GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
DEFENCE RESEARCH & DEVELOPMENT ORGANISATION
RAJYA SABHA
UNSTARRED QUESTION NO. 51
TO BE ANSWERED ON 18th JULY, 2022

SPENDING ON R&D IN DEFENCE SECTOR

51. SHRI MALLIKARJUN KHARGE:

Will the Minister of Defence be pleased to state:

(a) the total spending on Research and Development (R&D) in the defence sector in last five years, as a percentage of GDP, year-wise;

(b) the total spending on R&D as a percentage of total defence spending in last five years, year-wise;

(c) the R&D expenditure as percentage of GDP of other countries like China/UK/USA;

(d) the total vacant posts for scientists (including for SC/ST/OBC/EWS background) in DRDO; and

(e) whether there is any plan to fill up these posts and if so, by when?

A N S W E R

MINISTER OF STATE (SHRI AJAY BHATT)
IN THE MINISTRY OF DEFENCE

(a): The total spending on R&D in the Defence sector in last five years, as a percentage of GDP, year-wise is as under:

(Rs. in Crores)

Year	**TOTAL GDP**	**DD R&D Exp**	**DD R&D Exp as % of TOTAL GDP**
2017-18	17090042.00	15203.04	0.088
2018-19 (2nd RE)	18886957.00	17049.01	0.090
2019-20 (1st RE)	20351013.00	17375.13	0.085
2020-21 (PE)	19745670.00	15706.98	0.079
2021-22 (1st AE)	23214703.00	18290.98	0.078
2022-23	-	21330.20	-

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(b): The comparison of Defence allocation and D DR&D allocations at BE stage w.e.f FY 2017-18 is as under:

Year	Defence Expenditure	Budget allocated to R&D at BE stage	%age of Defence Expenditure
2017-18 (BE)	272560.00	15203.04	5.58
2018-19 (BE)	295511.41	17861.19	6.04
2019-20 (BE)	318931.22	19021.02	5.96
2020-21 (BE)	337553.00	19327.35	5.73
2021-22 (BE)	347088.28	20457.44	5.89
2022-23 (BE)	385370.15	21330.20	5.53

(Rs. in Crores)

(c): The R&D expenditure profile as available in public domain is mentioned below:

	Budget for FY 2022 (in Billion)	
Countries	**Overall**	**R&D**
USA	US $ 756.6	US $ 118.9
China	US $ 230.0	R&D budget is not known exactly

(d)&(e): As per available records, there are 799 vacant posts of Scientists (including SC/ST/OBC/EWS background) in DRDO, out of which 579 vacancies have already been advertised in June, 2022 for filling through direct recruitment and the recruitment process for balance posts has also been initiated. These vacancies will be filled up in a phased manner.

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