

**GOVERNMENT OF INDIA  
MINISTRY OF HUMAN RESOURCE DEVELOPMENT  
DEPARTMENT OF HIGHER EDUCATION**

**LOK SABHA  
UNSTARRED QUESTION NO.3835  
TO BE ANSWERED ON 19.03.2018**

**Seats in IITs**

3835. SHRI Y.V. SUBBA REDDY:

Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

- (a) whether the Government is aware that the number of vacant seats in Indian Institutes of Technology (IITs) are going up year-after-year and stood as highest last year;
- (b) if so, the reasons for such vacancies in spite of several rounds of admission notification;
- (c) the vacancies of seats in each of the IITs during the last five years, year-wise and IIT-wise;
- (d) the details of courses those are not attracting students and the reasons for continuing with such courses by IITs; and
- (e) the corrective steps taken by the Government in this regard?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT  
(DR. SATYA PAL SINGH)**

(a) to (e): A total of 274 seats remained vacant in the IITs during the last five years, which include 15 in 2013, 3 in the year 2014, 39 in 2015, 96 in 2016 and 121 in 2017. The IIT-wise details are at Annexure-I. The details of course-wise vacancy found in JEE(Advanced) 2017 is at Annexure-II. In order to minimise the vacancies in IITs, NITs, and other Centrally Funded Technical Institutions (CFTIs), this Ministry constituted a Committee to recommend suitable measures. The Committee recommended that the CFTIs may review seats in each discipline based on employment opportunities, national requirements, available infrastructure and scope for future. Some disciplines may be considered for closure or kept in abeyance for a few years, if needed. New Courses and Disciplines may be introduced only after carrying out market opportunity analysis. The Committee also recommended streamlining the counselling process by having multiple rounds as well as other pro-active measures such as helpline to facilitate students in choice filling etc.

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**ANNEXURE-I**

| Sl No. | Name of the Institute | Vacant seats in IITs based on JEE(Advanced) |          |           |           |            |
|--------|-----------------------|---|----------|-----------|-----------|------------|
|        |                       | 2013  | 2014     | 2015      | 2016      | 2017       |
| 1.     | IIT Kharagpur         | <b>5</b>                                    | <b>2</b> | <b>3</b>  | <b>7</b>  | <b>9</b>   |
| 2.     | IIT Bombay            | 0   | 0        | 0         | <b>-2</b> | <b>1</b>   |
| 3.     | IIT Delhi             | 0   | 0        | 0         | <b>-2</b> | <b>2</b>   |
| 4.     | IIT Kanpur            | 0   | 0        | 0         | 0         | 0          |
| 5.     | IIT Madras            | 0   | 0        | <b>3</b>  | <b>3</b>  | <b>1</b>   |
| 6.     | IIT Roorkee           | <b>6</b>                                    | <b>1</b> | <b>1</b>  | <b>3</b>  | <b>4</b>   |
| 7.     | IIT Guwahati          | 0   | 0        | 0         | <b>1</b>  | <b>2</b>   |
| 8.     | IIT-BHU, Varanasi     | <b>4</b>                                    | 0        | <b>28</b> | <b>38</b> | <b>32</b>  |
| 9.     | IIT Bhubaneswar       | 0   | 0        | 0         | <b>4</b>  | <b>5</b>   |
| 10.    | IIT Hyderabad         | 0   | 0        | 0         | 0         | 0          |
| 11.    | IIT Gandhinagar       | 0   | 0        | <b>1</b>  | <b>1</b>  | <b>3</b>   |
| 12.    | IIT Patna             | 0   | 0        | 0         | <b>1</b>  | <b>4</b>   |
| 13.    | IIT Indore            | 0   | 0        | <b>1</b>  | <b>2</b>  | <b>4</b>   |
| 14.    | IIT Ropar             | 0   | 0        | 0         | <b>1</b>  | <b>1</b>   |
| 15.    | IIT Jodhpur           | 0   | 0        | 0         | <b>1</b>  | 0          |
| 16.    | IIT Mandi             | 0   | 0        | 0         | 0         | <b>1</b>   |
| 17.    | IIT (ISM) Dhanbad     | Converted into an IIT in the year 2016      |          |           | <b>23</b> | <b>23</b>  |
| 18.    | IIT Palakkad          | Started in 2015-16                          |          | <b>2</b>  | <b>5</b>  | <b>1</b>   |
| 19.    | IIT Tirupati          |   |          | 0         | <b>2</b>  | <b>6</b>   |
| 20.    | IIT Jammu             | Started in 2016-17                          |          |           | <b>5</b>  | <b>13</b>  |
| 21.    | IIT Goa               |   |          |           | 0         | <b>1</b>   |
| 22.    | IIT Bhilai            |   |          |           | <b>1</b>  | <b>5</b>   |
| 23.    | IIT Dharwad           |   |          |           | <b>2</b>  | <b>3</b>   |
|        | <b>Total</b>          | <b>15</b>                                   | <b>3</b> | <b>39</b> | <b>96</b> | <b>121</b> |

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**ANNEXURE-II**

**Course-wise details of vacancy as per JEE(Advanced), 2017**

| <b>S.No</b> | <b>Institute Name</b> | <b>Branch Name</b>   | <b>Vacant Seats</b> |
|-------------|-----------------------|--|---------------------|
| 1           | IIT Bhilai            | Computer Science and Engineering (4 Years, Bachelor of Technology)   | 1                   |
| 2           | IIT Bhilai            | Mechanical Engineering (4 Years, Bachelor of Technology)   | 4                   |
| 3           | IIT Dharwad           | Electrical Engineering (4 Years, Bachelor of Technology)   | 1                   |
| 4           | IIT Dharwad           | Mechanical Engineering (4 Years, Bachelor of Technology)   | 2                   |
| 5           | IIT Goa               | Mechanical Engineering (4 Years, Bachelor of Technology)   | 1                   |
| 6           | IIT Jammu             | Civil Engineering (4 Years, Bachelor of Technology)  | 8                   |
| 7           | IIT Jammu             | Computer Science and Engineering (4 Years, Bachelor of Technology)   | 1                   |
| 8           | IIT Jammu             | Electrical Engineering (4 Years, Bachelor of Technology)   | 3                   |
| 9           | IIT Jammu             | Mechanical Engineering (4 Years, Bachelor of Technology)   | 1                   |
| 10          | IIT (BHU) Varanasi    | Ceramic Engineering (4 Years, Bachelor of Technology)  | 4                   |
| 11          | IIT (BHU) Varanasi    | Mining Engineering (4 Years, Bachelor of Technology)   | 2                   |
| 12          | IIT (BHU) Varanasi    | Pharmaceutical Engineering & Technology (4 Years, Bachelor of Technology)  | 13                  |
| 13          | IIT (BHU) Varanasi    | Biochemical Engineering with M.Tech. in Biochemical Engineering and Biotechnology (5 Years, Bachelor and Master of Technology (Dual Degree)) | 3                   |
| 14          | IIT (BHU) Varanasi    | Bioengineering with M.Tech in Biomedical Technology (5 Years, Bachelor and Master of Technology (Dual Degree))                               | 3                   |
| 15          | IIT (BHU) Varanasi    | Ceramic Engineering (5 Years, Bachelor and Master of Technology (Dual Degree))   | 4                   |
| 16          | IIT (BHU) Varanasi    | Mining Engineering (5 Years, Bachelor and Master of Technology (Dual Degree))  | 1                   |
| 17          | IIT (BHU) Varanasi    | Pharmaceutical Engineering & Technology (5 Years, Bachelor and Master of Technology (Dual Degree))   | 2                   |
| 18          | IIT (ISM) Dhanbad     | Chemical Engineering (4 Years, Bachelor of Technology)   | 1                   |
| 19          | IIT (ISM) Dhanbad     | Civil Engineering (4 Years, Bachelor of Technology)  | 3                   |
| 20          | IIT (ISM) Dhanbad     | Engineering Physics (4 Years, Bachelor of Technology)  | 1                   |
| 21          | IIT (ISM) Dhanbad     | Environmental Engineering (4 Years, Bachelor of Technology)  | 4                   |

|    |                   |   |   |
|----|-------------------|---|---|
| 22 | IIT (ISM) Dhanbad | Mineral Engineering (4 Years, Bachelor of Technology)   | 6 |
| 23 | IIT (ISM) Dhanbad | Mining Engineering (4 Years, Bachelor of Technology)  | 1 |
| 24 | IIT (ISM) Dhanbad | Mining Machinery Engineering (4 Years, Bachelor of Technology)  | 1 |
| 25 | IIT (ISM) Dhanbad | Petroleum Engineering (4 Years, Bachelor of Technology)   | 1 |
| 26 | IIT (ISM) Dhanbad | Applied Geology (5 Years, Integrated Master of Technology)  | 1 |
| 27 | IIT (ISM) Dhanbad | Applied Geophysics (5 Years, Integrated Master of Technology)   | 4 |
| 28 | IIT Bhubaneswar   | Civil Engineering (4 Years, Bachelor of Technology)   | 1 |
| 29 | IIT Bhubaneswar   | Electronics and Communication Engineering (4 Years, Bachelor of Technology)   | 1 |
| 30 | IIT Bhubaneswar   | Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)   | 1 |
| 31 | IIT Bhubaneswar   | Metallurgical and Materials Engineering and M.Tech. in Materials Science and Engineering (5 Years, Bachelor and Master of Technology (Dual Degree)) | 2 |
| 32 | IIT Bombay        | Chemistry (4 Years, Bachelor of Science)  | 1 |
| 33 | IIT Delhi         | Textile Technology (4 Years, Bachelor of Technology)  | 1 |
| 34 | IIT Delhi         | Biochemical Engineering and Biotechnology (5 Years, Bachelor and Master of Technology (Dual Degree))  | 1 |
| 35 | IIT Gandhinagar   | Materials Science and Engineering (4 Years, Bachelor of Technology)   | 3 |
| 36 | IIT Guwahati      | Bio Technology (4 Years, Bachelor of Technology)  | 2 |
| 37 | IIT Indore        | Civil Engineering (4 Years, Bachelor of Technology)   | 1 |
| 38 | IIT Indore        | Mechanical Engineering (4 Years, Bachelor of Technology)  | 1 |
| 39 | IIT Indore        | Metallurgical Engineering and Materials Science (4 Years, Bachelor of Technology)   | 2 |
| 40 | IIT Kharagpur     | Architecture (5 Years, Bachelor of Architecture)  | 1 |
| 41 | IIT Kharagpur     | Agricultural and Food Engineering with M.Tech. in any of the listed specializations (5 Years, Bachelor and Master of Technology (Dual Degree))      | 1 |
| 42 | IIT Kharagpur     | Mining Engineering (5 Years, Bachelor and Master of Technology (Dual Degree))   | 1 |
| 43 | IIT Kharagpur     | Chemistry (5 Years, Integrated Master of Science)   | 3 |
| 44 | IIT Kharagpur     | Physics (5 Years, Integrated Master of Science)   | 3 |
| 45 | IIT Madras        | Biological Sciences (5 Years, Bachelor of Science and Master of Science (Dual Degree))  | 1 |
| 46 | IIT Mandi         | Electrical Engineering (4 Years, Bachelor of Technology)  | 1 |
| 47 | IIT Palakkad      | Electrical Engineering (4 Years, Bachelor of Technology)  | 1 |

|    |              |  |     |
|----|--------------|--|-----|
| 48 | IIT Patna    | Chemical Engineering (4 Years, Bachelor of Technology)   | 3   |
| 49 | IIT Patna    | Civil Engineering (4 Years, Bachelor of Technology)      | 1   |
| 50 | IIT Roorkee  | Bio Technology (4 Years, Bachelor of Technology)         | 1   |
| 51 | IIT Roorkee  | Architecture (5 Years, Bachelor of Architecture)         | 1   |
| 52 | IIT Roorkee  | Chemistry (5 Years, Integrated Master of Science)        | 1   |
| 53 | IIT Roorkee  | Physics (5 Years, Integrated Master of Science)          | 1   |
| 54 | IIT Ropar    | Chemical Engineering (4 Years, Bachelor of Technology)   | 1   |
| 55 | IIT Tirupati | Civil Engineering (4 Years, Bachelor of Technology)      | 4   |
| 56 | IIT Tirupati | Mechanical Engineering (4 Years, Bachelor of Technology) | 2   |
|    |              | Total Seats  | 121 |

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