



తెలంగాణ నేలంగానా TELANGANA
Sl. No. 12811 Date 17/02/2021 100/-
Sold To Ramjee pallela
S/o. D/o. W/o. APPA RAJ pallela
For Whom A/c-CCMB R/othyd.

Shree AH 442874

Y. BHAVANI
LICENSED STAMP VENDOR
Lic.No: 15-07-025/2013, RL.No: 15-07-031/2019
H.No. 12-50/1, Beerappagadda, Uppal (V&M)
Medchal-Malkajgiri Dist - 500 039
Cell : 903009255

**"CONSERVATION THROUGH SCIENCE AND INNOVATION LABORATORY"
PARTNERSHIP AGREEMENT**

This Memorandum of Agreement is entered into on this the ____ day of February, 2022 ("Effective Date")

By and Between

THE COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR), a Society registered under the Societies Act (XXI of 1860), having its registered office at Anusandhan Bhavan, 2, Rafi Marg, New Delhi- 110001 acting through its **Centre for Cellular and Molecular Biology**, Habsiguda, Uppal Road, Hyderabad- 500007 (hereinafter referred to as "**CSIR-CCMB**" which expression shall, unless repugnant to or excluded by the context hereof, be deemed to mean and include its successors in interest, permitted assigns and affiliates) of the **FIRST PART**.

AND

KASHMIR UNIVERSITY, a state University registered under the Kashmir and Jammu Universities Act, 1969, through its Centre of Research for Development (CORD) which is a UGC approved multi-disciplinary research centre having its registered office at Naseem Bagh in the University of Kashmir, Hazratbal Campus, Srinagar-190 006 (J&K), (hereinafter referred to as "**CORD**" which expression shall, unless repugnant to or excluded by the context hereof, be deemed to mean and include its successors in interest, permitted assigns and affiliates) of the **SECOND PART**

AND

[Handwritten signatures]

ATAL INCUBATION CENTRE, CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY, a Section 8 company registered under the Companies Act, 1956, having its registered office at CSIR-CCMB, Habsiguda, Uppal Road, Hyderabad- and (hereinafter referred to as "**AIC-CCMB**") which expression shall, unless repugnant to or excluded by the context hereof, be deemed to mean and include its successors in interest, permitted assigns and affiliates) of the **THIRD PART**.

AND

IKP KNOWLEDGE PARK, a Section 8 company registered under the Companies Act, 1956, having its registered office at Genome Valley, Turkapally, Shamirpet, Medchal-Malkajgiri District, Hyderabad - 500 101 (hereinafter referred to as "**IKP**") which expression shall, unless repugnant to or excluded by the context hereof, be deemed to mean and include its successors in interest, permitted assigns and affiliates) of the **FOURTH PART**

For the purposes of this Agreement, organizations shall be individually referred to as "**Party**" and collectively as "**Parties**".

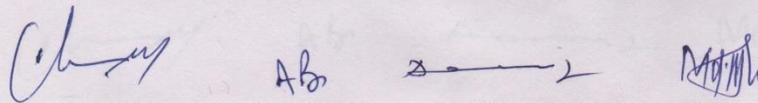
Whereas:

- A. CSIR-CCMB has established Laboratory for the Conservation of Endangered Species (LaCONES), that aims at promoting conservation through application of biotechnological tools.
- B. University of Kashmir established CORD to organize and conduct interdisciplinary research project, and intends to address the issue of wildlife forensics and conservation
- C. AIC-CCMB provides an ecosystem for life science research and innovation in India. The centre fosters industry-academia interaction and addresses the problems faced in translational research by start-ups.
- D. IKP Knowledge Park is a science park and start up incubator aimed at nurturing innovation, identifying innovators with ideas and solutions, funding and acceleration adoption of innovation across healthcare, public health, animal health and related areas such as wildlife conservation; and has prior experience in establishing and operating incubation centres and common instrumentation facilities.
- E. All Parties, are engaging in an agreement to set up a "**CONSERVATION THROUGH SCIENCE AND INNOVATION LABORATORY**" (**COSI-LAB**) based in Centre of Research for Development (CORD), University of Kashmir, Srinagar, with support from CSIR-CCMB, AIC-CCMB and IKP (**Annexure I**).

Background:

Kashmir Himalayas is well recognized for its rich and unique biodiversity, represented by many charismatic species. Kashmir becomes disconnected from the rest of the country when the mountain passes close due to heavy snowfall during winter annually. Owing to its geographic position, isolation, and political situation, it faces a growing threat of crimes related to wildlife. This region has emerged as an important centre and a corridor for illegal wildlife trade. In the last few decades, hunting for illegal trade has gained popularity over local consumption. This has led to drastic declines in the populations of many charismatic species and it has brought several of them to the verge of extinction.

To address the need in Jammu & Kashmir and Ladakh, CSIR-CCMB, along with AIC-CCMB and IKP propose to help establish 'Conservation through Science and Innovation Laboratory' based at CORD, University of Kashmir, Srinagar. CORD is a UGC-approved centre of the University with the aim of promoting multi-disciplinary research including wildlife research as one of its thrust areas, since its inception. The centre also has a 'Wildlife Biology Lab' for focused research on ecology and wildlife of Kashmir region. This laboratory will function as a field office to provide scientific knowhow training and forensic diagnostic services for interpretation of relevant evidence in a manner best suitable for presentation in the court of law, to curb wildlife crime in the region.



Objectives of MoA

1. Establishing and sustaining a well-equipped molecular biology lab dedicated primarily for wildlife forensics, along with wildlife conservation capabilities at CORD, Srinagar.
2. Instituting training/skill development programs for state forest department, police, judiciary and other enforcement departments on application of DNA technology in curbing wildlife crime and strengthening conservation. The scope can be further enlarged to provide training and skill development for local youth.
3. Supporting innovators and start-ups associated with CSIR-CCMB, AIC-CCMB and IKP to conduct field research in wildlife forensics and conservation from the said centre.
4. Promote an ecosystem of innovation and entrepreneurship in the region by creating awareness on innovation grants for start-ups, students and faculty.
5. Enable the deployment of innovation, that will benefit the economy of the Kashmir Valley, and create local employment

Target Beneficiaries:

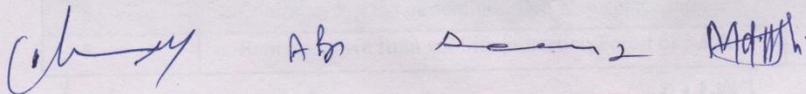
1. Department of Wildlife Protection Jammu & Kashmir, and Forest Department of Ladakh
2. Police and other Enforcement Departments of Jammu & Kashmir, and Ladakh
3. Forensic labs, universities in Jammu & Kashmir, and Ladakh.
4. WCCB, TRAFFIC, WTI, WCT and other institutions/ NGOs working for wildlife conservation in these union territories.
5. Students, innovators and researchers interested in conducting field studies in wildlife conservation.

NOW, THEREFORE, the Parties hereby agree as follows:

CLAUSE 1. DEFINITIONS AND INTERPRETATION

1.1. Definitions

- 1.1.1. "Apex Committee" shall have the meaning assigned to it under Clause 2.1 of this MoA.
- 1.1.1. "Applicable Law" shall mean all applicable laws, bye-laws, statutes, rules, regulations, orders, ordinances, notifications, codes, guidelines, policies, notices, directions, writs, injunctions, judgments, decrees or other requirements or official directive of any court of competent authority or of any competent governmental authority or person acting under the authority of any court of competent authority or of any competent governmental authority of the India, whether in effect on the date of this Agreement or thereafter.
- 1.1.2. "Business Day" shall mean any day other than a Saturday, Sunday or a day on which either the state or national banks in India are not open for the conduct of normal banking business;
- 1.1.3. "Confidential Information" shall mean:
 - A. All information relating to and concerning business operations, products, applications, services and any commercial, financial and technical or non-technical detail including without limitation or exception any and all information shared regarding systems, designs, specifications, technologies, techniques, projects, planned projects, markets, supply chain specifications, customers, employees, agents, investors, investment amounts, potential investors, liabilities, loans, debt instruments issued, branding, merchandising, data analysis including revenue projections, cost summaries, pricing formulae, technical know-how and any other intellectual property, and the like, irrespective of whether it is written, oral, in the form



of audio tapes or video tapes, drawn, transcribed or plotted, through or on any human or machine readable document, disclosed by either Party to the counter-Party; and

B. The content and the existence, negotiations and communications relating to this MOA.

1.1.5 **"FORCE MAJEURE EVENT"** shall mean any cause affecting the performance by a Party of its obligations arising from acts, events, omissions, happenings or non-happenings beyond its reasonable control, including acts of God, riots, war or armed conflict, embargo, acts of terrorism, acts of government, local government or Regulatory Bodies, fire, flood, storm or earthquake, or disaster;

1.1.6 **"CONSERVATION LAB"** SHALL HAVE THE MEANING ASSIGNED TO IT UNDER CLAUSE 3 OF THIS MOA.

1.1.7 **"RELATED PARTY"** shall have the meaning assigned to it under Clause 7 of this MOA.

1.1.8 **"TERM"** shall have the meaning assigned to it under Clause 11 of this MOA.

1.2. Interpretation

1.2.1. The headings and indices are inserted for reference only and shall not affect the construction/interpretation of this MOA.

1.2.2. This MOA is divided into Clauses, each Clause consisting of sub-clauses.

1.2.3. All schedules and annexures to the MOA, including those as modified or amended from time to time by the Parties after mutual consent, shall be deemed to be a part of the MOA.

1.2.4. Where the day by which anything is to be done is not a business day, such thing must be done by the successive business day.

1.2.5. References in this MOA to statutory provisions shall be construed as references to those provisions as modified or re-enacted from time to time (whether before or after the date of this MOA) and to any subordinate legislation made under such provisions and shall include references to any repealed statutory provision which has been so re-enacted (whether with or without modification).

1.2.6. No provisions of this MOA shall be interpreted in favour of, or against, any Party by reason of the extent to which such Party or its counsel participated in the drafting hereof or by reason of the extent to which any such provision is inconsistent with any prior draft hereof.

CLAUSE 2. APEX COMMITTEE

2.1 The Parties will constitute an apex committee under this MOA ("Apex Committee"), for general oversight over the establishment and operation of the laboratories in respect of fulfilment of the responsibilities and obligations under this MOA.

2.2 The Apex Committee will consist of six members in total, and will be constituted in the following manner:

Serial No.	Member	Number
1.	Director or nominee(s) of CSIR-CCMB	1-2
2.	Nominee of VC, KU	1
3.	Director or nominee, CORD	1
4.	CEO or nominee, AIC, CCMB	1
5.	Chairman & CEO or nominee, IKP Knowledge Park	1
6.	Representative from wildlife protection/Forest of J & K	1

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2.3 Meetings: The Apex Committee shall meet at least once in six months to review the progress of the establishment and operation of CORD Laboratories.

2.4 Quorum and Decision Making: The quorum for the meeting shall be all six members or their nominees.

2.5 Roles and Responsibilities

- i. Decisions pertaining to facilities offered at the COSI-LAB, including the revision or approval of any decision taken by any of the parties in pursuance of the fulfillment of its roles and responsibilities under this MOA;
- ii. Preparation and submission of Half yearly and annual reports on the activities of the COSI-LAB;
- iii. Key decisions related to reallocation of project budget heads, and budget allocations, as essential for the best outcomes of the project;
- iv. Key decisions related to infrastructure upgradation and maintenance;
- v. Key decisions related to selection of research project, innovations to be supported by the COSI-LAB.

CLAUSE 3. ROLES AND RESPONSIBILITIES

A. Responsibilities of CSIR-CCMB:

- Provide scientific and technological know-how for the wildlife forensics related activities;
- Train research staff needed for wildlife forensics;
- Provide resource persons for conducting training and skilling workshops

B. Responsibilities of CORD:

- Provide space and other basic amenities for the proposed COSI-LAB facility for which the Centre has already obtained necessary approval from the Competent Authority, University of Kashmir;
- Source samples and analysis & reporting of Wildlife forensic cases; and write research papers with shared credits among all contributing parties.
- Make the COSI-Lab operational within 6 months of signing this MoA;
- Allow IKP staff and IKP sponsored entrepreneurs / innovators to work out of / operate out of the COSI-LAB. List IKP and IKP Personnel as part of the entrepreneurship efforts, when there is significant contribution from IKP or IKP supported entrepreneurs.
- Provide laboratory support to the research scholars of CORD working on the molecular aspects related to wildlife research and conservation.
- Identify and nominate a Nodal Persons with a degree in Wildlife Science from its faculty to act as Lab in charge and Coordinator for the initiative

C. Responsibilities of AIC-CCMB:

- Manage operational support for the lab
- Work closely with CSIR-CCMB, IKP and other partners to raise funds through grants for the lab under the mandates of "One Health" of World Health Organisation (WHO) and UN and similar agencies with primary focus on wildlife forensics;
- Conduct Skilling, Entrepreneurship Development programs, and outreach events with IKP and other partners;
- Promotional activities including brochures, social media connects, website etc.;
- After the facility at CORD becomes self-sufficient, CSIR-CCMB, AIC-CCMB & IKP would serve as a mentoring lab and continue to hand-hold CORD. This would allow CORD to fledge in the area of wildlife forensics and conservation in the Union Territories of Jammu & Kashmir and Ladakh.

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D. Responsibilities of IKP:

- IKP will provide lab equipment and materials as per the list agreed upon by the partners (**Annexure II**);
- IKP and KU will sign an agreement that will allow the transfer of equipment and related assets to CORD, KU at the end of 60 months;
- IKP will attempt to popularise this lab as a field office among research and innovation communities working on the mandates of "One Health" with primary focus on wildlife forensics and conservation;
- Support efforts to raise funds for operations and expansion of the facility with partners.

CLAUSE 4. REPRESENTATIONS AND WARRANTIES

- 4.1. Each Party represents and warrants that this MOA will, from the Effective Date onwards, form valid and legally binding obligations on both the Parties in the manner provided herein for the duration of the Term of this MOA.
- 4.2. Each party hereby represents and warrants that:
- 4.2.1 It has the power and is duly authorised to enter into this MOA and execute the terms listed therein;
- 4.2.2 This MOA does not contravene any existing law or obligation by which it is bound;
- 4.2.3 It is not subject to any agreement, judgment or order that is inconsistent with or adverse to the terms and conditions of this MOA.

CLAUSE 5. FUNDING

- 5.1. IKP will provide capital assets amount to around INR 66.00 lakhs (Sixty-six lakhs only) as per the list provided in **Annexure II**. Upon completion of 60 months of the date of signing of the agreement, the assets will be transferred to CORD, KU.
- 5.2. AIC-CCMB will raise funding for remaining capital (CAPEX) and operational (OPEX) expenses via other government or CSR channels for first 2 years. AIC-CCMB will attempt for raise additional funding for operations after this period.
- 5.3. Funds raised through wildlife forensic services and trainings will be used for OPEX from year 2 onwards.

CLAUSE 6. BANK ACCOUNT AND OPERATION

- 6.1. CORD will open a savings account in a bank of its choice to be used for all transactions concerning the COSI-LAB including collecting revenue generated from services and trainings ("Bank Account") can be used eventually for meeting the operational expenses of the lab
- 6.2. AIC-CCMB open a savings account in a bank of its choice to be used solely for all transactions concerning the COSI-LAB including the transfer and withdrawal of any external funding raised by AIC-CCMB.

CLAUSE 7. CONFLICT OF INTEREST

In all matters pertaining to the engagement of partners in the COSI Lab, the parties agree to notify the Apex committee promptly of any actual, perceived or potential conflicts of interest which could affect its performance of this Agreement and abide by the decision taken by the committee to take action to resolve the same.

Clause 8. BRANDING AND PUBLICITY

- 8.1. COSI-LAB and CORD will ensure that all manner of display material, promotional endeavours and all forms of publicity and branding material in relation to the COSI-LAB will bear the brand names and logos of the CSIR-CCMB, IKP, AIC-CCMB, the logos of which shall be provided by the respective authorities/organizations at the time of entering of this MoA for avoidance of doubts.
- 8.2. COSI-LAB and CORD will ensure that any other form of publicity conducted on digital media and online platforms relating to the COSI-LAB will contain the brand names and logos of CSIR-CCMB, AIC-CCMB, IKP; the logos of which will be provided by the respective authorities/organizations at the time of entering of this MoA for avoidance of doubts.
- 8.3. COSI-LAB and CORD will have the responsibility to ensure that CSIR-CCMB, IKP and AIC-CCMB receive adequate publicity in respect of the establishment and operation of the COSI-Lab and any publicity endeavours undertaken in relation thereto.

CLAUSE 9. MILESTONES

CORD will establish and operationalise the molecular biology laboratory in accordance with the milestones detailed under **Annexure III** to this MoA ("Milestones").

CLAUSE 10. AUDIT AND REPORTS

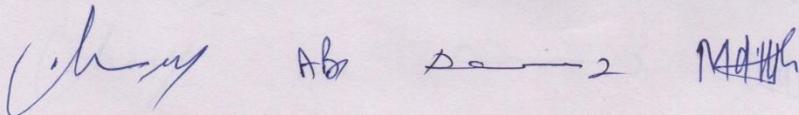
- 10.1. Audit: AIC-CCMB will, within 90 days from the Effective Date, appoint a registered external auditor.
- 10.2. Reports: Notwithstanding the other provisions of this MOA, within 60 (sixty) days of the end of each calendar year a report will be submitted to the Apex committee.

CLAUSE 11. TERM AND TERMINATION

- 11.1. This MOA will commence on the Effective Date and be operative for a period of sixty (60) months there from ("Term").
- 11.1. Upon expiry of the Term, the Parties may mutually agree to extend the Term for such further period as is determined then.
- 11.2. Either Party may, prior to the conclusion of the Term, choose to terminate this MoA by providing 60 (sixty) days' written notice to the Counter-Party.
- 11.3. **Effects of Termination:**
 - 11.3.1. In the event that this MOA is terminated before 36 months from the effective date, In the event of termination of this MOA under any eventuality expressed under Clause 11 of this MOA, CORD/KU will return the -equipment listed in **Annexure II** to IKP.

CLAUSE 12. FORCE MAJEURE

- 12.1 Failure of a Party to carry out its obligations under this MoA shall not constitute breach of the MoA if the failure occurs on account of a Force Majeure Event, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of the MoA.
- 12.2 Measures to be taken in the case of a Force Majeure Event:



12.2.1 A Party affected by a Force Majeure Event shall take all reasonable measures to remove its inability to fulfil its obligations under the MoA to ensure that the delay is minimized.

12.2.2 A Party affected by a Force Majeure Event shall notify the other Party of such event as soon as possible, and in any event not later than 14 (fourteen) Days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall also give notice of the restoration of normal conditions as soon as possible.

12.2.3 The Parties shall take all reasonable measures to minimize the consequences of any Force Majeure Event, which shall affect their obligations under the MOA.

12.3 In the circumstance that the Force Majeure Event continues to subsist for a continuous period of 6 (six) months, the Parties shall have the liberty to terminate this Agreement in accordance with Clause 13 of this Agreement.

CLAUSE 13. INDEMNITY

Each party represents that:

13.1 It has full corporate power and absolute authority and right to execute and deliver this Agreement and to perform all its duties, obligation and responsibilities arising or created under or pursuant to this Agreement;

13.2 Each party shall defend, indemnify, and hold other parties harmless from any loss, claim, damage, or liability, of whatsoever kind or nature, which may arise from or in connection with this Agreement or the use of any intellectual property rights of each other.

CLAUSE 14. LIMITATION OF LIABILITY

In no circumstances shall either Party be liable to the other in contract, tort (including negligence or breach of statutory duty) for any loss of profit, business reputation, contracts, revenues or anticipated savings for any special, indirect or consequential damage of any nature, which arises directly or indirectly from any default on the part of either Party.

CLAUSE 15. CONFIDENTIAL INFORMATION

15.1 Each Party will maintain the confidentiality of all Confidential Information disclosed by either Party to the Counter-Party.

15.2 Subject to Clause 15.3, neither Party shall, at any time during the Term or thereafter, without the written consent of the Counter-Party, divulge or permit its officers, employees, agents, advisers or contractors to divulge to any person any Confidential Information disclosed to it.

15.3 The obligations of confidentiality set forth in Clause 15.1 and 15.2 shall not apply to any information:

15.3.1 Which is or becomes publicly available other than by breach of this MOA by any Party;

15.3.2 Which is in or comes into the possession of the concerned Party prior to the date of execution hereof and which was not or is not obtained under any obligation of confidentiality; or

15.3.3 Which is required by Applicable Laws or appropriate regulatory authorities to be disclosed, provided, however, the Party to whom such request for disclosure is made shall make best efforts to give prior notice of at least 10 (ten) Business Days of such request to

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the Counter-Party and the Party shall restrict the disclosure of Confidential Information to the minimum required extent.

Clause 16. GOVERNING LAW, JURISDICTION AND DISPUTE RESOLUTION

- 16.1 This MOA shall be governed by and interpreted in all respects in accordance with the laws of the Republic of India.
- 16.2 Subject to the provisions made in Clause 16.3, the Parties hereby submit to the exclusive jurisdiction of the courts of Hyderabad.
- 16.3 All disputes arising out of or in relation to this Agreement shall be settled amicably by the Parties within 30 [thirty] days of the of the first initiation of the dispute. In the event no amicable settlement is arrived at within a period of 30 [thirty] days from the date of first initiation of the dispute by one Party to other, the Parties shall resolve the dispute by means of arbitration pursuant to the Arbitration and Conciliation Act, 1996:
 - 16.3.1 The arbitration shall be conducted by an arbitral tribunal comprising of 1(one) arbitrator mutually appointed by the Parties.
 - 16.3.2 The arbitration proceedings shall be conducted in English language only and the venue for arbitration shall be at Hyderabad.
- 16.4 The award of the arbitral tribunal shall be final and binding on the Parties.

CLAUSE 17. NOTICES

- 17.1 Any notice or other communication required to be sent under this MOA will be sent or delivered to the receiving party at the postal address and e-mail set forth below, or at such other address as the Parties may from time to time designate in writing:

In the case of notices TO CORD	Kind Attention	Director, CORD
	Address	University of Kashmir, Hazratbal 190006
	Tel Number	0194-2429870; +91 9796754654
	E-Mail	mdniamat@uok.edu.in; mdniamat@hotmail.com
In the case of notices to IKP	Kind Attention	Chairman and CEO, IKP Knowledge Park
	Address	Genome Valley, Turkapally Village, Shamirpet, Hyderabad 500101
	Tel Number	+91-40-2348 0022
	E-Mail	deepanwita@ikpknowledgепark.com
In the case of notices TO AIC-CCMB	Kind Attention	CEO, AIC-CCMB
	Address	III floor, Medical Biotechnology Complex, Uppal, Hyderabad 500039
	Tel Number	04027195631
	E-Mail	aic@ccmb.res.in
In the case of notices to CSIR-CCMB	Kind Attention	Director, CSIR-CCMB
	Address	CSIR-CCMB, Uppal Road, Habsiguda, Hyderabad-500007
	Tel Number	040-27192534
	E-Mail	director@ccmb.res.in

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17.2 Any notice or other communication shall be sent by certified or registered mail, email, and facsimile or by hand delivery. All notices referred in this MOA or other communications shall be deemed to have been duly given or made:

17.2.1 7 (seven) days after being deposited in the mail with postage pre-paid; and

17.2.2 If delivered by facsimile or e-mail, when the activity report confirms successful transmission.

CLAUSE 18. SEVERABILITY

If any provision or any part of a provision of this MOA is invalid, unenforceable or prohibited by applicable laws, such provision or part of provision if this MOA will be severed from this MOA and will be considered divisible as to such provision or part thereof and such provision or part thereof shall be inoperative between the Parties hereto and shall not be part of the consideration moving between the Parties hereto and the remainder of this MOA will be valid and binding and of like effect as though such provision was not included herein.

CLAUSE 19. AMENDMENT

This MOA may be amended by the Parties from time to time through the execution of a written amendment to such effect.

CLAUSE 20. ASSIGNMENT

This Agreement will ensure to the benefit of and be binding upon the Parties and their respective legal heirs, successors and/or permitted assigns, as the case may be. This Agreement shall not be assigned by either Party without the prior written consent of the Counter-Party.

CLAUSE 21. NO WAIVER

The failure of either Party at any time to require performance by the other Party of any provision hereof shall not affect in any way the full right to require such performance at any time thereafter; nor shall the waiver by either Party of a breach of any provision hereof be taken or held to be a waiver of the provision itself.

CLAUSE 22. NO AGENCY

22.1 The Parties acknowledge that this MOA is entered into by all Parties on a principal-to-principal basis.

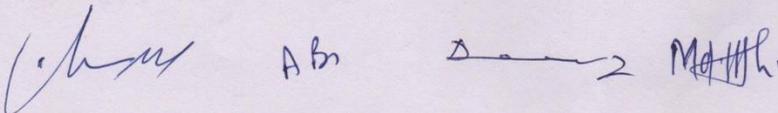
22.2 Nothing contained in this document shall be deemed to create a joint venture, master/servant, principal/agent or an employer-employee relationship.

CLAUSE 23. COUNTERPARTS

This Agreement may be executed in one or more counterparts, each of which will be deemed to be an original and all such counterparts will together constitute one and the same Agreement.

CLAUSE 24. COMPLETE UNDERSTANDING

This Agreement contains the entire understanding between the Parties, superseding all prior communications, agreements, and understandings between the Parties with respect to the purpose of this Agreement.

Handwritten signatures and initials in blue ink. From left to right: a cursive signature, the initials 'A B', a signature that appears to be 'D...', and another cursive signature.

IN WITNESS WHEREOF the parties have signed and delivered this MOA on the day, month and year first above mentioned in the presence of the witnesses at Hyderabad:

1. CSIR-CCMB

Dr. Archana Bharadwaj Siva

Name: **Dr. Archana B. Siva**

Designation: Senior Principal Scientist & HEAD-BDG, CSIR-CCMB

Dr. Archana Bharadwaj Siva
Senior Principal Scientist
Head-HRG & Business Development
Centre For Cellular and Molecular Biology
Uppal Road, Hyderabad - 500 007.

2. CORD

Prof. Md. Niamat Ali

DIRECTOR
Center of Research for Development
University of Kashmir
Srinagar-190 006

Name: **Prof. Md. Niamat Ali**

Designation: Director, CORD, University of Kashmir

For IKP Knowledge Park

3. IKP Knowledge Park

Ms. Deepanwita Chattopadhyay

Name: **Ms. Deepanwita Chattopadhyay** Chairman & CEO

Designation: Chairman and CEO, IKP Knowledge Park

4. AIC-CCMB

Dr. N. Madhusudhana Rao

Name: **Dr. N. Madhusudhana Rao**

Designation: CEO, AIC-CCMB



Witnesses:

1. *P. Ramjee Pallela*
P. RAMJEE PALLELA
AIC-CCMB.

2. *CD. Viswanadh.D*
CD. VISWANADHAM DIPPATLA, IKP KNOWLEDGEPARK

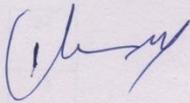
Annexure I

OUTCOMES FOR THE COSI-LAB

- This project will be beneficial to biodiversity conservation in the region and society at large. In the long run we foresee successful closures of wildlife crime cases with a greater number of convictions. Success criteria to assess whether the development objectives have been achieved should be spelt out in measurable terms. Base-line data should be available against which success of the project will be assessed at the end of the project (impact assessment). Similarly, it is essential that base-line surveys be undertaken in case of large, beneficiary-oriented schemes. Success criterion for scheme deliverables/outcomes should also be specified in measurable terms to assess achievement against proximate goals.
- Time taken for sample analysis, report generation and submission will be reduced significantly as compared to sending samples to distantly located DNA labs.
- The Centre will provide DNA-based baseline data on the volume of wildlife crime happening in these union territories.
- The Centre will also be able to provide research platform for further improvements and refinements in existing DNA tools and development of new technologies for forensics, which increases the scope for publication of manuals, SOPs and publications in national and international journals.

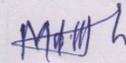
Target Beneficiaries:

1. Department of Wildlife Protection Jammu & Kashmir, and Forest Department of Ladakh
2. Police and other Enforcement Departments of Jammu & Kashmir, and Ladakh
3. Forensic labs, universities in Jammu & Kashmir, and Ladakh.
4. WCCB, TRAFFIC, WTI, WCT and other institutions/ NGOs working for wildlife conservation in these union territories.
5. Students, innovators and researchers interested in conducting field studies.









Annexure II

Equipment supported by IKP:

S.No	Equipment name	Number	Make/Model	Price (In INR)	Remarks
1	-70°C freezer	1	Thermo 995	9,46,000	From IKP Inventory
2	Digital pH meter with micro-electrode	1	Eutech Ph700	15,000	From IKP Inventory
3	Electronic balance	1	Sartorius GPA5202	80,100	From IKP Inventory
4	Hybridization oven for sample incubation	1	Biometra OV5 Duo-Therm Hybridization Oven Incubator	1,50,000	From IKP Inventory
5	Ice machine	1	Simag	3,50,000	From IKP Inventory
6	PCR hood	1	Labconco 8 feet	5,11,877	From IKP Inventory
7	Printer	1	Zebra GM600	1,08,000	From IKP Inventory
8	Refrigerators	2	Whirlpool	45,900	From IKP Inventory
9	Centrifuge	2	Eppendorf 5424	3,26,000	From IKP Inventory
10	Table top shaker	1	INNOVA 42	5,00,000	From IKP Inventory
11	UV Transilluminator/Gel Doc	1	VWR	1,00,102	From IKP Inventory
12	Vortex mixers	1	Spinix	800	From IKP Inventory
13	Refrigerated centrifuge	1	Eppendorf 5430R	4,00,000	From IKP Inventory
14	Waterbath	1	Thermo Precision 2867	1,29,500	From IKP Inventory
15	Ultra-Sensitive balance	1	Sartorius SE2	9,79,367	From IKP Inventory
16	Autoclave	1	DAIHAN MaXterile 60, Autoclave, Standard, 60	4,51,384	New Equipment
17	Bio-hazard safety hood BSL-2/3	1	SRICO Biological Safety Cabinet with motorised sash, Internal Size (WxDxH) : 4x2x2 ft	5,50,009	New Equipment
18	Heating blocks	1	MaXtable H20 Unit Compact-size Heating, Block/Dry Bath Incubator	42,392	New Equipment
19	Microwave oven	1	LG Microwave Oven	17,971	New Equipment
20	Eppendorf PCR Bundle	3	Eppendorf Research® plus pipettes, 3-pack, 1-channel: 2 – 20 µL, 20 – 200 µL, 100 – 1,000 µL	8,96,800	New Equipment
21		1	Centrifuge MiniSpin®, keypad, non-refrigerated, with 2 Rotors		
22		1	Mastercycler® nexus gradient, 230 PCR Machine		
23		1	PCR-Cooler 0.2 mL Starter Set, 1 pink, 1 blue		
24		1	Vilber BIO-PRINT-CX4 Edge Gel Documentation System		
25		1	HELINI Mini Submarine gel Electrophoresis		
26		1	HELINI Mini Power Pack		
Total				66,01,202	

Total Equipment cost, rounded off INR 66 lakhs
Packing and Shipping Charges INR 1.5 lakhs
Total Expenditure INR 67.5 lakhs

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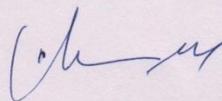
Annexure III

Milestones

Duration of project – 5 years

Months	Executing Party	0-3	4-8	8-16	16-24	24-36	36-48	48-60
A. Establishment of Conservation laboratory	CORD							
i. Equipment transfer to COSI LAB	IKP							
ii. Procurement of additional equipment & fixtures	AIC-CCMB							
B. Operationalising								
i. Appointment for staff	CORD							
ii. Recruitment of additional manpower	CCMB & AIC-CCMB							
Skilling and training in conservation techniques	CSIR-CCMB							
Awareness and promotion of conservation among state and educational institutes	CORD & CSIR-CCMB							
Field camps	CORD & CSIR-CCMB, IKP							
Innovation workshops in modern conservation methods	CORD & CSIR-CCMB, IKP							
Forensic services to the stakeholders	COSI-LAB							
Entrepreneurship development programs & other high engagement programs	AIC-CCMB & IKP							

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