

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

**LOK SABHA  
UNSTARRED QUESTION NO. 2223  
TO BE ANSWERED ON 24.12.2018**

**Technical Education**

†2223. **SHRI RAJU SHETTY:**

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

- (a) whether the Government is aware that there is a huge shortage of teachers for technical education in the country including Maharashtra;
- (b) if so, the details thereof;
- (c) whether the Government has received requests from several State Governments to meet this shortage during the last two years and the current year;
- (d) if so, the details thereof Statewise; and
- (e) the steps taken/proposed to be taken by the Government to meet the shortage of teachers in technical education across the country especially in Uttar Pradesh?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT**

**(DR. SATYA PAL SINGH)**

**(a) & (b):** There are some vacancies in the faculty of the technical education, but the same is made good by research scholars, contract, adjunct and visiting faculty. The state-wise details of faculty position in AICTE approved institutions for the last four years including Maharashtra is enclosed as per Annexure.

**(c) & (d):** No such requests were received by this Ministry to meet the shortage in faculty of technical education from State Governments.

**(e):** The steps taken by the Government to meet the shortage of teachers in technical education across the country including Uttar Pradesh are:

- i. The All India Council for Technical Education is implementing Trainee Teacher Scheme (TTS) with an aim to attract bright undergraduate and postgraduate students to teaching profession by providing scholarships for M.Tech/Ph.D. fellowships and assured job for advancing their professional growth.
- ii. Based on the report of Kaw Committee and requests received from stakeholders, 'Student To Faculty Ratio' (SFR) has been revised from 1:15 to 1:20 in APH 2018-19 for Engineering and Technology (UG Programmes). Revision of SFR Norms, to some extent, would address the faculty shortage in AICTE approved Institutions.
- iii. SWAYAM (Study Webs of Active Learning for Young Aspiring Minds) is one-stop web location for interactive e-contents for all courses from School to University Level (Post Graduate Students) covering all disciplines; high quality learning experience using multimedia on anytime & anywhere.

Moreover, to improve the quality of technical education the Technical Education Quality Improvement Programme (TEQIP) was commenced in 2003, as presently TEQIP-III is ongoing. Interventions of project such as twinning/mentoring, student learning assessment, recruitment of recruitment of faculty, direct participation of affiliating technical universities are main features of TEQIP. Presently 1225 contract faculty have been recruited in 53 participating engineering colleges.

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**ANNEXURE AS REFERRED TO IN PART (a) & (b) OF LOK SABHA UNSTARRED QUESTION NO. 1  
REGARDING TECHNICAL EDUCATION**

State	2015-2016				2016-2017			
	Available Faculty	Required Faculty	Shortfall	Shortfall %	Available Faculty	Required Faculty	Shortfall	Shortfall %
Andaman and Nicobar	55	46	0	0.00	59	66	7	10.61
Andhra Pradesh	74744	81099	6355	7.84	74250	78133	3883	4.97
Arunachal Pradesh	85	48	0	0.00	133	109	0	0.00
Assam	1881	1691	0	0.00	1887	1689	0	0.00
Bihar	3064	4015	951	23.69	5215	4758	0	0.00
Chandigarh	632	679	47	6.92	646	527	0	0.00
Chhattisgarh	8038	8750	712	8.14	8102	9031	929	10.29
Dadra and Nagar Haveli	54	88	34	38.64	65	88	23	26.14
Daman and Diu	39	65	26	40.00	43	65	22	33.85
Delhi	4235	5065	830	16.39	4231	4788	557	11.63
Goa	831	873	42	4.81	865	877	12	1.37
Gujarat	27113	35872	8759	24.42	27820	35021	7201	20.56
Haryana	29262	34720	5458	15.72	26527	30907	4380	14.17
Himachal Pradesh	3889	4885	996	20.39	3683	4000	317	7.93
Jammu and Kashmir	1839	2020	181	8.96	1932	1946	14	0.72
Jharkhand	2641	3364	723	21.49	3047	3488	441	12.64
Karnataka	44868	51122	6254	12.23	45981	50349	4368	8.68
Kerala	21072	23361	2289	9.80	23203	23483	280	1.19
Madhya Pradesh	36194	41434	5240	12.65	36165	40720	4555	11.19
Maharashtra	79275	92702	13427	14.48	78425	88018	9593	10.90
Manipur	47	33	0	0.00	73	68	0	0.00
Meghalaya	146	156	10	6.41	147	151	4	2.65
Mizoram	53	42	0	0.00	69	60	0	0.00
Nagaland	66	63	0	0.00	70	90	20	22.22
Odisha	20670	22096	1426	6.45	20678	21829	1151	5.27
Puducherry	2659	3125	466	14.91	2634	3024	390	12.90
Punjab	25074	27218	2144	7.88	21267	26000	4733	18.20
Rajasthan	24664	30361	5697	18.76	22304	27790	5486	19.74
Sikkim	304	317	13	4.10	242	317	75	23.66
Tamil Nadu	119519	123803	4284	3.46	119478	121299	1821	1.50
Telangana	60300	78859	18559	23.53	51538	71315	19777	27.73
Tripura	244	348	104	29.89	268	386	118	30.57
Uttar Pradesh	65094	76560	11466	14.98	64950	76105	11155	14.66
Uttarakhand	6619	7458	839	11.25	6558	7532	974	12.93
West Bengal	14397	16761	2364	14.10	15503	17100	1597	9.34
<b>Total</b>	<b>593313</b>	<b>677972</b>	<b>84923</b>	<b>12.49</b>	<b>580779</b>	<b>650006</b>	<b>70039</b>	<b>10.65</b>