

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION No. 2571
TO BE ANSWERED ON WEDNESDAY, JANUARY 03, 2018**

SEISMOLOGICAL OBSERVATORIES

2571. SHRI V. ELUMALAI:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) the details of seismological observatories in the country, State-wise;**
- (b) whether 31 new seismological observatories are expected to come up in the country by the end of the year to boost information gathering capabilities;**
- (c) if so, the details thereof;**
- (d) whether the advance technological observatories are likely to give precise readings in terms of location and timing of earthquakes; and**
- (e) if so, the details thereof and the action taken by the Government to set up more such observatories?**

ANSWER

**MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)**

- (a) National Centre of Seismology (NCS) maintains a National Seismological Network (NSN) of 84 seismological observatories. Its state-wise location is in Annexure-I.**
- (b-c) Yes Madam. A project of setting up a total of 32 new seismological observatories is under implementation process and likely to be completed by end of FY 2017-18. A list of these observatories is in Annexure-II.**
- (d-e) Yes Madam. The estimate of epicenter parameters and magnitude of earthquake events shall be more precise with increase in number of seismological records by establishing more observatories.**

After installation of 32 new observatories, the strength of National seismological Network (NSN) shall be assessed and accordingly plan for setting of new observatories in gap area shall be planned.

**LIST OF SEISMOLOGICAL OBSERVATORIES OPERATED BY NATIONAL
CENTRE OF SEISMOLOGY (NCS)**

S.No.	Name of Station	State to which belongs
1	Allahabad	Uttar Pradesh
2	Asaura	Uttar Pradesh
3	Bisrakh	Uttar Pradesh
4	Bahraich	Uttar Pradesh
5	Bahraich	Uttar Pradesh
6	Jhansi	Uttar Pradesh
7	Meerut	Uttar Pradesh
8	Varanasi	Uttar Pradesh
9	Agra	Uttar Pradesh
10	Thakurdwara	Uttar Pradesh
11	Unchagaon	Uttar Pradesh
12	Lohaghat	Uttarakhand
13	Pithoragarh	Uttarakhand
14	Dehradun	Uttarakhand
15	Joshimath	Uttarakhand
16	Akola	Maharashtra
17	karad	Maharashtra
18	latur	Maharashtra
19	Mumbai	Maharashtra
20	Pune	Maharashtra
21	Nagpur	Maharashtra
22	Ajmer	Rajasthan
23	Jaisalmer	Rajasthan
24	Khetri	Rajasthan
25	Bhavnagar	Gujarat
26	Bhuj	Gujarat
27	Ayanagar	Delhi
28	Lodi Road, New Delhi	Delhi
29	Ridge, Delhi	Delhi
30	Bhubaneswar	Odisha
31	Rayagada	Odisha
32	Jharsuguda	Odisha
33	Bhakra	Himachal Pradesh
34	Kalpa	Himachal Pradesh
35	Shimla	Himachal Pradesh
36	Dharamsala	Himachal Pradesh
37	Bilaspur	Chhattisgarh
38	Rohtak	Haryana
39	Sohna	Haryana
40	Kundal	Haryana

41	Kurukshetra	Haryana
42	Bahadurgarh	Haryana
43	Kodaikanal	Tamil Nadu
44	Chennai	Tamil Nadu
45	Salem	Tamil Nadu
46	Jorhat	Assam
47	Guwahati	Assam
48	Dibrugarh	Assam
49	Tezpur	Assam
50	Silchar	Assam
51	Lekhapani	Assam
52	Dhubri	Assam
53	Kolkata	West Bengal
54	Siliguri	West Bengal
55	Jammu	Jammu & Kashmir
56	Srinagar	Jammu & Kashmir
57	Mangalore	Karnataka
58	Port Blair	Andaman & Nicobar
59	Diglipur	Andaman & Nicobar
60	Campbell Bay	Andaman & Nicobar
61	Bokaro Thermal	Jharkhand
62	Sahibganj	Jharkhand
63	Thein Dam	Punjab
64	Vijayawada	Andhra Pradesh
55	Visakhapatnam	Andhra Pradesh
66	Valmiki Nagar	Bihar
67	Goa	Goa
68	Hyderabad	Telangana
69	Agartala	Tripura
70	Belonia	Tripura
71	Gangtok	Sikkim
72	Kohima	Nagaland
73	Imphal	Manipur
74	Aizawal	Mizoram
75	Saiha	Mizoram
76	Tawang	Arunachal Pradesh
77	Pasighat	Arunachal Pradesh
78	Itanagar	Arunachal Pradesh
79	Ziro	Arunachal Pradesh
80	Minicoy	Lakshadweep
81	Thiruvananthapuram	Kerala
82	Shillong	Meghalaya
83	Bhopal	Madhya Pradesh
84	Shillong	Meghalaya

PROPOSED SITES (NEW) OF SEISMOLOGICAL OBSERVATORIES

S.No	Name of the Station	State
1	Talwara	Punjab
2	Sriganganagar	Rajasthan
3	Udaipur	Rajasthan
4	Leh	J&K
5	Hanley	J&K
6	Sunder Nagar	Himanchal Pradesh
7	Tisa	Himanchal Pradesh
8	Chandigarh	U.T
9	Ganaur	Haryana
10	Lodi Road	New Delhi
11	NPL	Delhi
12	Jhajjar	Haryana
13	Palwal	Haryana
14	Jamia University	Delhi
15	Narela	Delhi
16	Najafgarh	Delhi
17	Manesar	Haryana
18	Uttarkashi	Uttrakhand
19	Lucknow	Uttar Pradesh
20	FarukhabadSadar	Uttar Pradesh
21	Gorakhpur	Uttar Pradesh
22	Banda	Uttar Pradesh
23	Basti	Uttar Pradesh
24	Narmdanagar	Madhya Pradesh
25	Guna	Madhya Pradesh
26	Gaya	Bihar
27	Jamui	Bihar
28	Sitamarhi	Bihar
29	Jogbani	Bihar
30	Coochbehar	West Bengal
31	Kanker	Chattisgarh
32	Khunti	Jharkhand