

PARLIAMENT QUESTION: SCIENCE AND TECHNOLOGY FOR WOMEN SCHEME IN ANDHRA PRADESH

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The Science and Technology for Women (STW) programme under the Department of Science and Technology (DST), Govt. of India, supports applied research and development (R&D) projects aimed at addressing women-centric issues through the development, adaptation and dissemination of appropriate technologies for livelihood improvement, drudgery reduction and improvement in their quality of life. The programme also supports the establishment of Women Technology Parks (WTPs) to promote field-level demonstration and training centers to facilitate the appropriate utilization and transfer of these technologies to women, particularly in rural and resource-poor areas. During the last five years, total 43 projects have been sanctioned and implemented under the STW programme. The state and district-wise details of projects, particularly in Andhra Pradesh are placed at *Annexure-I*.

Through the establishment of Women Technology Parks (WTPs), efforts are made to provide training to women in rural and peri-urban areas on appropriate technology models demonstrated at these parks. This aims to support their skill development and capacity building through science and technology-based interventions, utilizing area-specific resources, with the objective of promoting local self-reliance and sustainable economic growth. The number of women beneficiaries covered under WTPs, state and district-wise, particularly in Andhra Pradesh are placed at *Annexure-II*.

The Department periodically monitors and reviews projects under the STW programme through progress reports, field visits and third-party evaluations (wherever feasible) to assess their impact on women's livelihoods and access to technology. A study report on Women Technology Parks (WTPs) highlighted measures for their sustainability and found that WTPs have strengthened linkages between rural women and S&T institutions, enhanced awareness of science and technology, improved coordination with local authorities, and created greater opportunities for income enhancement through appropriate technology interventions, thereby contributing to improved quality of life and sustainable development in the implementation areas. A detailed report including success stories of WTPs, key learnings from these centers, and recommendations by expert groups, is available at website of DST (<https://dst.gov.in/sites/default/files/Study%20of%20Women%20Technology%20Parks%20Report.pdf>).

This information was given by the Minister of State (Independent charge) for the Ministry of Science and Technology & Earth Sciences Dr. Jitendra Singh in a written reply in the Lok Sabha today.

NKR/FK/AK/NM

Annexure-I

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
TAMIL NADU					
1.	2020-21	Implementation of a Machine Learning Technique for Enhancing Women Safety at Public Women-Only Spaces	Dr. Mahalingam college of engineering and technology, Pollachi, Tamil Nadu	Coimbatore	14,37,344/-
2.		Eco- Friendly Cost-Effective Silk Dyeing Technology for Rural Women Upliftment of Sirumugai Weaving Cluster	Kumaraguru College of Technology, Coimbatore, Tamil Nadu		19,75,000/-
3.		Preventive Women's Safety App Using Location Based Alerting	AarupadaiVeedu Institute of Technology, Paiyanoor, Chennai Tamil Nadu	Chengalpattu	13,22,520/-

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
4.	2021-22	Non-Invasive Fetal Stress Monitoring Device	Sethu Institute of Technology, Pulloor, Virudhunagar, Tamil Nadu	Virudhunagar	21,47,899/-
5.		Depression in Women : A therapeutic approach to enhance the Mental Health and Quality of Life of Working Women in Unorganized Sector and Economically Weaker Sections	Bharathiar University, Coimbatore, Tamil Nadu	Coimbatore	34,03,693/-

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
6.	2024-25	A Versatile Portable Framework for Economic & Skill Empowerment of Women's Sustainable Livelihoods through Digital Literacy	National Institute of Technology, Tiruchirappalli, Tamil Nadu	Tiruchirappalli	36,59,316/-
7.		Ultrasound based low cost Belt for the detection of Osteoporosis in Postmenopausal women	Sethu Institute of Technology, Pulloor, Virudhunagar, Tamil Nadu	Virudhunagar	24,91,309/-
8.		Rural Tribal Women Technology Park in Chinna Kalrayan hills of Salem District	Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu	Coimbatore	71,28,787/-
9.		Upgradation of Knitted Cloth Waste Mat Loom for Rural Women Development	NIFT-TEA College of Knitwear Fashion, Mudalipalayam, Tiruppur, Tamil Nadu	Tiruppur	56,25,100/-
KARNATAKA					

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
10.	2020-21	Development of AI Machine for Sex Identification of Pupa and Cocoon Cutting to Foster Women Empowerment in Sericulture	Christ University, Bengaluru, Karnataka	Bengaluru	20,59,410/-
11.	2021-22	Cervical microbiome diversity, women health and empowerment at Udupi, Karnataka	Shri Dharmasthala Manjunatheshwara University (SDM) University, Dharwad, Karnataka	Dharwad	16,11,744/-
12.	2023-24	Nano Fortification of Flour for the Effective Management of Nutritional Deficiencies	M.S Ramaiah University of Applied Sciences, Bengaluru Karnataka	Bengaluru	13,92,381/-
13.	2024-25	Enhancing livelihood security of small-holder farm women of Karnataka through horticultural interventions using pluralistic extension approaches	ICAR-Indian Institute of Horticultural Research, Bengaluru Karnataka	Bengaluru	78,41,931/-
RAJASTHAN					
14.	2020-21	Providing Mental Health Support in Ob-Gyn Settings	Manipal University Jaipur, Jaipur, Rajasthan	Jaipur	11,85,000/-

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
15.	2021-22	Development and Skill-based training for preparation of superabsorbent hydrogel and its assessment in Jaipur, Rajasthan for crop production and economic empowerment of women	Central Institute of Plastics Engineering and Technology (CIPET)-Institute of Petrochemicals Technology, Jaipur, Rajasthan	Jaipur	59,25,800/-
ASSAM					
16.	2020-21	Modernization of Weaving Units for Empowerment of Economically Weaker Tribal Women of Lakhipur, Assam	National Institute of Technology, Silchar, Cachar, Assam	Cachar	21,81,440/-
17.	2021-22	Design and Development of Solar PhotoVoltaic Powered Cane Slicing machine	Indian Institute of Technology Guwahati, Assam	Guwahati	24,11,720/-
SIKKIM					
18.	2024-25	Establishment of Women Technology Park (WTP), Sikkim	Science & Technology Department, Government of Sikkim- Sikkim State Council of Science and Technology, Gangtok, Sikkim	Gangtok	64,40,320/-

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
HARYANA					
19.	2020-21	Development of Flaxseed-Rich Probiotic Dairy Foods to Address Menopause Symptoms	ICAR National Dairy Research Institute, Karnal, Haryana	Karnal	35,06,225/-
HIMACHAL PRADESH					
20.	2020-21	Livelihood Generation and Improvement for Women Entrepreneurs in Small Scale Fruits and Vegetable Farming and Post- Harvesting Management	Indian Institute of Technology, Mandi, Himachal Pradesh	Mandi	35,65,540/-
DELHI					
21.	2020-21	Development and evaluation of a women centric comprehensive weight management module	All India Institute of Medical Sciences (AIIMS), New Delhi	South Delhi district	35,84,988/-

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
22.	2024-25	Farm SunFridge for women farmers to store agricultural produce, products and milk chilling for enhancing livelihood security	ICAR Indian Agricultural Research Institute, Pusa, New Delhi	Central Delhi	41,24,944/-
23.		Zonal Implementation and Utilization of Women Empowerment Atlas of India Capacity Building with Science & Technology Perspective	Kirori Mal College, Delhi	North Delhi	58,60,499/-
ANDHRA PRADESH					
24.	2024-25	Enhancing Sustainable Livelihood in Rural Areas by Empowering Tribal Women through Bamboo Fusion using Emerging 3D Printing Technology for Crafts	Gayatri Vidya Parishad College of Engineering, Visakhapatnam, Andhra Pradesh	Visakhapatnam	46,00,920/-
JHARKHAND					

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
25.	2021-22	Women technology Park WTP for capacity building and entrepreneurship development	CSIR-National Metallurgical Laboratory, Jamshedpur, Jharkhand	East Singhbhum	52,60,654/-
GUJARAT					
26.	2021-22	Livelihood enhancement of selected rural women through value addition of medicinal plants along Gujarat	Gujarat Ecology Society, Vadodara, Gujarat	Vadodara	18,19,902/-
WEST BENGAL					
27.	2021-22	A new approach towards pain and infertility management in women suffering from endometriosis and adenomyosis	Institute of Reproductive Medicine, Kolkata, West Bengal	Kolkata	29,37,700/-

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
28.	2024-25	Development of an ergonomically optimized women-friendly tractor for Indian farmers	Central Mechanical Engineering Research Institute, Durgapur, West Bengal	Paschim Bardhaman	47,99,095/-
29.		Bioremediation and recycling of parboiled rice-mill waste-effluent for sustainable hydroponics and indigenous fisheries by women	West Bengal State University, Kolkata, West Bengal	Kolkata	67,32,296/-
NAGALAND					
30.	2021-22	Women Technology Park (WTP) for Rural Tribal Women of North-East through Technological Intervention	State College of Teacher Education, Kohima, Nagaland	Kohima	44,68,807/-
MADHYA PRADESH					

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
31.	2021-22	To establish Women Technology Park for demonstrative model of technologies for livelihood enhancement of tribal women in Narharpur block, Kanker (C.G)	Madhya Pradesh Vigyan Sabha Gyan Vigyan Parisar, Bhopal, Madhya Pradesh	Bhopal	42,70,980/-
32.		Multiplex Real-Time PCR based rapid detection of Sexually Transmitted Pathogens in tribal women of district Anuppur, Madhya Pradesh, for improving public health	Indira Gandhi National Tribal University Amarkantak, Madhya Pradesh	Anuppur	54,43,760/-
UTTARAKHAND					

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
33.	2021-22	Use of indigenous resources to provide livelihood opportunities to under privileged specially reverse migrant women of an aspirational district, Udham Singh Nagar of Uttarakhand	G. B. Pant University of Agri. & Tech, Pant Nagar, Udham Singh Nagar, Uttarakhand	Udham Singh Nagar	54,47,376/-
34.		Development of low cost polythene substituted biodegradable fabric from nettle and lyocell fiber for livelihood enhancement of women	Unnati Mahila Udhmita Avam Prashikshan Samiti, Dehradun, Uttrakhand	Udham Singh Nagar	22,38,800/-
35.		Drudgery reduction and Income enhancement of the Handloom weavers through technology intervention in Tripura	Indian Institute of Technology Roorkee, Uttrakhand	Haridwar	75,27,634/-
TELANGANA					
36.	2024-25	Empowering Women Artisans and textile traditions	Malla Reddy Engineering College, Secunderabad, Telangana	Hyderabad	49,60,288/-
UTTAR PRADESH					

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
37.	2024-25	Establishment of Women Technology Park for empowerment of rural/peri-urban women of Western Uttar Pradesh	Sardar Vallabh Bhai Patel University of Agriculture and Technology, Meerut, Uttar Pradesh	Meerut	62,02,638/-
38.		Organic Farming using AI, Robotics and IoT for Women Entrepreneurship in KOT Village, Dadri, Gautam Buddha Nagar, Uttar Pradesh	JSS University Noida, Noida, Uttar Pradesh	Gautam Buddha Nagar	37,50,803/-
PUNJAB					
39.	2024-25	Optimization of cultivation and processing techniques of Quinoa for women farmers and entrepreneurs of South Western region of Punjab	Punjab Agricultural University, Ludhiana, Punjab	Ludhiana	40,37,757/-
ARUNACHAL PRADESH					

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
40.	2024-25	WTP: Capacity Building of Rural Women on Processing and Value Addition of Millets/ Underutilized Crops through Technology Adoption and Awareness for Nutritional Security in Dadam Village of Tirap District, Arunachal Pradesh	Arunachal Pradesh State Council for Science & Technology (APSCS&T), Papum Pare, Arunachal Pradesh	Papum Pare	56,91,020/-
KERALA					
41.	2024-25	Menarche to Menopause: Health, Nutrition and Metabolic Profile	St. Teresa's College, Ernakulam, Kerala	Ernakulam	42,14,874/-
TRIPURA					
42.	2024-25	Empowering Tripura's rural women through sustainable & efficient lemongrass harvesting and low carbon oil extraction	Tripura University, West Tripura	West Tripura	74,50,512/-
JAMMU & KASHMIR					

S. No.	Financial Year	Project Title	Institute Details	District	Amount Sanctioned (in Rs.)
43.	2024-25	Scientific and Technological interventions for socio-economic empowerment of women folk of Dab village of District Ganderbal, Kashmir, UT of J&K	University Of Kashmir, Srinagar, Jammu & Kashmir	Srinagar	56,42,684/-

Annexure-II

S. No	State	District	Number of women beneficiaries of WTPs
	Andhra Pradesh	Visakhapatnam	300
	Tamil Nadu	Coimbatore	200
		Tiruchirappalli	268
	Rajasthan	Jaipur	300
	Sikkim	Gangtok	300
	Uttar Pradesh	Meerut	250
	Jharkhand	East Singhbhum	117
	Nagaland	Kohima	107
	Madhya Pradesh	Bhopal	200
	Uttarakhand	Udham Singh Nagar	346
	Arunachal Pradesh	Tirap	60

