTRAN or C may be required to read and view the binary data in pictorial / graphical form. Sample Program in FORTRAN and C is provided in the CD to read the data.

User may kindly confirm the utility of these data in the provided formats before purchasing. Conversion of these data into any other format will be the sole responsibility of the user.



INDIA METEOROLOGICAL DEPARTMENT

National Climate Centre (NCC), India Meteorological Department, Pune has brought out CD ROMs containing high resolution daily gridded rainfall & temperature data sets for the Indian region. The data are interpolated using quality controlled station data.

These data CD ROMs are available to research community in academic and research institutes. These data sets are not meant for any commercial use and applications.

The procedure to purchase these data sets is as follows:

1. Fill up the requisition and undertaking forms duly signed and stamped.
(These forms are attached at the end)
2. Make payment by a demand draft drawn on any Nationalized Bank in favour of
"The Head, Climate Research and Services, Pune" payable at Pune.
(The cost of data CD is inclusive of all charges. If you are interested in more than one product, a combine Demand Draft of total amount will do)
3. Send the above forms along with the payment to the following address:

**Attn: Officer- in-Charge
National Climate Centre,
O/o Climate Research and Services,
India Meteorological Department,
Shivajinagar, Pune - 411005,
India**

Once we receive the payment, requisition form and certificate of undertaking, we shall send the data CD ROM and receipt of Payment by registered post.

For further details please contact : ncc@imd.gov.in
cmagpune@gmail.com
Telephone - 91-020-25572211
Fax - 91-020-25535435

Announcement



GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT



DAILY DISTRICTWISE NORMALS OF METEOROLOGICAL PARAMETERS

This CD-ROM contains daily normals of 7 meteorological parameters, viz. rainfall, maximum temperature, minimum temperature, mean temperature, relative humidity, total cloud amount and wind speed. The rainfall normals have been prepared for 524 districts using 50 years of data (1941-1990) and normals of other parameters have been prepared for 441 districts using 30 years of data (1971-2000). The basic data have been quality controlled before calculating district wise normals.

The units of data are:

Rainfall: mm

Temperature: °C

Relative Humidity: Per cent

Cloud amount: Octas (1/8 of sky cover) and
wind: km/hour

Rainfall amount is cumulative rainfall for the past 24 hours measured at 0830 IST of the day.

Relative humidity, wind speed and cloud amount values are calculated as an average of values measured at 0830 and 1730 hours IST.

Mean temperature is the average of maximum and minimum temperatures.

Arainyday (R day) is defined when rainfall in the past 24 hours is greater than or equal to 2.5 mm

The data CD ROM is available at a nominal cost :
for users in India : Rs. 1000/-
for users outside India : US \$100/-

**At the
National Climate Centre
India Meteorological Department,
Shivajinagar, Pune 411 005
India.**

The payment should be made by a demand draft in
**favour of "The Head, Climate Research
and Services, Pune"** payable at Pune

**Once we receive the payment, we shall send the data
CD ROM by post.**

Telephone - 91-020-25572211

Fax - 91-020-25535435

ncc@imd.gov.in

cmagpune@gmail.com



National Climate Centre
India Meteorological Department
Shivajinagar, Pune 411 005
INDIA

Requisition Form

(For procuring gridded data products)

Product Number & Names: _____, _____,

_____, _____, _____

1	Name of issuing person	
2	Affiliation and Research Institute with country's name	Country :
3	Name of person & Institute (as it should appear on the receipt of Payment issued by this office)	Name - Institute -
4	Complete Postal Address where the data CD should be sent	<div style="border: 1px solid black; display: inline-block; padding: 2px;">Pin Code</div> <div style="display: inline-block; border: 1px solid black; width: 15px; height: 15px;"></div> <div style="display: inline-block; border: 1px solid black; width: 15px; height: 15px;"></div> <div style="display: inline-block; border: 1px solid black; width: 15px; height: 15px;"></div> <div style="display: inline-block; border: 1px solid black; width: 15px; height: 15px;"></div> <div style="display: inline-block; border: 1px solid black; width: 15px; height: 15px;"></div> <div style="display: inline-block; border: 1px solid black; width: 15px; height: 15px;"></div>
5	phone and fax numbers	
6	E- mail address	Personal: Official:
7	Field of research/ specialization	
8	Purpose of obtaining these data sets. <i>(Please briefly mention the details of the research projects for which the data set will be used)</i>	
9	Is your project funded externally or internally	

(Signature)

Note:
 This form may be printed on your institute's official letterhead. The duly filled in form may be signed by the Head of the Department/Research Guide.

CERTIFICATE OF THE UNDERTAKING

(For Purchasing the IMDs daily gridded rainfall / temperature data CD ROMs)

Product Names	Product Numbers
.....
.....
.....

It is certified that:

1. The data supplied by the India Meteorological Department will be used only for the purpose for which it has been asked and supplied.

2. The data are meant exclusively for our own use and shall not be passed on to any other party or agency (Indian or Foreign) either in part or in full. If so needed, prior approval in writing will be taken from the India Meteorological Department for the same.

3. The data shall not be used for any commercial purpose or to earn consultancy fees, honoraria etc.

4. Due acknowledgement shall be given to India Meteorological Department for the source of data in all reports / publications etc. brought out by the user.

5. I will not hold India Meteorological Department responsible for any loss or damage arising from the use of these data.

Station:

Date:

SIGNITURE AND NAME OF THE
HEAD OF THE OFFICE / DEPARTMENT
WITH OFFICE SEAL

sample gridpoint data of one day in 1x1 degree in ASCII (TEXT) format attached for reference

Day	15-Aug	66.5	67.5	68.5	69.5	70.5	71.5	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5	84.5	85.5	86.5	87.5	88.5	89.5	90.5	91.5	92.5	93.5	94.5	95.5	96.5	97.5	98.5	99.5	100.5		
38.5																																						
37.5																																						
36.5								0	25	17	0			0	0																							
35.5									34	33	21	0	0	0	0	0																						
34.5									28	27	11	0	0	0	0	1																						
33.5									10	3	3	1	0	0	3																							
32.5										25	13	16	5	1	5																							
31.5										0	1	1	4	1	10																							
30.5									6	0	44	0	8	0	9	5																						
29.5							4	0	0	14	3	11	2	9	0																4	4	2					
28.5					0	30	3	3	1	0	4	14	60	6	0	0	0								11				5	6	3	1	0		0			
27.5				0	0	13	31	0	1	8	0	0	0	0	1	3	21	6	0	0					10	5	19	21	5	7	11	35	69		0			
26.5					0	0	33	37	1	0	0	0	0	0	0	0	0	0	0	0	0	18	11	22	24	29	73	3	3	11	78							
25.5						12	0	8	13	0	0	2	4	1	0	2	0	4	0	0	0	0	0	3	9			54	27	2	18							
24.5			0	0	27	42	30	6	6	0	0	0	0	1	14	4	1	15	13	0	1	18	8	2				10	43	8	2							
23.5			0	0	12	0	2	0	57	0	0	14	3	61	13	1	6	5	2	3	4	1	17					68	2	1								
22.5				0	0	3	24	0	1	4	11	0	14	39	10	7	1	23	13	16	1	19	9						12									
21.5				0	3	0	0	8	0	1	7	1	15	5	15	5	19	25	16	9	0	16	60															
20.5					0	1		1	2	0	9	1	12	2	5	2	4	12	1	3	0	0																
19.5							8	4	0	0	0	0	0	0	0	4	7	0	0	1	0																	
18.5							6	6	0	2	10	5	0	13	20	2	1	0	0		0																	
17.5								16	0	1	0	1	13	17	56	28	1	0				0																
16.5								5	0	0	0	0	0	1	0	3	8	2																				
15.5								12	10	9	7	0	9	0	8																							
14.5									4	4	0	0	0	0	0	0																						
13.5									8	3	0	0	0	0	0	0																						
12.5									2	10	1	0	0	0	0	0																						
11.5										0	0	1	4	0																								
10.5										1	0	1	3	17																								
9.5												1	0	0	0																							
8.5												4	0	0																								
7.5																																						
6.5																																						