

AUTOMATIC WEATHER STATION NETWORK

Agriculture is the mainstay of the rural community living in the villages of Jharkhand. The agriculture operations are to great extent weather dependent. The whole operations of ground preparation, tilling, sowing, weeding, fertilizer/pesticide applications, irrigation, harvesting etc. are decided based on weather situation and trends. The crop selection to a large extent is based on arrival of monsoon and its expected performance. Further, the post-harvest operations such as drying, transportation etc. also critically depend on fair weather. Thus, besides current weather information, the optimal planning and management of agricultural operations require forecast of weather over the next few days and an outlook for a few weeks ahead.

Availability of weather information to the rural community in terms of current weather situation, forecasts (short and medium range) and an outlook for the season can significantly reduce the risk involved in agriculture operations and lead to improved productivity. The weather insurance coverage being extended to the agricultural sector at farm level will also solely depend on the weather information with adequate spatial coverage and frequency. In order to establish the Jharkhand weather information service, a total of 60 Automatic Weather Stations (AWS) have been established in different 60 blocks covering all the districts of Jharkhand by Indian Space Research Organization in coordination with Jharkhand Space Application Centre (JSAC), Department of Information Technology, Govt. of Jharkhand. In second phase 54 AWS will be established. In future, Agriculture and Sugarcane Development Department, Govt. of Jharkhand is a planning to cover remaining blocks of Jharkhand.

To record the data from all these Automatic Weather Stations a Weather data reception centre has been established at Jharkhand Space Application Centre, Ranchi by Agriculture and Sugarcane Development Department, Govt. of Jharkhand with the help of ISRO. At present the weather services are being provided by JSAC through its website. In future there is a plan to start the Farmer Advisory Service using the Automatic Weather Station network. Through this service farmers can get expert advice about the agricultural operations to be carried out through SMS and by approaching Common Service Centre.

The location of Automatic Weather Stations installed in Jharkhand is given below.

S.N.	District	Block	Contact details	Office/Institution
1	BOKARO	GUMIA	Block Development Officer, GUMIA Dist-Bokaro, Jharkhand	D.C. office
2	CHATRA	GIDHAUR	Block Development Officer, GIDHAUR Dist-Chatra, Jharkhand	D.C. office
3	DEOGHAR	DEVIPUR	Block Development Officer, Devipur Dist-Deoghar, Jharkhand	D.C. office
4	DHANBAD	DHANBAD-CUM-KEN-DUADIH	Dr. Gurudeep Singh, Dept. of Environment Science and Engineering ISM Dhanbad	Indian School of Mines, Dhanbad
5	DUMKA	DUMKA	Block Development Officer, DUMKA Dist-Dumka, Jharkhand	D.C. office
6	GARHWA	BHANDARIA	Block Development Officer, BHANDARIA Dist-Garhwa, Jharkhand	D.C. office
7	GARHWA	BHAWNATHPUR	Block Development Officer, BHAWNATHPUR Dist-Garhwa, Jharkhand	
8	GARHWA	CHINIA	Block Development Officer, CHINIA Dist-Garhwa, Jharkhand	
9	GARHWA	DANDAI	Block Development Officer, DANDAI Dist-Garhwa, Jharkhand	
10	GARHWA	DHURKI	Block Development Officer, DHURKI Dist-Garhwa, Jharkhand	
11	GARHWA	KANDI	Block Development Officer, KANDI Dist-Garhwa, Jharkhand	
12	GARHWA	KHARAUNDHI	Block Development Officer, KHARAUNDHI Dist-Garhwa, Jharkhand	
13	GARHWA	MAJHIAON	Block Development Officer, MAJHIAON Dist-Garhwa, Jharkhand	
14	GARHWA	MERAL (PIPRA KALAN)	Block Development Officer, MERAL (PIPRA KALAN) Dist-Garhwa, Jharkhand	
15	GARHWA	NAGARUNTARI	Block Development Officer, NAGARUNTARI Dist-Garhwa, Jharkhand	
16	GARHWA	RAMKANDA	Block Development Office RAMKANDA Dist-Garhwa, Jharkhand	
17	GARHWA	RAMNA	Block Development Officer, RAMNA Dist-Garhwa, Jharkhand	
18	GARHWA	RANKA	Block Development Officer, RANKA Dist-Garhwa, Jharkhand	
19	GIRIDIH	JAMUA	Block Development Officer, JAMUA Dist-Giridih, Jharkhand	D.C. office
20	GODDA	MAHAGAMA	Block Development Officer, MAHAGAMA Dist-Godda, Jharkhand	D.C. office
21	GUMLA	GHAGHRA	Block Development Officer, GHAGHRA Dist-Gumla, Jharkhand	D.C. office
22	HAZARIBAGH	HAZARIBAGH	Vinoba Bhave University, Hazaribagh	Vice Chancellor
23	JAMTARA	NARAYANPUR	Block Development Officer, NARAYANPUR Dist-Jamtara, Jharkhand	D.C. office
24	KODERMA	CHANDWARA	Block Development Officer, CHANDWARA Dist-Koderma, Jharkhand	D.C. office
25	LATEHAR	CHANDWA	Nucleus Brood Lac Farm, Turhamu, Chandwa, Latehar	Director, IFP
26	LOHARDAGA	KISKO	Block Development Officer, Kisko Dist-Lohardaga, Jharkhand	D.C. office

27	PAKAUR	AMRAPARA	Block Development Officer, AMRAPARA Dist-Pakur, Jharkhand	D.C. office
28	DALTONGANJ	BISHRAMPUR	Block Development Officer, BISHRAMPUR Dist-Daltonganj, Jharkhand	D.C. office
29	DALTONGANJ	CHAINPUR	Block Development Officer, CHAINPUR Dist-Daltonganj, Jharkhand	
30	DALTONGANJ	CHHATARPUR	Block Development Officer, CHHATARPUR Dist-Daltonganj, Jharkhand	
31	DALTONGANJ	HARIHARGANJ	Block Development Officer,HARIHARGANJ Dist-Daltonganj, Jharkhand	
32	DALTONGANJ	HUSSAINABAD	Block Development Officer, HUSSAINABAD Dist-Daltonganj, Jharkhand	
33	DALTONGANJ	LESLIEGANJ	Block Development Officer, LESLIEGANJ Dist-Daltonganj, Jharkhand	
34	DALTONGANJ	MANATU	Block Development Officer, MANATU Dist-Daltonganj, Jharkhand	
35	DALTONGANJ	PANDU	Block Development Officer, PANDU Dist-Daltonganj, Jharkhand	
36	DALTONGANJ	PANKI	Block Development Officer, PANKI Dist-Daltonganj, Jharkhand	
37	DALTONGANJ	PATAN	Block Development Officer, PATAN Dist-Daltonganj, Jharkhand	
38	DALTONGANJ	SATBARWA	Block Development Officer, SATBARWA Dist-Daltonganj, Jharkhand	
39	PASHCHIMI SINGHBHUM	CHAKRADHARPUR	Block Development Officer, CHAKRADHARPUR Dist- West Singhbhum, Jharkhand	D.C. office
40	PURBI SINGHBHUM	CHAKULIA	Block Development Officer, CHAKULIA Dist-East Singhbhum, Jharkhand	D.C. office
41	RAMGARH	RAMGARH	Block Development Officer, Ramgarh Post- Ramgarh, Dist-Ramgarh	D.C. office
42	RANCHI	ANGARA	Block Development Officer, ANGARA Dist-Ranchi, Jharkhand	D.C. office
43	RANCHI	MANDAR	Forest Reasearch Centre, Mandar, Ranchi	Director,IFP
44	RANCHI	BERO	Block Development Officer, BERO Dist-Ranchi, Jharkhand	
45	RANCHI	RATU	Central Tasar Research and Traning Institute, Naagri, Ranchi	Director,CTR&TI
46	RANCHI	NAMKUM	Jharkhand Space Application Center, Second Floor, Engineer's Hostel-II, Dhurwa, Ranchi	Director, JSAC
47	RANCHI	BUNDU	Block Development Officer, BUNDU Dist-Ranchi, Jharkhand	
48	RANCHI	BURMU	Block Development Officer, BURMU Dist-Ranchi, Jharkhand	
49	RANCHI	CHANHO	Block Development Officer,CHANHO Dist-Ranchi, Jharkhand	
50	RANCHI	LAPUNG	Block Development Officer,LAPUNG Dist-Ranchi, Jharkhand	
51	RANCHI	ORMANJHI	Block Development Officer, ORMANJHI Dist-Ranchi, Jharkhand	
52	RANCHI	SILLI	Block Development Officer,SILLI Dist-Ranchi, Jharkhand	
53	RANCHI	SONAHATU	Block Development Officer,SONAHATU Dist-Ranchi, Jharkhand	
54	RANCHI	TAMAR	Block Development Officer,TAMAR Dist-Ranchi, Jharkhand	
55	KHUNTI	KARRA	Block Development Officer,KARRA Dist-Khunti, Jharkhand	D.C. office
56	KHUNTI	ARKI	Block Development Officer, ARKI, Dist-Khunti, Jharkhand	

57	KHUNTI	KHUNTI	Block Development Officer, KHUNTI Dist-Khunti, Jharkhand	
58	SAHIBGANJ	RAJMAHAL	Block Development Officer, RAJMAHAL Dist-Sahibganj, Jharkhand	D.C. office
59	SERAIKELA- KHARSAWAN	KHARSAWAN	Block Development Officer, KHARSAWAN Dist-Seraikele, Jharkhand	D.C. office
60	SIMDEGA	KOLEBIRA	Block Development Officer, Kolebira Dist- Lohardaga, Jharkhand	D.C. office

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