

**Government of Jammu and Kashmir
Science and Technology Department
Civil Secretariat, J&K.**

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Badalta Bharat- Yug Parivartan

Jammu & Kashmir Science Technology and Innovation Council

**LIST OF ACTIVITIES CONDUCTED BY JKST&IC DURING THE
LAST FOUR YEARS VIZ FY 2020-21 TO 2023-24**

**1. Information, Education and Communication (IEC) Awareness
Science Popularization Scheme.**

Post Re-Organization- 2019 onwards	
2020-21	28 major science popularization events conducted.
2021-22	30 major science popularization events conducted.
2022-23	60 major science popularization events conducted in collaboration with Universities, Colleges, Schools, R&D Institutions, Government Department etc which include various major activities like Kashmir Expo, Jammu Expo etc
2023-24	30 major science popularization events conducted till October 2023 by JKST&IC

1A. Technology Transfer Intervention

Financial Year	No. of activities conducted under Technology Transfer Scheme
2020-21	02 activities were conducted by JKST&IC
2021-22	07 Technology Transfer activities were conducted by JKST&IC
2022-23	09 Technology Transfer activities were conducted by JKST&IC
2023-24	Various activities under process

1B. Support for Innovation and Patent Filing programme- Scheme conceptualized post re-organization

Aimed at promotion of innovation and encouragement of novel ideas/ submission of patents in science and Technology. The programme is being implemented under the supervision of various R&D Institutions, Universities which include National Institution of Technology, Srinagar , IUST Awantipora , GCET , jammu and GDCs etc.

Financial Year	No. of activities conducted under Technology Transfer Scheme
2021-22	11 Innovators were provided by seed money for development of prototype
2022-23	36 Innovators were provided by seed money for development of prototype
2023-24	30 Innovators have been recommended by Technical Committee for providing of seed money for development of prototype

2. Sponsored Research and Extension programme

The programme is aimed at promoting and sponsoring of Research projects, scientific studies, surveys in various R&D and Technical institutions of UT. Under the Programme, R&D projects based on local specific issues/problems of UT in collaboration with various R&D institutions, colleges, universities are being funded for implementation in the UT of J&K. The sponsorships of these projects/scientific studies are being provided by JKST&IC for a period of two years after being evaluated and recommended by Technical Committee.

Financial Year	No. of R&D Projects and Scientific Surveys sponsored under Sponsored Research & Extension Programme
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2020-21	12 R&D projects were sponsored by JKST&IC
2021-22	111 R&D projects were sponsored by JKST&IC for Ist Year of these projects
2022-23	111 R&D projects were sponsored by JKST&IC for 2nd Year of these projects
2023-24	230 R&D projects have been recommended by Technical Committee for a period of 02 years.

3. Science Talent Promotion

Aimed at encouragement and recognition of scientific talent and development of Human Resource by Awarding Scholarships, Fellowships, Science Awards etc. The scholarships are awarded to meritorious students at +10, +12 and PG levels respectively.

Financial Year	+10 level Scholarsh ip	+12 level Scholarsh ip	PG level Scholarsh ip	Total	Amount (in lakhs)
2020-21	50	50	26	126	9,96,400/-
2021-22	51	50	25	126	9,96,400/-
2022-23	53	52	24	129	13,98,000 /-
2023-24	Merit lists for award of scholarships have been prepared at +10, +12 and PG levels in respect of both the divisions of UT of J&K and shall be awarded by the end of December, 2023				

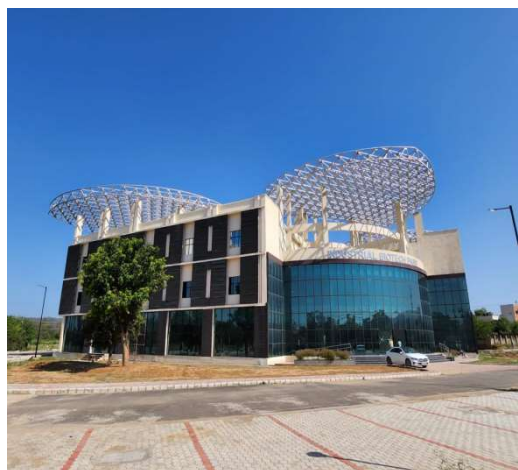
4. Establishment of Industrial Bio-Technology Parks at Srinagar and Jammu- Scheme conceptualized post re-organization, 2019

Aimed at strengthening research and infrastructure facilities by way of Establishment of centers of Excellence in the fields of Bio- Technology. Ministry of Science and Technology, Department of Bio-Technology, G.O.I has sanctioned two Industrial Bio-Technology Parks (IBTP) for the UT of J&K at an

estimated cost of Rs 8466 lacs on 70:30 sharing basis of funds between Department of Biotechnology, GOI and Department of S&T. One of the Parks situated at Gatti Kathua has been Inaugurated on 24th of May 2022 by Hon'ble union Minister for S&T Dr Jitendra Singh. The Biotechnology Park at Handwara, shall be inaugurated by the end 3rd quarter of FY 2022-23

S.N o.	Project details	Project cost	DBT share	GoI share	Funds released by DBT, GoI	Funds released by JKST&IC
01	Establishment of Bio-Technology Park at Kathua	4200.00	3000.00	1200.00	1800.00	1200.00
02,	Establishment of Bio-Technology Park at Baripora, Handwara	4200.00	3000.00	1266.00	100.00	1266.00
		8400.00	6000.00	2466.00	3500.00	2466.00

ITBP Ghatti, Kathua



Upcoming ITBP Handwara, Kupwara



5. **Project K-5000 (Establishment of Demonstration Farms of Aromatic and Medicinal Plants)**

The scheme is aimed at Establishment and Demonstration of Aromatic and Medicinal plant Farms at District Kupwara in the first instance. The Establishment of Demonstration Farms of Aroma Cash Crops Project K-5000 in District Kupwara was approved by the Govt. of J&K with the total project cost of **Rs 500.00** lakh Under the Project sanction was accorded for cultivating and setting up of Demonstration farms of Medicinal and Aromatic Plants on Community owned/ Kacharai land in the District Kupwara Around 1500 kanals of kahchari/state land has been brought under the cultivation of Aromatic and Medicinal plants by JKST&IC in collaboration with IIIM, jammu, against a target of 5000 kanals. The project has been extended upto 2023 and the Department has initiated the process for resumption of Phase II of the project. Under the Phase II of the project, the Department intends to develop two nurseries of lavender and rose for its propagation, distribution and dissemination among the farming community of the district. The project shall be replicated in four districts of UT, two each from Jammu and Kashmir regions.

6. **Establishment of Sub Regional Science Centre at Lal Mandi, Srinagar- Project conceptualized post re-organization, 2019**

The Programme is aimed at Establishment of Sub Regional Science Centres in UT of J&K. National council for science Museums (NCSM), Ministry of Culture, GOI has sanctioned sub Regional science centre Grade II and Innovation Hub for Ut of J&K, at an estimated cost of Rs 20.crs. Land Development process for the proposed SRSC has almost been completed and the construct work of Science Centre Building is under process. The Establishment of Science Centre has been approved at a total cost of Rs 9.80 Cr by NCSM, Department of Culture, GoI. The R&B Department, Kashmir has been entrusted the construction work of the said centre by NCSM, Department of Culture, GoI. The said centre would serve as Hub for

popularization/dissemination of scientific knowledge among the student community and general masses. The centre would have an educational and recreational appeal. The centre is expected to be completed during FY 2024-25.

S.No.	Financial Year	Establishment of Sub Regional Science Centre
01	2020-21	Contour mapping and soil testing of site completed
02	2021-22	Land development work of the site by way of earth filling and construction of boundary wall started by R&B
03	2022-23	Corpus fund amounting to Rs 300.00 lac paid to NCSM, GoI as per the MoU signed between Govt. of UT and NCSM for Establishment of Sub Regional Science Centre
04	2023-24	The construction work of Sub Regional Science Centre at a total cost of Rs 980.00 lac started by the Implementing Agency(R&B Division)

Jammu and Kashmir Energy Development Agency (JAKEDA)

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Achievements of JAKEDA since October, 2019

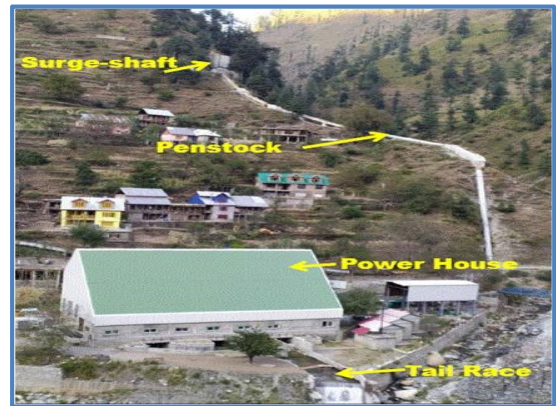
1. Hydro Power

Under Hydro Power (SHP) programme, JAKEDA has successfully commissioned five (05) Hydro Power Project sites of 21.75 MW aggregate capacity since May, 2019 and two (02) hydro power sites having aggregate capacity of 13.5 MW are expected to be commissioned by November, 2023.



5.0 MW BALTIKULAN SHP, Ganderbal

5.0MW ICHOO SHP, Anantnag



2.0 MW Rayil MHP, Ganderbal

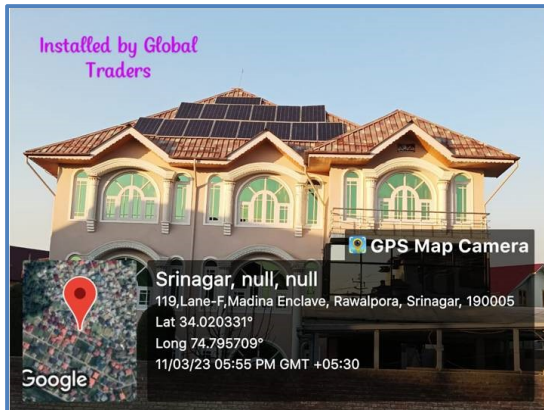
3.75MW Khari SHP, Ramban



6.0 MW Butakulan SHP, Ganderbal

2. Solar Power

Under **Grid Connected Rooftop Solar Power Plants (GCRTSPPs) for domestic sector**, since October, 2019 JAKEDA has installed an aggregate capacity of 15.00 MW Rooftop solar power plants covering around 2500 residential households.

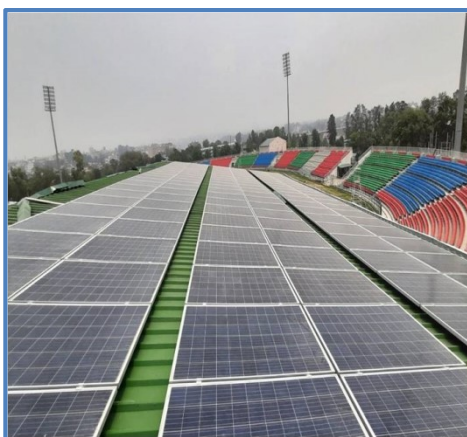


5.0 Kwp Rooftop at Srinagar



5.0 Kwp Rooftop at Jammu

- Under **Grid Connected Rooftop Solar Power Plants for Government Sector**, since October, 2019 JAKEDA has installed 7 MW Rooftop Solar Power Plants covering 245 government buildings. In addition to this, JAKEDA has installed 5 kW capacity hybrid SPPs with battery bank facility at 1418 (around 7 MW capacity) and 01 kW capacity offgrid SPPs at 809 in educational institutions of the UT of J&K.



100 KW MAM Stadium, Jammu



200 kW LD Hospital, Srinagar

3. Solar Street Lights

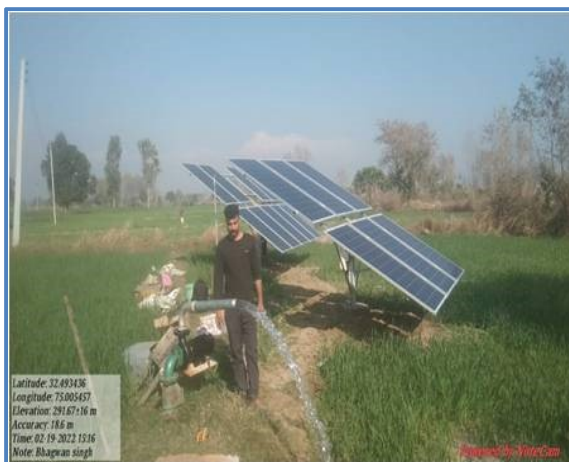
More than 60,000 solar street lighting systems have been installed across the UT of J&K by JAKEDA since October, 2019 for which the funds were provided by different district administrations under DDC/BDC/PRI/14th FC and other grants.



SSLs enroute to Sh. Amarnath Ji Cave

4. PM- KUSUM

Under PM-KUSUM scheme, JAKEDA has successfully installed 932 solar agriculture pumps and 8000 such pumps would be installed within a period of one year.



5. Jammu Solar City Mission

Presently, JAKEDA is implementing Jammu Solar City Mission project for the aggregate capacity of 200 MW for domestic consumers under which 50000 households, would be covered. Similarly, 20 MW aggregate capacity is under installation in the other parts of the UT of J&K which would cover approximately 5000 households. Besides this, the Government buildings are also being solarized and the projects for aggregate capacity of 10 MW are in pipeline.

