

**GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
LOK SABHA  
UNSTARRED QUESTION No. 518  
TO BE ANSWERED ON 20.07.2022**

**KIRAN Scheme**

**518. SHRI SHIVAKUMAR C. UDASI:  
SHRI SUNIL KUMAR SINGH:  
SHRI DEVJI M. PATEL:  
SHRI RANJEETSINGH HINDURAO NAIK NIMBALKAR:  
SHRI SUNIL KUMAR SONI:  
MS. DIYA KUMARI:  
SHRI SUDHAKAR TUKARAM SHRANGARE:  
SHRI ARUN SAO:  
SHRI VIJAY BAGHEL:**

**Will the Minister of SCIENCE AND TECHNOLOGY विज्ञान और प्रौद्योगिकी मंत्री be pleased to state:**

- (a) the details of the list of projects and activities conducted under the Knowledge Involvement in Research Advancement for Nurturing (KIRAN) Scheme so far;**
- (b) the year-wise details of the amount spent on the KIRAN scheme since its inception in the year 2014 in the state of Karnataka, Rajasthan, Maharashtra, Chhattisgarh and Jharkhand and the total number of beneficiaries within the States so far;**
- (c) whether the Government proposes to implement any new activities or projects under the Kiran Scheme and if so, the details thereof; and**
- (d) the details of the list of schemes implemented or proposed by the Government to increase the participation of female students at the school level in STEM fields?**

**ANSWER**

**MINISTER OF STATE (INDEPENDENT CHARGE) OF THE  
MINISTRY OF SCIENCE & TECHNOLOGY & EARTH SCIENCES  
(DR. JITENDRA SINGH)**

विज्ञान और प्रौद्योगिकी तथा पृथ्वी विज्ञान मंत्रालय के राज्य मंत्री (स्वतंत्र प्रभार)  
(डॉ. जितेंद्र सिंह)

**(a) The Department of Science and Technology (DST) has initiated 'Knowledge Involvement Research Advancement through Nurturing (KIRAN)' Scheme in 2014-15 which is now renamed as 'Women in Science and Engineering-KIRAN (WISE-KIRAN)' to encourage women in the field of Science and Technology (S&T) through gender enabling programmes. One of the flagship programmes under WISE-KIRAN is 'Women Scientist Scheme' which provides opportunities to women scientists and technologists, especially those who had a break in career with its three major components namely, i) Women Scientists Scheme-A (WOS-A) for conducting research in Basic & Applied Sciences, ii) Women Scientists Scheme-B (WOS-B) for research that entail S&T interventions for societal benefit and iii) Women Scientists Scheme-C (WOS-C) to train them in the field of Intellectual Property Rights (IPR). Another programme,**

**‘Indo-US Fellowship for Women in STEMM’ (Science, Technology, Engineering, Mathematics & Medicine) provides opportunities to Indian Women Scientists, Engineers & Technologists to undertake international collaborative research in premier institutions in the USA for duration of 3-6 months. Further, institutional support is available through ‘Consolidation of University Research through Innovation and Excellence (CURIE)’ programme which aims to develop infrastructure and state-of the art research facilities in women institutions.**

**Under WISE-KIRAN Scheme, recently two new initiatives namely, Vigyan Jyoti and Gender Advancement for Transforming Institutions (GATI) have been started. Vigyan Jyoti programme aims to encourage meritorious girls to pursue career in underrepresented areas of STEM (Science Technology Engineering and Mathematics) while GATI programme aims to transform institutions for more gender sensitive approach and inclusiveness with ultimate goal to improve the gender equality in S&T domain.**

**(b) Since the inception of KIRAN scheme in the year 2014, the year-wise fund spent in the state of Karnataka, Rajasthan, Maharashtra, Chhattisgarh and Jharkhand along with total number of beneficiaries in these states are given below:**

States	Karnataka		Rajasthan		Maharashtra		Chhattisgarh		Jharkhand	
	Budget (in lakh)	No. of beneficiaries	Budget (in lakh)	No. of beneficiaries	Budget (in lakh)	No. of beneficiaries	Budget (in lakh)	No. of beneficiaries	Budget (in lakh)	No. of beneficiaries
2014	531.04	23	129.99	6	634.85	27	0	Nil	21.90	1
2015	236.20	9	82.56	4	228.21	10	17.44	1	22.43	1
2016	445.58	21	205.03	8	778.25	33	0	Nil	36.05	2
2017	698.84	31	223.56	9	1047.47	42	0	Nil	53.75	2
2018	828.03	32	179.18	7	1528.03	46	113.72	4	51.58	2
2019	529.32	21	129.94	5	981.43	33	84.63	3	126.86	5
2020	368.54	13	49.07	2	754.95	25	33.75	1	0.00	Nil
2021	28.44	1	471.46	4	165.66	6	55.38	1	0.00	Nil

**(c) Few new activities are in implementation under WISE-KIRAN scheme.**

**(d) The Department of Science and Technology (DST) is implementing ‘Vigyan Jyoti’ programme to increase participation of female students at the school level in STEM fields. The programme was started in the year 2019-20 to encourage meritorious girl students of Class 9-12 to pursue higher education and career in STEM particularly in the areas where women are underrepresented. Various activities such as Science Camps, special lectures/classes, tinkering activities, counselling of students-parents, career counselling, interaction with role models, etc. are conducted in the programme. Selected girls are also getting opportunity to visit nearby scientific institutions and industries. Since the inception, more than 32000 girls have been supported in 200 districts under VigyanJyoti.**

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