

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
LOK SABHA  
UNSTARRED QUESTION NO.1956  
TO BE ANSWERED ON FRIDAY, FEBRUARY 12, 2021**

**TRAINING TO STAFF APPOINTED IN AWS**

**1956. SHRI GOPAL CHINNAYA SHETTY:**

**Will the Minister of EARTH SCIENCES be pleased to state:**

- (a) whether the staff appointed in Automated Weather Stations (AWS) are suitably trained to dispose of their duty of monitoring data and providing accurate information, if so, the details thereof;
- (b) whether regular inspections are being conducted to ensure quality control, calibration and utilization of data obtained from AWS to develop a weather forecast model; and
- (c) if so, the details thereof?

**ANSWER  
MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND  
MINISTRY OF EARTH SCIENCES  
(DR. HARSH VARDHAN)**

- (a) Automatic Weather Stations are automatic stations, for which no dedicated staff is required on day to day basis for its operation. However, Surface Instruments Maintenance & Monitoring Unit at IMD, Pune is monitoring the functioning of AWS network and imparts periodic training to the Met Officials at field stations across India in servicing, calibration & maintenance of AWS.
- (b) & (c) Met Officials posted at 206 Synoptic Meteorological stations across the country are maintaining AWS within 150Km distance from their observatory and carry out servicing, comparison with standard & Calibration in order to ensure quality of AWS data.

List of IMD owned Synoptic Observatories taking part in Servicing/Calibration/Comparison with standards of AWS within 150KM from these observatories are given in *Annexure*.

**Annexure**

<b>S.No</b>	<b>Name of observatory</b>	<b>Distirict</b>	<b>State</b>
1	Port blair	South Andaman	A.N. Island
2	Ananthapur	Ananthapur	Andhra Pradesh
3	<u>Bapatla</u>	Guntur	Andhra Pradesh
4	Kalingapatnam	Sreekakkulam	Andhra Pradesh
5	Kakinada	East Godavari	Andhra Pradesh
6	Kavali	Nellore	Andhra Pradesh
7	Kurnool	Kurnool	Andhra Pradesh
8	Machilipatnam	Krishna	Andhra Pradesh
9	Nellore	Nellore	Andhra Pradesh
10	Narsapore	West Godavari	Andhra Pradesh
11	Ongole	Prakasham	Andhra Pradesh
12	Tuni	East Godavari	Andhra Pradesh
13	Visakhapatnam	Visakhapatnam	Andhra Pradesh
14	Tirupathi AP	Chittoor	Andhra Pradesh
15	Gannavaram	Krishna	Andhra Pradesh
16	Amaravati	Krishna	Andhra Pradesh
17	Itanagar	Papumpara	Arunachal Pradesh
18	Passighat	East Siang	Arunachal Pradesh
19	North Lakhimpur	North Lakhimpur	Assam
20	Mohanabari	Dibrugarh	Assam
21	Tezpur	Sonitpur	Assam
22	Jorhat	Jorhat	Assam
23	Guwahati AP	Kamrup Metro	Assam
24	Silchar	Cachar	Assam
25	Dhubri	Dhubri	Assam
26	Patna	Patna	Bihar
27	Bhagalpur	Bhagalpur	Bihar
28	Gaya	Gaya	Bihar
29	Purnea	Purnea	Bihar
30	Raipur	Raipur	Chatisgarh
31	Jagdapur	Jagdapur	Chatisgarh
32	Ambikapur	Surguja	Chatisgarh
33	Mana AP	Raipur	Chatisgarh
34	Bilaspur	Bilaspur	Chatisgarh
35	Pendra Road	Janjgir	Chatisgarh
36	New Delhi Palam	Delhi	Delhi

37	MC Chandigarh	Delhi	Delhi
38	RS/RW Ayanagar	Delhi	Delhi
39	Seismo Ridge	Delhi	Delhi
40	New Delhi SFD	Delhi	Delhi
41	Panjim	Goa	Goa
42	Marmugoa	Goa	Goa
43	Rajkot	Rajkot	Gujarat
44	Ahmedabad	Ahmedabad	Gujarat
45	Bhavnagar	Bhavnagar	Gujarat
46	Bhuj	Bhuj	Gujarat
47	Dwarka	Jamnagar	Gujarat
48	Naliya	Kutch	Gujarat
49	Okha	Jamnagar	Gujarat
50	Porbandar	Junagadh	Gujarat
51	Veraval	Junagadh	Gujarat
52	Surat	Surat	Gujarat
53	Deesa	Banskanda	Gujarat
54	Vadodara	Vadodara	Gujarat
55	Shimla	Shimla	Himachal
56	AMS Kangra	Kangra	Himachal
57	Sundernagar	Mandi	Himachal
58	Kalpa	Kinnar	Himachal
59	Bhuntar	Kulu	Himachal
60	AMS Shimla	Shimla	Himachal
61	Hissar	Hissar	Haryana
62	Karnal	Karnal	Haryana
63	Ambala	Ambala	Haryana
64	Srinagar	Srinagar	J & K
65	Jammu	Jammu	J & K
66	Banihal	Doda	J & K
67	Kupwara	Kupwara	J & K
68	Batote	Batote	J & K
69	Badarwah	Doda	J & K
70	Kukernag	Anantnag	J & K
71	Pahalgam	Anantnag	J & K
72	Katra	Udhampur	J & K
73	Qazigund	Anantnag	J & K
74	Ranchi	Ranchi	Jharkhand
75	Jamshedpur	Ranchi	Jharkhand
76	Daltonganj	Palamau	Jharkhand
77	Bangalore C.O.	Bangalore	Karnataka
78	Bangalore AP	Bangalore	Karnataka
79	Panambur	Dakshina Kannada	Karnataka

80	Bajpe	Dakshina Kannada	Karnataka
81	Gadag	Dharwad	Karnataka
82	Chitradurga	Chitrdurga	Karnataka
83	Gulbarga	Gulbarga	Karnataka
84	Honavar	Uttarakannada	Karnataka
85	Karwar	Uttarakannada	Karnataka
86	AMO KGIAL	Bengaluru	Karnataka
87	Belgaum AP	Belgaum	Karnataka
88	Thiruvananthapuram	Thiruvananthapuram	Kerala
89	CIAL Kochi	Ernakulam	Kerala
90	Kozhikode	Kozhikode	Kerala
91	Trivendrum Airport	Thiruvananthapuram	Kerala
92	Kozhikde AP	Kozhikode	Kerala
93	Allapuzha	Allapuzha	Kerala
94	Kannur	Kannur	Kerala
95	Indore	Indore	Madhya Pradesh
96	Bairagarh	Bhopal	Madhya Pradesh
97	Guna	Guna	Madhya Pradesh
98	Gwalior	Gwalior	Madhya Pradesh
99	Sagar	Sagar	Madhya Pradesh
100	Hoshangabad	Hoshangabad	Madhya Pradesh
101	Jabalpur	Jabalpur	Madhya Pradesh
102	Khajuraho	Chhatrapur	Madhya Pradesh
103	Satna	Satna	MadhyaPradesh
104	Aurangabad	Aurangabad	Maharashtra
105	Dahanu	Thane	Maharashtra
106	Ratnagiri	Ratnagiri	Maharashtra
107	Mumbai (Santacruz)	Mumbai	Maharashtra
108	Nasik	Nasik	Maharashtra
109	Pune	Pune	Maharashtra
110	Mahabaleshwar	Satara	Maharashtra
111	Solapur	Solapur	Maharashtra
112	Harnai	Ratnagiri	Maharashtra
113	Kolhapur	Kolhapur	Maharashtra
114	Parbhani	Parbhani	Maharashtra
115	Sangali	Sangali	Maharashtra
116	Satara	Satara	Maharashtra
117	Pashan	Pune	Maharashtra
118	Nagpur	Nagpur	Maharashtra
119	Akola	Akola	Maharashtra
120	Mumbai (Colaba)	Mumbai	Maharashtra
121	AMS Gondia	Gondia	Maharashtra
122	Imphal AP	Imphal West	Manipur

123	CSO Shillong	East Kashi Hills	Meghalaya
124	Cherrapunji	East Kashi Hills	Meghalaya
125	Barapani	Ri-bhoi	Meghalaya
126	Lengpui	Aizwal	Mizoram
127	Bhubaneswar	Khurda	Orissa
128	Chandabali	Bhadrak	Orissa
129	Puri	Khurda	Orissa
130	Gopalpur	Ganjam	Orissa
131	Balasore	Bhadrak	Orissa
132	Jharsuguda	Sambalpur	Orissa
133	Keonjargarh	Keonjargarh	Orissa
134	Sambalpur	Sambalpur	Orissa
135	Hirakud	Sambalpur	Orissa
136	Paradeep	Jagatsinghpur	Orissa
137	Patiala	Patiala	Punjab
138	Ludhiana	Ludhiana	Punjab
139	Amritsar	Amritsar	Punjab
140	Jaipur	Jaipur	Rajasthan
141	Kota	Kota	Rajasthan
142	Jodhpur	Jodhpur	Rajasthan
143	Jaisalmer	Jaisalmer	Rajasthan
144	Barmer	Barmer	Rajasthan
145	Bikaner	Bikaner	Rajasthan
146	Churu	Churu	Rajasthan
147	Sriganganagar	Sriganganagar	Rajasthan
148	Ajmer	Ajmer	Rajasthan
149	Dabok	Udaipur	Rajasthan
150	M.C.Jaipur	Jaipur	Rajasthan
151	PBO Kota	Kota	Rajasthan
152	SMO Udaipur	Udaipur	Rajasthan
153	Gangtok	East Sikkim	Sikkim
154	Tadong	East Sikkim	Sikkim
155	Adirampattinam	Thanjavur	Tamilnadu
156	Coimbatore.AP	Coimbatore	Tamilnadu
157	Menambakam Airport	Chennai	Tamilnadu
158	Nungambakam	Chennai	Tamilnadu
159	Karaikal	Pondicherry	Tamilnadu
160	Kodaikanal	Dindigul	Tamilnadu
161	Kanyakumari	Kanyakumari	Tamilnadu
162	Pamban	Ramanathapuram	Tamilnadu
163	Pondicherry	Pondicherry	Tamilnadu
164	Tiruchirapally	Tiruchirappalli	Tamilnadu
165	Tondi	Ramanathapuram	Tamilnadu

166	Madurai AP	Madurai	Tamilnadu
167	Salem	Salem	Tamilnadu
168	Vellore	Vellore	Tamilnadu
169	Cuddalore	Cuddalore	Tamilnadu
170	Nagapattinam	Nagapattinam	Tamilnadu
171	Hyderabad	Hyderabad	Telengana
172	Ramagundam	Karimnagar	Telengana
173	Nizamabad	Nizamabad	Telengana
174	Agartala	West Tripura	Tripura
175	Kailashahar	Agartala	Tripura
176	Lucknow	Lucknow	Uttar Pradesh
177	Allahabad	Allahabad	Uttar Pradesh
178	Babatpur	Varanasi	Uttar Pradesh
179	Bareilly	Bareilly	Uttar Pradesh
180	Gorakhpur	Gorakhpur	Uttar Pradesh
181	Varanasi	Varanasi	Uttar Pradesh
182	Sultanpur	Shahjahanpur	Uttar Pradesh
183	Baharaich	Baharaich	Uttar Pradesh
184	Fursatganj	Raibareilli	Uttar Pradesh
185	Jhansi	Jhansi	Uttar Pradesh
186	Meerut	Meerut	Uttar Pradesh
187	Minicoy	Lakshadweep	Uttar Pradesh
188	Aminidivi	Lakshadweep	Uttar Pradesh
189	Agathi AP	Lakshadweep	Uttar Pradesh
190	Mukteshwar	Nainital	Uttarakhand
191	Tehri	Tehri	Uttarakhand
192	Pantnagar	Nainital	Uttarakhand
193	Jolly Grant Air port	Dehradun	Uttarakhand
194	Dehradun	Dehra Dun	Uttarakhand
195	Alipore	24-Parganas	West Bengai
196	Dum Dum	24-Parganas	West Bengal
197	Sriniketan	Birbhum	West Bengal
198	Diamond Harbour	24-Parganas	West Bengal
199	Digha	Midnapur	West Bengal
200	Haldia	Midnapur	West Bengal
201	Bankura	Bankura	West Bengal
202	Asansol	Burdwan	West Bengal
203	Malda	Malda	West Bengal
204	Canning	24-Parganas	West Bengal
205	Cooch Behar	Cooch Behar	West Bengal
206	Jalpaiguri	Jalpaiguri	West Bengal

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