

**AGREEMENT**

**BETWEEN**

**BHABHA ATOMIC RESEARCH CENTRE, MUMBAI  
MAHARASHTRA**

**AND**

**PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR  
UNIVERSITY,  
SOLAPUR, MAHARASHTRA**

**FOR**

**Establishment of AKRUTI Kendra**

*(UNDER THE FRAMEWORK OF DAE-SOCIETAL INITIATIVE)*



V-111-1/2004

**AGREEMENT BETWEEN BHABHA ATOMIC RESEARCH CENTRE (BARC), MUMBAI AND ACADEMIC INSTITUTE, PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR FOR SETTING UP OF 'AKRUTI KENDRA' FOR PROMOTION OF BARC SPIN OFF TECHNOLOGIES AND TO START UP IN RURAL AND URBAN SECTOR (UNDER THE FRAMEWORK OF DAE SOCIETAL INITIATIVE)**

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An Agreement made between the President of India, acting through and represented by the Associated Director, Knowledge Management Group, Bhabha Atomic Research Centre, Trombay, Mumbai – 400 085, Maharashtra, Department of Atomic Energy (DAE), Government of India (hereinafter called 'BARC', which expression shall include its successors-in interest and assigns), of the first part

AND

**PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR** located at **DYANTEERTH NAGAR, KEGAON, SOLAPUR-PUNE NATIONAL HIGHWAY, SOLAPUR, MAHARASHTRA, INDIA, PIN-413225** (hereinafter called "**PAHSU, Solapur**" which expression shall include its successors & assigns) of the other part.

**PREAMBLE**

**Whereas** BARC is a premier multidisciplinary R&D organization under the Department of Atomic Energy, Government of India, engaged in research with the objective of generating knowledge and technique for nuclear power generation, advancement of science, use of radioisotopes in industry, health and agriculture, research in frontier areas of science and technology. Under the framework of DAE societal initiative, based on the development of Non-Power Applications (NPAs) and Spin-off technologies (Spinoffs) in medical, food preservation, waste management, other industrial and rural applications at BARC, a structured programme has been evolved for Advance Knowledge and Rural Technology Implementation (AKRUTI) for techno economic growth of rural areas, as one of the many schemes for Large-Scale Deployment of NPAs and Spinoffs. AKRUTI programme is operational in various places and surrounding villages in India. AKRUTIs operated through NGOs have demonstrated the usefulness of BARC technologies and scope for techno-preneurship in rural sector. AKRUTI Kendra would encourage the interested technoprenures to have the first-hand experience of BARC Technologies at the facility run by Academic Institutes.

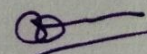
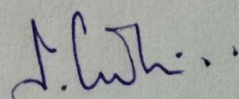
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Whereas the **Punyashlok Ahilyadevi Holkar Solapur University, Solapur**, formerly '**Solapur University**' established in 2004 by the Government of Maharashtra State *vide Gazette No. USG-1004/ (9412004)/UNI-1 dated 22 July 2004*. It is a young University with jurisdiction of only one district and has made substantial progress in academics and research within a span of 16 years. The university campus is sprawled across 512 acres surrounded by natural greenery. University has 11 schools offering postgraduate courses in 36 programs out of these 18 are the new programs starting from 2018. *The University has four major faculties, Faculty of Science & Technology, Faculty of Commerce & Management, Faculty of Humanities and Faculty of Interdisciplinary Studies*. The university has made a vibrant progress in research in the frontier areas of Physical, Chemical, Earth Science, Computational, Cosmetic Technology, Social Science, Fine Arts, Languages, Commerce and Management, Allied Health Sciences and Life Science. The university is poised for ambitious growth and is becoming a hub of various academic and research activities. The University has an innovation and incubation Centre.

From March 06, 2019, the name of the university was expanded with the legendary personality Ahilyadevi Holkar. Her work related to inclusive social elements and governance is also practiced in the University. A Library building stacks 30,000+ books, 114 National Journals, 31 International Journals, ICT and internet facilities provide access to J-Gate and Delnet that provides 30,000+ journals. Currently, there are about 15 Ph.D, 3 M.Phil, 15 M.Sc., 01 M.C.A., 16 M.A., 01 M.Com., 01 M.Tech., 01 MBA, 01 Health Science, 02 P.G. Diploma and 57 certificate courses in the University. A total of 633 research papers are published in per refereed journals. The impact factor of their publication is of the order of 0 to 5.54 and h-index range from 0 to 22. The spin off benefit of research work is capitalized in the form of 11 patents registered at National and International agencies. University nurtures scientific temperament among the general public by conducting various thematic exhibitions. The University has a dexterous policy for research promotions in affiliated colleges. The University has 109 affiliated colleges. The University has been granted funds by Rajiv Gandhi Science & Technology (RGST) Commission to promote Science and Technology projects for deployment in the rural area for societal applications.

**PAHSU, SOLAPUR**, expressed their desire to set up AKRUTI Kendra based on BARC technologies for rural sector. **PAHSU, SOLAPUR** who showed willingness to demonstrate, deploy and adapt these technologies contained in AKRUTI Kendra to





create sustainable and income generating activities villages. BARC and **PAHSU, SOLAPUR**, agree to take **Advanced Knowledge and Rural Technology Implementation (AKRUTI)** initiative in the rural and urban sector by deployment of technologies through AKRUTI Kendra.

**Whereas PAHSU, SOLAPUR**, is desirous to set up AKRUTI Kendra for deployment of technologies in Rural and urban sector in India.

**Whereas PAHSU, SOLAPUR**, has requested BARC and BARC has agreed to set up AKRUTI Kendra for promotion and deployment of BARC spin off technologies in interim area and exclusively in Rural sector of India.

**Now, Therefore**, it is hereby agreed by and between the parties that BARC shall permit **PAHSU, SOLAPUR**, to establish the AKRUTI Kendra and grant **PAHSU, SOLAPUR**, a license to utilise the technologies contained in AKRUTI Kendra for the deployment exclusively in Rural sector of India on terms and conditions hereinafter contained.

1. This Agreement shall supersede all prior correspondence, documents or Agreements, either **PAHSU, SOLAPUR** or verbal between BARC and **PAHSU, SOLAPUR**, in respect of the Technologies listed in Annexure-A hereto.

## 2. **SCOPE OF AGREEMENT**

This Agreement covers the modalities, terms and conditions of demonstration and deployment of technologies contained in AKRUTI Kendra at no cost to BARC on approval of BARC.

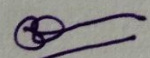
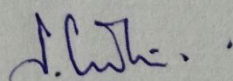
## 3. **GRANT OF LICENCE**

By this Agreement BARC grants a non-exclusive revocable license to **PAHSU, SOLAPUR**, to demonstrate the BARC developed technologies for 3 years from the date this Agreement becomes effective as per the terms and conditions stipulated in this Agreement. The AKRUTI Kendra can become a legal entity after registration for continuing its activities on commercial basis.

## 4. **RESPONSIBILITIES OF BARC AND MODE OF DEPLOYMENT**

### 4.1 **AKRUTI KENDRA TECHNOLOGY DOCUMENT (AKTD)**

BARC agrees to supply the technologies for rural deployment, in the form of documents, drawings, literature and advice as detailed in the AKRUTI Kendra





Technology Document (AKTD), which will be handed over to **PAHSU, SOLAPUR**, at the time of signing of this Agreement. The composition of the 'AKTD' is given in Annexure-A.

#### **4.2 Technical Guidance & Consultancy**

**PAHSU, SOLAPUR**, shall make necessary arrangements for residential accommodation, TA/DA etc. as per their entitlement for the above deputed personnel during the consultancy.

#### **4.3 Training**

Training to instructors of AKRUTI Kendra would be by BARC on selected technologies for which the institute can make infrastructure available to provide training facility. Accommodation for the instructors deputed by the institute for training at BARC will be provided as per the availability of guest house for accommodation.

### **5. FINANCIAL ARRANGEMENT**

**PAHSU, SOLAPUR** shall create facility using own resources, no financial support is given by BARC and no license fee to be payable by **PAHSU, SOLAPUR** to BARC.

### **6.0 RESPONSIBILITIES OF ACADEMIC INSTITUTE**

- 6.1 **PAHSU, SOLAPUR**, is responsible for execution and co-ordination of all AKRUTI activities at their end.
- 6.2 During the effective period of this Agreement, BARC reserves the right to inspect and test the technologies deployed by **PAHSU, SOLAPUR**, and also to inspect the working places as may be felt necessary by BARC.
- 6.3 **PAHSU, SOLAPUR**, shall obtain necessary local statutory clearances if required for any activity to be carried out under this Agreement.
- 6.4 **PAHSU, SOLAPUR**, shall support in spreading the BARC's concept of AKRUTI Programme through villages on its own.
- 6.5 **PAHSU, SOLAPUR**, shall also be encouraged to deploy new technologies developed

*J. C. Jh.*

*[Signature]*



by BARC for rural and societal importance on mutually agreed terms and conditions and support individuals to register as a firm or legal entity.

7. **BARC** reserves the right to revoke the license at any time by giving one month's notice to **PAHSU, SOLAPUR**, in the event of his failure to observe or adhere to the terms specified in this Agreement and Annexure – B without any liability on the part of BARC.

8. **EXERCISING AUTHORITY FOR PAHSU, SOLAPUR**

Any / all instructions or notices which are to be given to and for any / all acts authorized or required to be done under or in consequence of these conditions by BARC may be done by the nominees of Director, BARC and **PAHSU, SOLAPUR** shall accept only instructions so given. The exercising authority for **PAHSU, SOLAPUR** in the case of the **PAHSU, SOLAPUR** shall be -----or nominee.

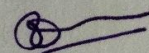
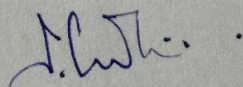
9. **PROJECT IMPLEMENTATION AND REVIEW COMMITTEE:**

9.1 **PROJECT IMPLEMENTATION COMMITTEE (PIC):**

A joint committee of BARC and **PAHSU, SOLAPUR** called the Project Review Committee (PRC) to give policy guidance and steer the programme will consist of the following members.

- a) Smt. Bharti A. Bhalerao, AKRUTI Coordinator, BARC : Chairman
- b) Dr. Anjana Lawand, Director, Chemical Sciences PAHSU : Co-chairman
- c) Concerned Professor (Technology) from PAHSU : Member
- d) Scientific Officer (Technology) from BARC : Member
- e) Prof./ Asst. Prof from PAHSU : Member Secretary

PIC will meet every 3 months to review, evaluate the progress of the project & send report to Chairman, PRC.





## 9.2 Project Review Committee (PRC):

A joint group called Project Review Committee of BARC and **BMIT, SOLAPUR** will review & monitor the project. It will consist of the following members:

- a) Head TT&CD, BARC : Chairman
- b) VC/ Registrar of PAHSU : Co-chairman
- c) Smt. Bharti A. Bhalerao, AKRUTI Coordinator, BARC : Member
- d) Dr. Anjana Lawand, Director, Chemical Sciences PAHSU : Member
- e) Prof./ Asst. Prof from PAHSU : Member Secretary

PRC will meet every 6 months to review the reports submitted by PIC.

## 10. NO LIABILITY CLAUSE

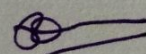
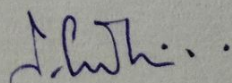
BARC shall not be responsible for any loss or damage whatsoever, resulting due to implementation of these technologies at the premises of the user(s) or due to testing of the same at their premises.

BARC shall not be responsible for any loss or damage to property, staff, project trainees or general public whatsoever, resulting due to the work undertaken by PAHSU, Solapur under this MoU.

## 11. Dispute Resolution CLAUSE

11.1 This Agreement will be construed by and governed in accordance with the laws of Republic of India. The Parties submit to exclusive jurisdiction of the courts of Mumbai, India.

All the dispute arising out of this agreement shall be settled amicably within 60 days. However, in the event of any such disputes are not settled amicably between the parties, the same shall be referred to a Dispute Resolution Committee constituted mutually between the parties for the purpose. The decision taken by the Committee shall be binding on both the



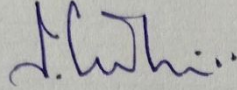


parties and they shall abide by the decision in totality. The Parties agree that venue of such proceedings, suit, action, or proceeding arising out of or related to this Agreement will be maintained in India.

11.2 Dispute Resolution Committee may also be constituted by Director BARC.

**FOR AND ON BEHALF OF**  
**President of India**  
**BARC, Mumbai**

**Signature**



डॉ. एस. अधिकारी Dr. S. Adhikari

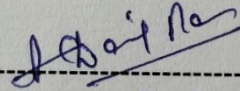
**Name**

सह. निदेशक, ज्ञान प्रबंधन वर्ग  
Associate Director, Knowledge Management Group  
भारत सरकार Government of India  
भाभा परमाणु अनुसंधान केंद्र Bhabha Atomic Research Centre  
ट्रॉम्बे, मुंबई- 400 085 Trombay, Mumbai-400 085.

**Date:** 27<sup>th</sup> November 2024

**Place:** Mumbai

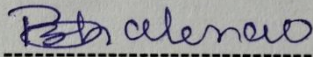
**Witness 1.**



**Name:**

Daniel Babu  
Head TT&C.

**Witness 2.**

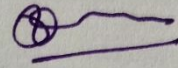


**Name:**

B.A. Bhalenao  
AKRUTI Gr. Leader

**FOR AND ON BEHALF OF**  
**PAHSU, SOLAPUR**

**Signature**



(Yogini Ghare)

**Registrar**

**Name:**

Punyashlok Ahilyadevi Holkar  
Solapur University, Solapur.

**Email id:**

registrar@sus.ac.in

**Contact Ph:**

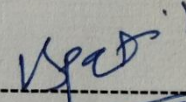
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**Date:**

30<sup>th</sup> November 2024

**Place:** Solapur.

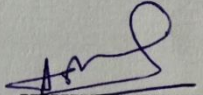
**Witness 1.**



**Name:**

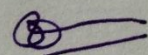
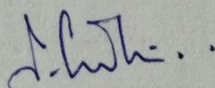
Prof. V.B. Patil

**Witness 2.**



**Name:**

Dr. A.S. Lewand





## Annexure-A

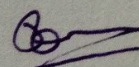
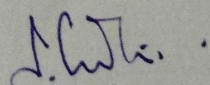
### 1. AKRUTI Kendra consists of following free selected Technologies with Technical Documents (AKTD):

Sr. No.	Technology
1.	Manually Operated Bamboo Cutting Tool (AB47DRHR)
2.	Foldable Solar Dryer (AB05FTD)
3.	Solar Dryer (AB14FTD)
4	Minimally Processed RTE Apple slices (AB38FTD)
5	Process for Long Lasting Ready- To- Eat (RTE) Intermediate Moisture (IM) Fruit Cubes (AB20FTD)
6	Shelf stable oil free potato chips of different flavors (AB46FTD)
7	Vibro-Thermal Disinfestor (AB19FTD)

### 2. High Tech Consultancy Service on trial basis for villages only

On successfully deploying the taken technologies in the rural sector, the ATP holder can request for following free consultancy suitable to his region on trial basis once:

- Radiation Processing of Agri produce (Sample Quantities)
- BARC New Seeds (Sample)
- Applications of Isotope Techniques in Hydrological Investigation (preliminary exposure)





## **Annexure-B**

### **TERMS AND CONDITIONS**

- Designed strictly for technology deployment exclusively for AKRUTI Kendra.
- Place of activity must be close to rural and semi urban sector for providing opportunities of jobs and entrepreneurship to citizens.
- Products made in villages can be marketed in urban areas in addition to villages after becoming a commercial licensee.
- The individual / entrepreneur / industry / company establishing AKRUTI Kendra can also deploy technologies in other villages through suitable mechanism or NGOs operating in those villages with above conditions in the same format as "AKRUTI-Kendra".

*J. P. Thakur*

*[Signature]*