**LOK SABHA**
**UNSTARRED QUESTION NO. 1675**
**TO BE ANSWERED ON 2nd March, 2020**

**Promotion of Research and Innovation in Schools**

†1675**.** SHRI DEVJI M. PATEL:
　　　MS. PRATIMA BHOUMIK:
　　　SHRI SUDHAKAR TUKARAM SHRANGARE**:**

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

(a) the details of the Government's plans to promote research and innovation in schools to inculcate curiosity and technical mentality among the students in the country including Rajasthan, Tripura and Maharashtra;

(b) the number of students covered so far under this scheme, State-wise;

(c) the funds allocated for this purpose during 2020-21 along with the total amount spent so far under the said scheme during the last three years;

(d) whether Mini Science labs or mobile Science labs could be set up by MP and MLA funds under the Atal Innovation Mission in all the secondary schools, senior secondary schools and colleges in the country including Rajasthan, Tripura and Maharashtra;

(e) if so, the details thereof; and

(f) if not, the details of the Government's plan to set up Science labs in all the schools?

**ANSWER**
**MINISTER OF HUMAN RESOURCE DEVELOPMENT**
**(SHRI RAMESH POKHRIYAL 'NISHANK')**

(a) to (c):  The Integrated Scheme of Samagra Shiksha was launched in 2018-19, which subsumes the erstwhile Sarva Shiksha Abhiyan, Rashtriya Madhyamik Shiksha Abhiyan and Teacher Education. The Integrated Scheme  of Samagra Shiksha considers education as a continuum from pre-school to higher secondary level and supports all the States and Union Territories to provide quality and equitable education including **Rajasthan, Tripura and Maharashtra**. The Scheme provides inter-alia for innovative activities for Early Literacy Reading Skills and Reading habits, Energized Text Books, Herbal Garden, Youth & Eco Club, Science Exhibition, establishment of Science Parks, Blended Learning, Digital Classrooms, Rashtriya Avishkar Abhiyan(RAA) etc.

To focus on connecting school-based knowledge to life outside the school, making learning of Science and Mathematics a joyful and meaningful activity and to promote innovation and use of technology, **Rashtriya Avishkar Abhiyan (RAA)** was initiated as a convergent framework to nurture a spirit of inquiry, creativity, love for Science and Mathematics and effective use of technology amongst children at Upper Primary and Secondary level.

The expenditure incurred on different Innovative Activities in schools by the States and UTs under Samagra Shiksha in 2018-19 and 2019-20(upto January) is attached as **Annexure.**

(d) to (f): Under Atal Innovation Mission (AIM), Atal Tinkering Labs are established in schools across the country for students between grade $6^{th}$ to $12^{th}$ which are equipped with latest emerging technologies such as electronics, Internet of Things (IoT), 3D printing, Robotics, etc. Till date, 14916 schools have been selected for establishment of ATLs and 4670 schools have received the ATL grant-in-aid. For works under the MPLAD and MLALAD scheme respective departments have issued guidelines.

Under Samagra Shiksha, there is also a provision of setting up 1 integrated Science Laboratory for Secondary School and 4 science laboratories for Physics, Chemistry, Biology and Mathematics for Higher Secondary Schools.

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ANNEXURE REFERRED TO IN REPLY TO PART (a) TO (c) OF LOK SABHA UNSTARRED QUESTION NO. 1675 TO BE ANSWERED ON 02.03.2020 ASKED BY SHRI DEVJI M. PATEL, MS. PRATIMA BHOUMIK, SHRI SUDHAKAR TUKARAM SHRANGARE REGARDING PROMOTION OF RESEARCH AND INNOVATION IN SCHOOLS

**Expenditure incurred under Innovative Activities under Samagra Shiksha**

(Rs. in lakh)

| Sl. No | Particular | Elementary | | Secondary and Sr. Secondary | |
|---|---|---|---|---|---|
| | | 2018-19 | 2019-20 (upto January) | 2018-19 | 2019-20 (upto January) |
| | | Total Expenditure | Total Expenditure | Total Expenditure | Total Expenditure |
| 1 | Andaman And Nicobar Islands | 9 | 87.137 | 0 | 65.55 |
| 2 | Andhra Pradesh | 6804.48 | 1749.2 | 681.967 | 1448.1 |
| 3 | Arunachal Pradesh | 71 | 0 | 0 | 0 |
| 4 | Assam | 27.565 | 18.284 | 0 | 7.234 |
| 5 | Bihar | 248.512 | 133.303 | 1.196 | 293.548 |
| 6 | Chandigarh | 3.701 | 22.735 | 315.726 | 44.408 |
| 7 | Chhattisgarh | 3721.73 | 7576.64 | 53.425 | 671.4 |
| 8 | Dadra And Nagar Haveli | 0 | 25 | 0 | 13.08 |
| 9 | Daman And Diu | 5.62 | 10.327 | 0 | 7.801 |
| 10 | Delhi | 880.139 | 758.954 | 710.731 | 698.7 |
| 11 | Goa | 0 | 1.108 | 0 | 0.285 |
| 12 | Gujarat | 512.2 | 1346.77 | 0 | 0 |
| 13 | Haryana | 225.8 | 1224.05 | 63.94 | 951.04 |
| 14 | Himachal Pradesh | 15 | 698.15 | 3.98 | 0.7 |
| 15 | Jammu And Kashmir | 4774.64 | 0 | 470.33 | 197.91 |
| 16 | Jharkhand | 806.411 | 138.756 | 0 | 0.499 |
| 17 | Karnataka | 3743.47 | 887.8 | 0 | 0 |
| 18 | Kerala | 338.318 | 76.203 | 8.334 | 0.082 |
| 19 | Lakshadweep | 0 | 3.496 | 0 | 8.213 |
| 20 | Madhya Pradesh | 2503.391 | 2153.49 | 150.27 | 1038 |
| 21 | Maharashtra | 989.5 | 193.409 | 0 | 0 |
| 22 | Manipur | 120.16 | 0 | 260.37 | 52.71 |
| 23 | Meghalaya | 0 | 0 | 0 | 2.85 |
| 24 | Mizoram | 48.41 | 0 | 0 | 0 |
| 25 | Nagaland | 68.6 | 235.298 | 0 | 77.774 |
| 26 | Odisha | 137.54 | 4807.28 | 0 | 1367.55 |
| 27 | Puducherry | 66.671 | 10.741 | 9.51 | 6.843 |
| 28 | Punjab | 1143.66 | 527.75 | 3830 | 102.3 |
| 29 | Rajasthan | 157.3 | 20.3 | 367.81 | 359.567 |
| 30 | Sikkim | 22 | 38.5 | 432.5 | 55.71 |
| 31 | Tamil Nadu | 0 | 0 | 480.76 | 1734.689 |
| 32 | Telangana | 0 | 29.85 | 0 | 0 |
| 33 | Tripura | 170.96 | 419.72 | 0 | 189.996 |
| 34 | Uttar Pradesh | 1689.17 | 0.5 | 7.8 | 4 |
| 35 | Uttarakhand | 180.51 | 1166.22 | 14.55 | 202.55 |
| 36 | West Bengal | 0 | 0 | 12.7 | 0 |
| | **Grand Total** | **29485.458** | **24360.971** | **7875.899** | **9603.089** |

**Source: PMS**