

Memorandum of Understanding

Between

1. Dr. V. T. Joy, Assistant Professor and Head of the Department of Chemistry, Christ College (Autonomous), Irinjalakuda, Phone 9995108034 (**Partner 1**)
2. Fr. Jolly Andrews, Principal-in-Charge, Christ College (Autonomous), Irinjalakuda, Phone: 9495062923 (**Partner 2**)

&

Mr. Venugopan Menon,
Managing Director
Oasis Chemical Materials Trading Co. LLC.
P.O.Box : 6974,
Sharjah – UAE & Owner of GVR Industries, SIDCO Athani Industrial Estate, Perigandoor P.O, Athani, Thrissur, Kerala - India, Pin Code : 680581
Phone: 91-71555490463 (**Partner III**)

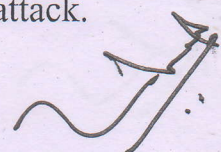
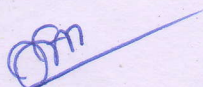
This Memorandum of Understanding (MOU) sets for the terms and understanding between the (partners 1 & 2) and the (partner 3) to make and market solar dryers, cookers.

Background

Solar drying is one of the oldest methods where the product such as vegetables, fruits, seeds, fish, and meat are dried by exposing directly to the sun. It is a simple process of removing the moisture contents from a natural or industrial product in order to reach the standard specification.

This method is economical on a large scale drying because of cheaper operating costs compared to the drying machine. However, this method has many disadvantages like

1. This method is a slow
2. Dust contamination
3. Insect infestation
4. Possible spoilage or loss due to unexpected rain, wind animal attack.



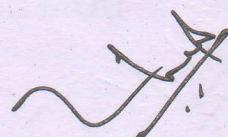
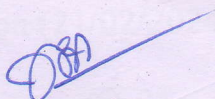
5. Fungi growth

Hence, many people in country are looking for methods for drying agricultural items in a clean, safe, and hygienic conditions to produce better quality and more nutritious foods. In general, a solar dryer ideal for above purpose and it can also save energy and time. Another advantage is that it needs less space for spreading the product to dry, making the process more efficient. Other advantages of solar dryers are

1. UV protection of solar dryers maintains colors and nutrients of fruits and vegetables.
2. Better product quality (color, skin, taste).
3. Productivity increase in terms of labour, energy cost saving.
4. No fuel used for heating and involves zero operational costs.
5. Sunlight is a renewable energy source. Hence no CO_2 is emitted to the atmosphere. This helps to lower the greenhouse effect.
6. If properly maintained has life span in the range 15-25 years

In this context a research team in Chemistry Department of Christ College, Irinjalakuda led by Dr. V. T. Joy, Assistant Professor and Head of the Department, has designed a solar dryer and solar cooker. This can be made from aluminium frames, galvanized iron sheets, etc and picture of solar dryer is given below.

Mr. Venugopan Menon who is the Managing Director of Oasis Chemical Materials Trading Co.LLC., Sharjah, UAE, who possess a building in industrial area, Thrissur (GVR Industries, SIDCO, Athani, thrissur) has agreed to provide above building for making solar dryers and cookers. This MOU is meant for reaching an agreement between Department of Chemistry, Christ College, Irinjalakuda and Mr.Venugopan Menon, GVR Industries, SIDCO Athani Industrial Estate, Perigandoor P.O, Athani, Thrissur, Kerala - India, Pin Code: 680581 for the above purpose.



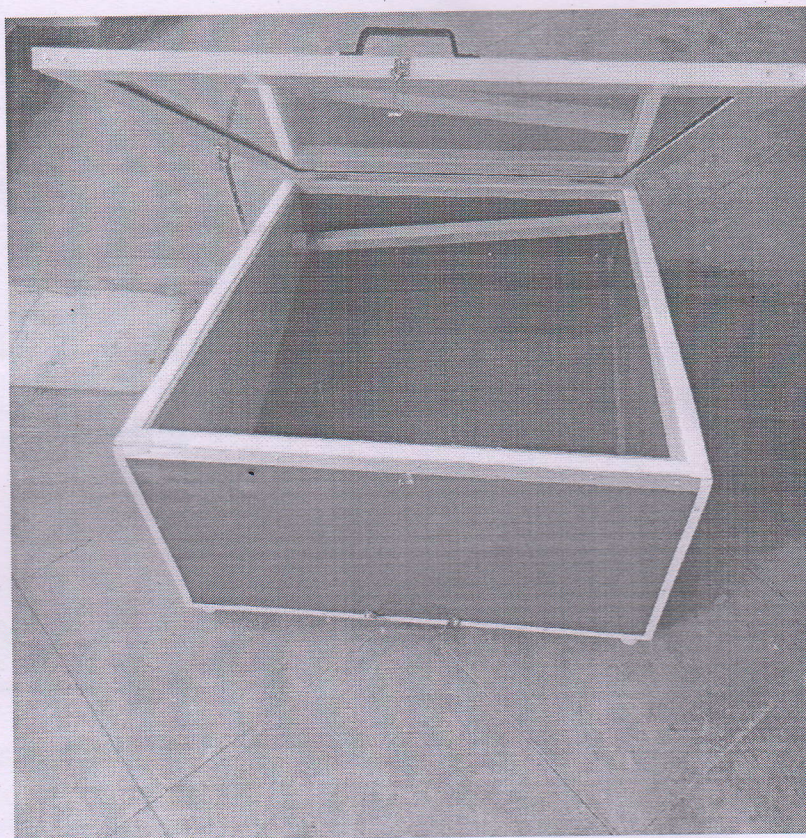


Photo of solar dryer developed by Christ College, Irinjalakuda

Purpose

This MOU will meant to make solar dryers and cookers developed by the Chemistry Department, Christ College, Irinjalakuda in the building, provided by partner 3.

Funding

Partner 3 will provide basic amenities like current, water and equipments needed for the fabrication of solar dryers and cookers. Partner 2 will buy all materials and also arrange necessary workers for the fabrication of solar dryers and cookers.

The profit will be shared equally by Chemistry Department, Christ College, Irinjalakuda with party 3.

Duration

This MOU is at-will and may be modified by mutual consent of partners 1, 2 and 3). This MOU shall become effective upon signature by the authorized officials from the list of partners and will remain in effect until modified or terminated by any one of the partners by mutual consent. In the absence of mutual agreement by the authorized officials from partners 1,2 and 3, this MOU shall end on (21/02/2024).

[Signature]

[Signature]

[Signature]



Date: 22nd February, 2021

(Partner 1 signature)

(Dr. V. T. Joy, Assistant Professor & Head, Dept. Chemistry, Christ College,
Irinjalakuda)
Dr. V. T. Joy
Assistant Professor & Head
Department of Chemistry
Christ College
Irinjalakuda, Pin: 680125

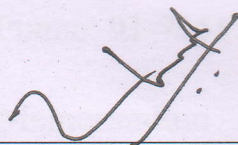


Date: 22nd February, 2021

(Partner 2 signature)

(Rev. Dr. Jolly Andrews, Principal-in-Charge, Christ College, Irinjalakuda)

Assistant Professor-
In-charge of Principal
Christ College (Autonomous)
Irinjalakuda



Date: 22nd February, 2021

(Partner 3 signature)

(Mr. Venugopan Menon, Managing Director, Oasis Chemical Materials Trading Co. LLC., Sharjah – UAE. And owner of GVR Industries, SIDCO Athani Industrial Estate, Perigandoor, P.O, Athani, Thrissur, Kerala)

For M/s. GVR Industries
Place: I.P. Athani, TCR. Di. 680581

For M/s. GVR Industries
Place: I.P. Athani, TCR. Di. 680581

Proprietor