

കേരളം KERALA

BT 902871

## MEMORANDUM OF UNDERSTANDING (MoU)

between

**Cochin International Airport Limited, Cochin, Kerala, India.**

and

**St. Alberts College (Autonomous), Ernakulum, Kerala, India.**

This Memorandum of Understanding (MoU) is signed on this the 19<sup>th</sup> day of July 2018 between **Cochin International Airport Limited**, Kochi Airport P.O., Nedumbassery, Ernakulum and having its registered office at No. 35, 4th floor GCDA Commercial Complex, Marine Drive, Kochi – 31, Kerala, hereinafter referred to as “CIAL” (which term shall, unless excluded by or is repugnant to the context, be deemed to include its successors and assigns) of the first part represented by its **Managing Director, Shri. V J Kurian**

And

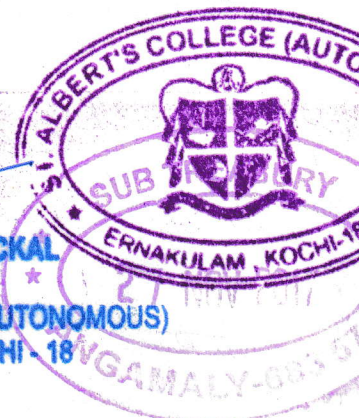
**St. Albert's College (Autonomous)**, Banerjee Road, Ernakulum, hereinafter referred to as “SACA” (which term shall, unless excluded by or is repugnant to the context, be deemed to include its successors and assigns) of the Second part represented by its **Chairman, Fr. Antony Arackal**

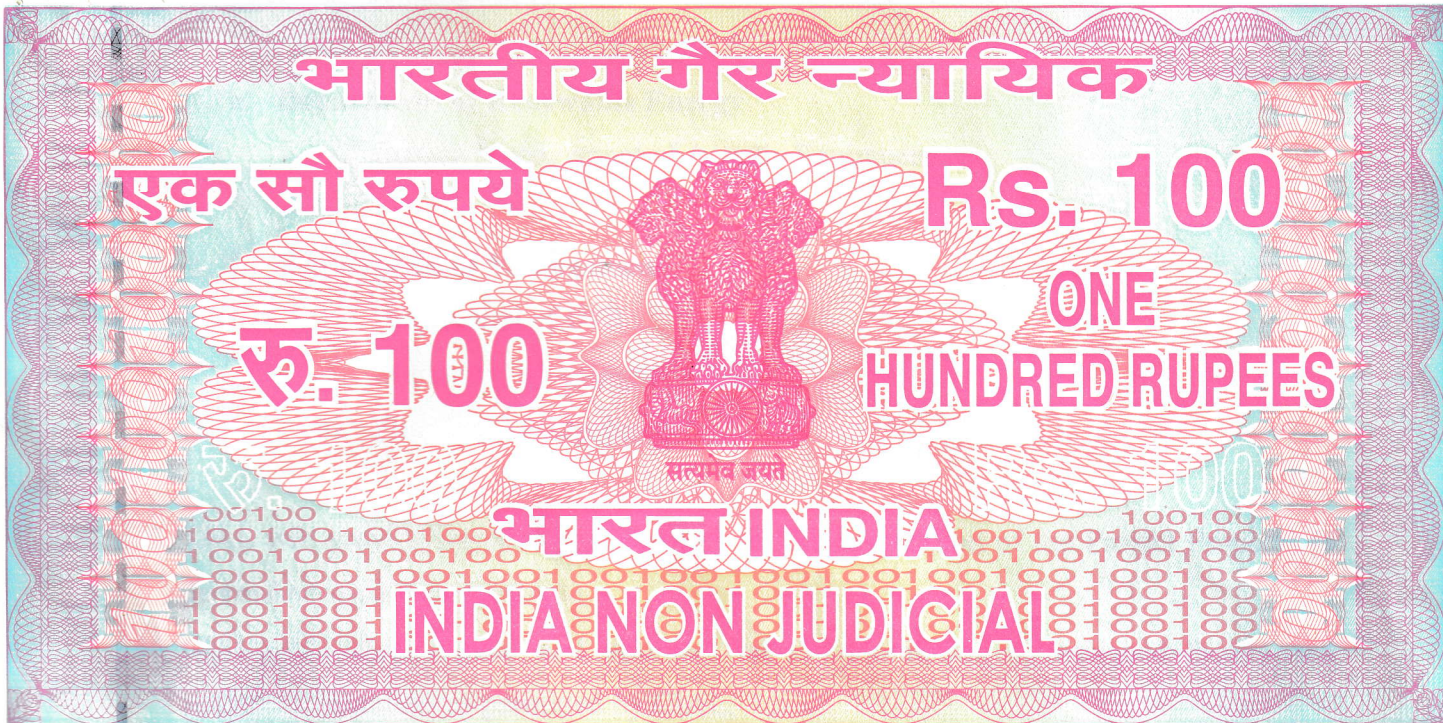


Cochin International Airport Limited  
P. O. Kochi Airport  
Ernakulum - 683 111  
Kerala - India

*[Signature of V J Kurian]*

ANGAMALY VEDAR  
M.J. BABY L.N.O. 15/7/2018  
FR. ANTONY ARACKAL  
CHAIRMAN  
ST. ALBERT'S COLLEGE (AUTONOMOUS)  
ERNAKULAM, KOCHI - 18





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### Scope of MoU

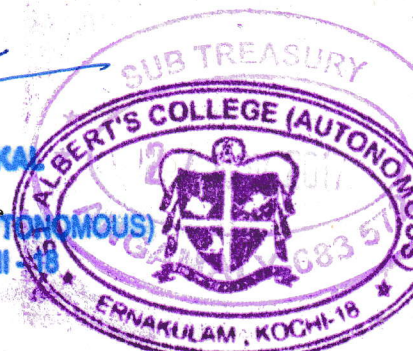
#### Whereas

1. CIAL has developed 130 acres of rolling greens which is the only 18 hole golf course in Kerala with five large water bodies numbered one to five in the Golf Course with a total water spread of around 15.25 acres.
2. CIAL experimented fish farming in Pond number One and found it to be an effective method for utilizing the water spread and wishes to explore the possibilities for extending the farming to the remaining four water bodies.
3. CIAL is ready to associate with competent institutions/departments with a proven track record in the field of aquaculture and allied fields desirous of launching and demonstrating sustainable methods of aquatic farming.
4. CIAL is willing to experiment innovations in the field of aqua farming which are amenable to this geographic region.
5. CIAL expects regular monitoring of the ongoing culture techniques and can permit sampling from its water bodies and STP Unit.
6. CIAL is inclined to provide additional facilities/infrastructure as well as share its resources for effective implementation.



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ERNAKULAM, KOCHI - 18



7. CIAL aims to establish model farming techniques which can be replicated by other similar facilities within and outside the country.

**Whereas**

8. SACA has the necessary expertise, research and training experience in the fields of aquaculture, water quality management, biotechnology, processing and marketing management having managed its own fish/shrimp farm at Pizhala, Kadamakudy Village located in Ernakulam District for the past decade and a half. Close to 60% of the institutions energy requirements is met from its own renewable energy sources.
9. SACA is desirous of associating with CIAL in this unique venture through a multidisciplinary collaboration which will be mutually beneficial to both organizations.

**NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSES AS FOLLOWS**

10. SACA will provide technical consultancy for effective implementation of existing and innovative technologies adaptable to the prescribed area.
11. The multidisciplinary association will involve the Department of Fisheries and Aquaculture taking a lead role since the major activity comes under the field of aquaculture.
12. The role of each department can be generally defined however not fully assumed to contribute technical know-how in the following areas:

**a. Department of Fisheries and Aquaculture**

- i. Pond Management
- ii. Innovative Culture Techniques
- iii. Seed Management
- iv. Feed Management
- v. Health Management
- vi. Biotechnological Interventions
- vii. Processing Management

**b. Department of Chemistry**

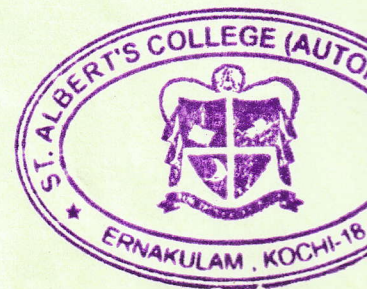
- i. Water Quality Management

**c. Department of Zoology**

- i. Zooplankton Studies
- ii. Micro-Benthos Management
- iii. Microbial Interaction of Bio-geo Chemical Cycles
- iv. Microbial profiling of water, soil, flora and fauna

**d. Department of Botany**

- i. Weed Management
- ii. Phytoplankton Studies
- iii. Floral Profiling of Water Bodies and associated terrain



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**e. Department of Renewable Energy**

- i. Energy Management of Aquatic Equipment

**f. Department of Management**

- i. Preparation of DPR
- ii. Marketing Management
- iii. Financial Management

- 13. CIAL will provide supporting documents for the preparation of the Project Proposal as deemed necessary by SACA.
- 14. CIAL will allow regular and informed on site monitoring by assigned faculty and students in numbers as permitted by CIAL.
- 15. CIAL will provide available facility for the onsite mobility requirements of the monitoring/sampling personnel.
- 16. CIAL will permit direct onsite sampling from the water bodies and the STP facility by personnel of SACA and analysis of the samples at analytical labs at SACA or at any another labs as deemed necessary.
- 17. CIAL will consider permitting Short Term Training Program's (STTP) in environment friendly technologies of CIAL like waste management, biogas technology, and related areas etc. for select students of SACA on dates and duration mutually agreed upon.
- 18. CIAL will share it's expertise to SACA in the areas of waste management and solar power technology.
- 19. SACA would have the flexibility to propose industrial collaboration in seed and feed procurement, processing, marketing etc. for the effective implementation of the different levels of activities associated with farming.

**Costs**

- 20. CIAL will provide consultancy fees to SACA and shall also bear the documented expenses relating to sample analysis of the various samples aimed at assessing/monitoring for improving the area for implementing farming practices. CIAL shall also provide reimbursement of travelling expenses for the scheduled visits of assigned experts to the aquaculture facility. The rates agreed upon are attached as Annexure 1.

**Confidentiality**

- 21. The parties agree that there is no intention to share any confidential or proprietary information in any collaboration under this MoU. If either Party wishes to disclose information it considers to be confidential or proprietary to the other Party, the Party needs to take prior written consent of the other party

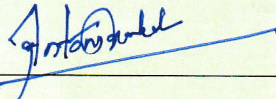


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22. This MoU shall be effective for a period of five (5) years from the date of execution of this agreement, and may be renewed thereafter on mutually agreed terms. Either party may terminate this agreement by giving to the other party six (6) months' notice in advance.

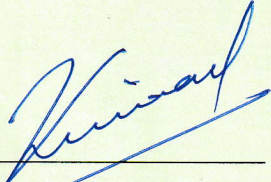
The Parties to this Memorandum of Understanding hereby confirm their agreement to its terms by the following signatures:



Fr. Antony Arackal

Chairman

St. Alberts College Autonomous.

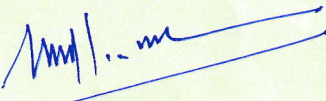


Shri. V.J. KURIAN

Managing Director

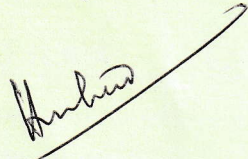
Cochin International Airport Ltd.

Witness 1:




**Dr. M.L. JOSEPH**  
PRINCIPAL  
ST ALBERT'S COLLEGE  
(AUTONOMOUS)  
ERNAKULAM, KOCHI-18

Witness 1:



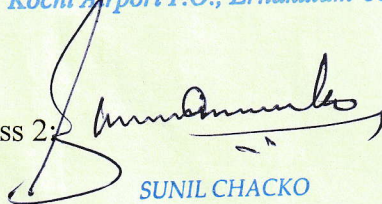
**A.M. SHABEER**  
Executive Director (Engineering)  
Cochin International Airport Limited  
Kochi Airport P.O., Ernakulam-683 111

Witness 2:

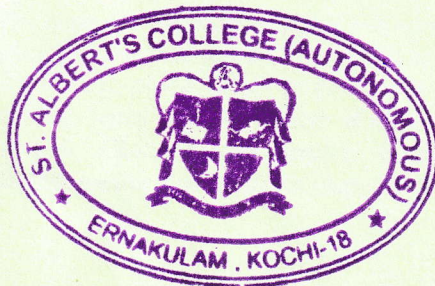


**Dr. AJITH THOMAS JOHN**  
Head of the Department  
Research Department of  
Fisheries & Aquaculture  
St. Albert's College (Autonomous)  
Ernakulam

Witness 2:



**SUNIL CHACKO**  
Chief Financial Officer  
Cochin International Airport Limited  
Kochi Airport P.O., Ernakulam-683 111



### Consulting Fee

The consulting fee that would be charged by SACA for five years are as follows:

Particulars	Year 1	Year 2	Year 3	Year 4	Year 5
Honorarium	5,00,000	4,00,000	4,00,000	4,00,000	4,00,000
Over Head Expenses	1,00,000 <sup>1</sup>	66,000	72,600	79,860	87,846
Contingency (10% of total costs)	78,000	66,400	69,040	71,944	75,138
<b>Grand Total</b> (Exclusive of Visit Charges, Sampling Costs & Lab Charges)	6,78,000	5,32,400	5,41,640	5,51,804	5,62,984
Sampling Costs & Lab Charges <sup>2</sup>	On Actuals & INR 1500/Visit/Person during Visit				
Visits					

<sup>1</sup> The costs of computers, printers and stationary included in year 1, whereas from year 2, the costs of AMC and stationary are considered (10% hike in consecutive years)

<sup>2</sup> During this phase, SACA professionals will be visiting the facility for a minimum of 24 times (is inclusive of sampling visits) and the number of visits can increase as per the need. Sampling costs and lab charges will be borne by CIAL (as per actuals) incurred by SACA and for each visit a Dearness allowance of INR 1500.00/person/visit would be charged.



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