

**IMPLEMENTING ARRANGEMENT
BETWEEN
INDIAN SPACE RESEARCH ORGANISATION
AND
CENTRAL UNIVERSITY OF HIMACHAL PRADESH**

**FOR ASSESSING THE FEASIBILITY OF
ESTABLISHING OPTICAL OBSERVATIONAL FACILITIES IN
THE STATE OF HIMACHAL PRADESH**

**05 MAY 2022
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Preamble

This Implementation agreement is made on the fifth day of May in the year 2022 between Indian Space Research Organisation, Department of Space, Antariksh Bhavan, New BEL Road, Bengaluru-560231 represented by Scientific Secretary, ISRO hereinafter referred to as "ISRO" on the one part and Central University of Himachal Pradesh (CUHP), an autonomous university under Department of Higher Education, Government of India, Dharamshala, Kangra, Himachal Pradesh-176206 represented by Registrar, CUHP, hereinafter referred to as "CUHP" on the other part for assessing the feasibility of establishing optical observational facilities in the State of Himachal Pradesh.

ISRO and CUHP (hereinafter referred to collectively as the "Parties" and individually as a "Party"), recalling the terms of the Memorandum of Understanding on Cooperation in the areas of Space Situational Awareness, Astronomy and Astrophysics, signed on April 08, 2022 (hereinafter referred to as the "MOU"),

have agreed as follows:

Article 1 – Purpose

The Purpose of this implementation agreement is to identify the roles and responsibilities of ISRO and CUHP **for assessing the feasibility of establishing optical observational facilities in the State of Himachal Pradesh.**

Article 2 – Background

CUHP and ISRO entered into the MOU and this implementation agreement is in connection with Article 4 of the MOU.

This implementation agreement establishes the activities required for assessing the feasibility of establishing optical observational facilities in the State of Himachal Pradesh.

Article 3 – Scope

The Implementation Agreement identifies the following activities for assessing the feasibility of establishing optical observational facilities mentioned in Article 2 as scope

- 3.1. Identification of potential land for establishment of the optical telescope facility.
- 3.2. Procurement of capital items required for the study like All Sky Camera, Automatic Weather Station, Portable Laptop and Storage.
- 3.3. Study site parameters through astronomical observations.

Article 4 – Responsibilities

4.1. CUHP shall be responsible

- 4.1.1. For identification of land in the State of Himachal Pradesh.
- 4.1.2. For procuring capital items required for the study.
- 4.1.3. For studying site parameters through astronomical observations.

4.2. ISRO shall be responsible

- 4.2.1. For bearing the expenditure for point 3.2 and 3.3.

4.3. General Responsibilities are

- 4.3.1. Both parties shall keep each other updated with the activities and share the necessary information for the completion of responsibilities.
- 4.3.2. ISRO and CUHP shall together address the delays in schedule and technical problems, if any, and arrive at a mutually agreed solution.
- 4.3.3. Confidentiality, non-disclosure, intellectual property rights, publications, data sharing policy and maintenance shall be mutually agreed by both parties and implemented through subsequent project specific agreements.

Article 5 – Points of Contact

The information exchange between the parties shall happen through identified Points of Contact.

- 5.1. ISRO point of contact is Dr. Bikram Pradhan, DSSAM, ISRO-HQ.
- 5.2. CUHP point of contact is Prof. Hum Chand, Professor, Department of Physics and Astronomical Sciences, CUHP.

Article 6 – Entry into Force, Duration & Amendments

- 6.1 This Implementing Arrangement shall be effective from the date of signing and remains valid for a period of one year or completion of activities whichever is earlier.
- 6.2 This Implementing Arrangement may be amended through mutual written agreement by the Parties.

Article 7 – Payment Schedules

- 7.1. The activities mentioned in Article-3 shall be completed within the estimated budget of ₹15 lakhs.
- 7.2. ISRO shall advance to CUHP the value of the items procured under capital expenditure, upon submission of vendor invoices or relevant documents.
- 7.3. Subsequent payments shall be made on submission of payment receipts or relevant documents.

Article 8 – Ownership and Custody of Capital Items

- 8.1. ISRO shall have ownership of all items procured under capital expenditure such as the All Sky Camera, Automatic Weather Station, Portable Laptop and Storage.
- 8.2. CUHP shall be the custodian of all items procured under capital expenditure.
- 8.3. The capital items may be used in future collaborations between ISRO & CUHP.

In witness whereof, the parties hereto have signed this agreement on the day, month and year mentioned herein before.

FOR

CENTRAL UNIVERSITY OF HIMACHAL PRADESH

UNDER

DEPARTMENT OF HIGHER EDUCATION

REGISTRAR,

CENTRAL UNIVERSITY OF HIMACHAL PRADESH

कलसचिव
हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय
एपीएन क्रिकेट स्टेडियम
केन्द्रीय कार्यालय, हिमाचल प्रदेश (हि090)-176215

FOR

INDIAN SPACE RESEARCH ORGANISATION

UNDER

DEPARTMENT OF SPACE

DIRECTOR,

DIRECTORATE OF SPACE SITUATIONAL AWARENESS AND MANAGEMENT,

INDIAN SPACE RESEARCH ORGANISATION