

MEMORANDUM OF UNDERSTANDING (MoU)
BETWEEN
Department of Zoology, S.K.B.R College, Amalapuram
AND
Sri Venkata Rama Raju (SVRR) Shrimp Hatchery, Komaragiripatnam

This MoU is made on the 21st day of April 2014 between the Department of Zoology, S.K.B.R College, Amalapuram represented by its Principal Capt.N.Lakshmana Rao (hereinafter referred to as COLLEGE) on the one part and Sri.A.Suresh Varma, Managing Director of M/S. S.V.R.R Shrimp Hatchery, Komaragiripatnam (hereinafter referred to as the HATCHERY) on the other part *for setting up Aqua Disease Diagnostic laboratory in the hatchery.*

Objectives of MoU

The objectives of MoU are:

1. To promote research and consultancy between College and Hatchery
2. To transfer the technology of shrimp disease diagnosis.
3. To provide consultancy services for setting up Aqua Disease Diagnosis laboratory in the hatchery as per the norms of Coastal Aquaculture Authority (CAA).
4. Sharing of knowledge and expertise between College and Hatchery.

Proposed Modes of Collaboration

College and Hatchery propose to collaborate in the following:

1. Cooperation and promotion of research and training in areas of shrimp pathology.
2. Guidance for establishment of PCR and Microbiology laboratory in the hatchery.
3. Basic training to hatchery technicians in shrimp larval disease diagnosis.

Terms and Conditions

1. The cost of development of research activity at Hatchery should be borne by Hatchery.
2. The travel and other expenses of College faculty members shall be borne by Hatchery.
3. This MoU may be amended, renewed and terminated by mutual written agreement of two parties at any time.
4. Either party shall have the right to terminate this MoU upon 60 days prior written notice to the other party.

Duration of MoU:

This MoU, unless extended by mutual written consent of the two parties, shall expire in THREE years after the effective date specified in the opening paragraph. However, on review, the MoU shall be extended by mutual consent basing on the need of the research programme.

Coordinators:

Both the College and Hatchery will designate persons who will have responsibility for co-ordination and implementation of this agreement.

Signed in Duplicate:

This MoU is executed in duplicate with each copy being an official version and having equal legal validity. By signing below, the College and Hatchery, acting by their duly authorized members, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

Contact Information:

Principal
S.K.B.R College, Amalapuram
E.G District
Andhra Pradesh
Mobile: 9491852666
Email: skbrcamp@yahoo.co.in

Sri. A. Suresh Varma
Managing Director
SVRR Shrimp Hatchery
Komaragiripatnam
E.G District, A.P
Mobile: 9133450000

On behalf of
Dept. of Zoology,
S.K.B.R College, Amalapuram



PRINCIPAL
(Capt. N. Lakshmana Rao)

PRINCIPAL
S. K. B. R. COLLEGE
AMALAPURAM



LIC of Zoology
(Dr. P. V. B. K. R. L. Saibaba)

HEAD OF THE
ZOOLOGY DEPARTMENT
S. K. B. R. COLLEGE
AMALAPURAM

On behalf of
M/S SVRR Hatchery
Komaragiripatnam



MANAGING DIRECTOR
(Sri. A. Suresh Varma)

Sri Venkata Rama Raju Hatcheries,
KOMARAGIRIPATNAM

MoU with Sri Venkata Rama Raju (SVRR) Shrimp Hatchery, Komaragiripatnam, E.G District, A.P

Purpose of MoU: To provide consultancy services for setting up Aqua Disease Diagnosis Laboratory in the hatchery as per the norms of Coastal Aquaculture Authority (CAA)

This MoU is made on the 21st day of April 2014 between the Department of Zoology, S.K.B.R College, Amalapuram represented by its Principal Capt.N.Lakshmana Rao on the one part and Sri.A.Suresh Varma, Managing Director of S.V.R.R Shrimp Hatchery, Komaragiripatnam on the other part *for setting up Aqua Disease Diagnostic laboratory in the hatchery as per the specifications of Coastal Aquaculture Authority (CAA).*

S.V.R.R Hatchery is a coastal shrimp hatchery intended to produce *P. vannamei* seed. As per the directions of CAA, Shrimp hatcheries intended to produce *P. vannamei* seed are required to get registered with CAA and obtain approval of CAA by applying in the prescribed format for import of broodstock of *SPF P. vannamei* from the approved suppliers by paying the prescribed processing fee. As per the norms of CAA one PCR lab is to be established in the hatchery.

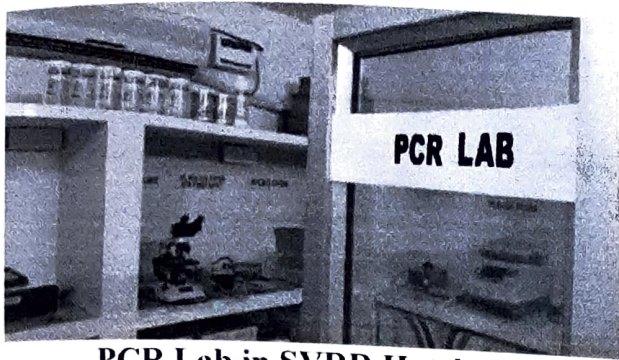
As a part of MoU we have guided the Hatchery operator and processed the application to obtain approval of CAA certificate and extended consultancy *for setting up Aqua Disease Diagnostic laboratory in the hatchery as per the specifications of Coastal Aquaculture Authority (CAA)*. Finally the hatchery was registered with CAA and received approval certificate.



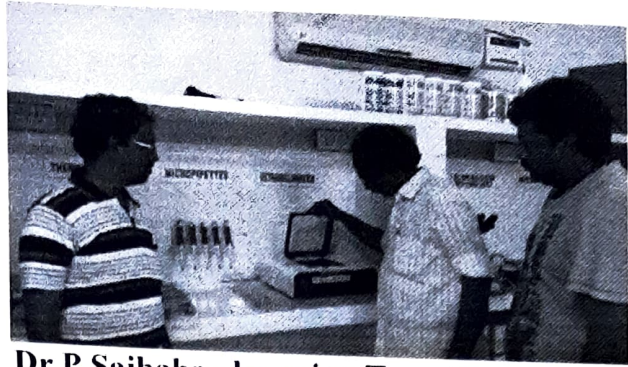
Sri.N.Lakshmana Rao,Principal (Left)
Dr.P.Saibaba (Middle) and
Sri.A.Suresh Varma signed MoU



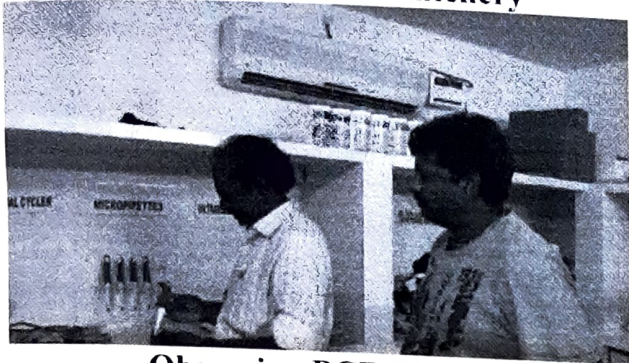
Sri.A.Suresh Varma in Museum



PCR Lab in SVRR Hatchery



Dr.P.Saibaba observing Transilluminator



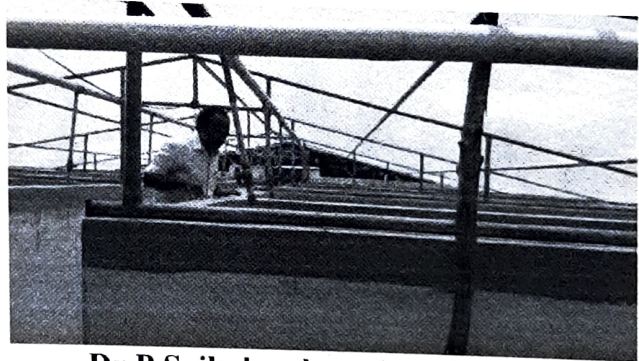
Observing PCR Pipettes



Observing Hot Air Oven



Observing Brine water storage tanks



Dr.P.Saibaba observing PL tanks



भारत सरकार, कृषि मंत्रालय / GOVERNMENT OF INDIA, MINISTRY OF AGRICULTURE
तटीय जलकृषि प्राधिकरण / COASTAL AQUACULTURE AUTHORITY



तटीय जलकृषि हैचरियों का पंजीकरण प्रमाण पत्र
CERTIFICATE OF REGISTRATION OF COASTAL AQUA HATCHERY

तटीय जलकृषि प्राधिकरण अधिनियम 2005 की धारा 13 और तटीय जलकृषि प्राधिकरण नियमावली 2005 के नियम 11 के अधीन
Under Section 13 of Coastal Aquaculture Authority Act, 2005 and Rule 11 of Coastal Aquaculture Authority Rules, 2005.
पंजीकरण संख्या / Reg. No. **56 - 3(247) /2015** तारीख / Dated : **20-OCT-2015**

श्री / श्रीमति / सुश्री पुत्र / पुत्री / पत्नी
स्थित का तटीय जलकृषि हैचरी दिनांक

की संख्या द्वारा तटीय जलकृषि प्राधिकरण द्वारा पंजीकरण तिथि से पाँच साल के लिए पंजीकरण किया जाता है !

M/S.SRI VENKATARAMARAJU HATCHERIES

The coastal aqua hatchery of

KOMARAGIRIPATNAM, ALLAVARAM MANDAL, EAST GODAVARI - 533 210.

KOMARAGIRIPATNAM VILLAGE, EAST GODAVARI DISTRICT.

situated at

is registered by the Coastal Aquaculture Authority vide No. **56 - 3(247) /2015**
20-OCT-2015 Five

dated for a period of years from the date of registration.

यूनिटों का विवरण तथा अनुपालन की जानेवाली तकनीकी / DETAILS OF UNIT AND TECHNOLOGY TO BE FOLLOWED

1. हैचरी का स्थान / Location of the Hatchery :

राज्य / State	जिला / District	ताल्लुक / मंडल / Taluk / Mandal	रेविन्यू गांव / Revenue village
ANDHRA PRADESH	EAST GODAVARI	ALLAVARAM	KOMARAGIRIPATNAM

599/1, 599/2

2. सर्वेक्षण संख्या / Survey Numbers :

5, 706.2 sq.m

1. हैचरी का क्षेत्रफल / Area of the Hatchery :
100 MILLION

2. जल प्रसार का कुल क्षेत्रफल / Production Capacity / Annum :
SPF LITOPENAEUS VANNAMEI

3. पालन की जाने वाली प्रजातियां / Species to be Produced :

स्थान / Place : **CHENNAI**
दिनांक / Date : **20-OCT-2015**



(Handwritten Signature)

(अधिकृत हस्ताक्षर कर्ता / Authorised Signatory)

COASTAL AQUACULTURE AUTHORITY

Government of India

Shaastri Bhavan Annexe, 26, Haddows Road, Chennai-600006

Application for Registration and permission to Import of Broodstock and to produce and sell post larvae of SPF *Litopenaeus vannamei* in Hatchery

(See Class 1. of Part I of Annexure II of CAA Rules, 2005)

1.	Name & Address of the Applicant(s) in full (in BLOCK LETTERS with permanent address) with Telephone / mobile no., Fax & E-mail	ALLURI SURESH VARMA KOMARAGIRIPATNAM - 533210 ALLAVARAM MANDAL EAST GODAVARI DISTRICT ANDHRA PRADESH MOBILE: 9133450000 Email: sureshvarma227@gmail
2.	Status of the Hatchery (Government/Society/Public Ltd./Private/Proprietary/ Partnership)	private Sri Venkata Rama Raju Hatcheries
3.	Location of the Hatchery (Complete postal address with Village, District, State) and survey no(s).	Komaragiri Patnam - 533210 Allavaram mandal; E. G. St: A.P survey nos: 599/1; 599/2
4.	Total extent of the hatchery site (in sq.m.)	5,706.2 sq. m
5.	The exact distance from HTL (in m)	50 mts
6.	Whether owned or leased, with document to support	owned Document attached
7.	If on lease, specify the lease period and also attach copy of the lease deed	---
8.	Infrastructure available at the hatchery	
	Physical Facilities	Capacity
	A. Seawater intake system	70,000 ltr/day
	Seawater required/day :	5 HP x 2 nos
	No. and capacity of the pump :	SSF = 2; RSF = 2; Cartridge: (1 micron -) 0.5 micron -/ 0.25 micron -)
	Filtration system and number of pressure sand filter installed (state no. of SSF, RSF & cartridge filters) :	1 x 6 lamps; 1 x 12 lamps
	UV sterilization (No. of lamps) :	4 nos
	No. of storage tanks :	10,000 ltr/each
	Capacity of each storage tank :	6 x 60,000 ltr/each
	No. of chlorination tanks and capacity :	6 x 60,000 ltr/each
	No. of sedimentation tanks and capacity :	

B. Freshwater intake system

Pumps :

HDPE/cement overhead tank :

3 HP x 1

cement overhead tank

C. Maturation / spawning

No. of maturation tanks :

Capacity of each tank :

4 Nos

25,000 lits/each

No. of spawning/hatching tanks (whether cement or FRP, if so, details) :

cement = 4 x 4,000 lits/each

Capacity of each tank :

FRP = 7 x 2,000 lits/each

FRP = 8 x 1,000 lits/each

D. Larval rearing

(i) No. of larval rearing tanks :

32 nos + 32 nos

(ii) No. and capacity of Early larval rearing tanks :

32 x 9,000 lits/each

(iii) No. and capacity Post-larval rearing tanks :

32 x 9,000 lits/each

E. Live Feed culture Facilities

No. and capacity of Indoor algal culture tanks (FRP) :

FRP: 15 x 20 lits ; 10 x 50 lits

No. and capacity of Outdoor tanks :

cement tanks = 16 x 10,000 lits

No. and capacity of artemia hatching tanks (FRP) :

18 x 500 lits/each

F. Feed / storage facility for broodstock & PL:

Broodstock - 1

PL - 1

G. Common facilities

No. and capacity (in KVA) of Generators :

160KV=1; 75KV=1; 62.5KV=1

No. and capacity (in HP) of Air blower/compressor :

4 x 7.5HP; 5 x 5.0HP; 3 x 3.0 HP

Staff quarters :

4 Nos

Office buildings :

2 Nos

H. Hatchery Laboratory

Lab equipments:

PCR and its related accessories:

Balance:

Glassware:

Airconditioning:

Deep freezer:

Other items:

(Testing kits / facilities available for screening Pathogens of *L. vannamei*)

Incinerator:

Listed in Annexure - 1

9.	Species produced at present, if any in the hatchery	- NO -
10.	Installed capacity and utilization (million / anum)	100 million

11.	Statement of anticipated annual production indicating production of nauplii; survival rate; and PL	60%
12.	Has the hatchery been flooded during the past 5 Years	- NO -
13.	Whether the following Bio-security arrangements are available in the Hatchery (i) Peripheral Fencing : (ii) Physical separation of the sections : (iii) Shower and Change room : (iv) Vehicle dip : (v) Foot bath : (vi) Hand wash :	Yes Yes Yes Yes Yes Yes
14.	Give details of the Effluent Treatment System in the Hatchery complex	3 X 70,000 lits/each
15.	No. of qualified technical personnel employed, their names and qualifications.	Listed in Annexure - 2

Place: Komaragiriapatnam

Date:

A. S. Vaema

Signature of the Applicant

Name: Alluri Suresh Varma

Address: Komaragiriapatnam (OPP)
Allavaram mandal
D.G. dt PIN-533210.

Ph- 9133450000

A.P
India

Note: 1. A layout of the hatchery and necessary approvals of local bodies such as the Village Panchayat, or any other competent Authority of State Government etc. should be submitted along with this application.

2. The applicants are bound to disclose all materials truths in the application form relating to the hatchery without any suppression. Whenever Authority has found any information furnished by the Applicant is incorrect or not true which would venter summary rejection of Application.

ANNEXURE-I

List of PCR Equipment

S.No Name of the Equipment

1. Thermocycler
2. UV Transilluminator
3. Micro-Cooling Centrifuge
4. Micropipettes
5. Laminar flow hood
6. Electronic Balance
7. Autoclave
8. Micro oven
9. Electrophoresis with power unit
10. Deep freezer
11. PH Meter
12. UPS
13. Microscope
14. Air Conditioner
15. Vortex Mixer
16. PCR Kits
17. Hot Plate
18. Incubator
19. Incinerator
20. Micro tips
21. Centrifuge tubes
22. Glassware

तटीय जलकृषि प्राधिकरण
कृषि मंत्रालय
भारत सरकार

COASTAL AQUACULTURE AUTHORITY
Ministry of Agriculture
Government of India



जी डी आर टवर, 12-ए, भारति स्ट्रीट,
वानुवांपेट, मडिपाक्कम पी.आ.,
चेन्नई - 600 091, तमिलनाडु, भारत.
GDR Tower, 12-A, Bharathi Street,
Vanuvampettai, Madipakkam P.O.,
Chennai - 600 091. Tamilnadu, India.
दूरभाष / Phone : +91 44 2260 3784
फेक्स / Fax (TF): +91 44 2260 3783 / 2260 3502
ई-मेल / E-mail : aquaauth@vsnl.net/aquaauth@gmail.com
वेबसाइट/website : http://www.caa.gov.in

F.No. 56-3/2014 Tech (INSP)

Date: 15.09.2015

To

M/s. Sri Venkataramaraju Hatcheries
Komaragiripatnam,
Allavaram Mandal,
East Godavari- 533 210

Sir,


Sub: Permission to import broodstock and seed production of SPF *L. vannamei*- Inspection of hatchery-Reg.

Kindly refer to your application for permission to import broodstock and seed production of SPF *L.vannamei*/ construction of new shrimp hatchery. In this regard, a committee constituted by Coastal Aquaculture Authority will be inspecting your hatchery located at Komaragiripatnam Village, Allavaram Mandal, East Godavari District to ascertain the suitability of your hatchery on 29/30.09.2015/ 01.10.2015

Therefore, you are requested to be ready in all aspects to appraise the committee. You are also informed to be in touch with Shri S. Mani, Asst.Director(Tech), CAA (Mobile No.94451 99908), for further information.

This is for your information.

Yours Faithfully,


(R. Jayaraman)
Director (Tech)

तटीय जलकृषि प्राधिकरण
कृषि मंत्रालय
भारत सरकार

COASTAL AQUACULTURE AUTHORITY
Ministry of Agriculture
Government of India



दूसरी मंजिल, शास्त्री भवन अनेक्स
सं.26, हड्डोस रोड, चेन्नै-600 006
तमिलनाडु, भारत

2nd Floor, Shastri Bhavan Annexe
No.26, Haddows Road, Chennai - 600 006
Tamil Nadu, INDIA.

दूरभाष / Phone : +91 44 2821 3785
फेक्स / Fax : +91 44 2821 6552, 2825 0956
ईमेल / e-mail : aquaauth@vsnl.net, aquvaauth@bsnl.in
वेबसाइट / Website : http://www.caa.gov.in

F.No. 56-5(84)/2014 Tech (INSP)

Date: 05.03.2015

To

M/s. Sri Venkataramaraju Hatcheries
Komaragiripatnam,
AllavaramMandal,
East Godavari District
Andhra Pradesh-533 210
Sir,

Sub: Submission of applications for obtaining permission for construction of new shrimp hatchery and to import broodstock of SPF *L.vannamei* and its seed production – Reg.

Ref: Your application received dated 31.12.2014

Kindly refer to your application for obtaining permission for construction of new shrimp hatchery. In this connection, I am directed to ask you to furnish the present status of your hatchery. Hence, you are requested to submit the present condition of your hatchery construction to CAA so as to enable us to take further action in this regard.

Yours Faithfully,

(S.Manu)
Asst. Director (Tech)

तटीय जलकृषि प्राधिकरण
कृषि मंत्रालय
भारत सरकार

COASTAL AQUACULTURE AUTHORITY
Ministry of Agriculture
Government of India
F.No. 56-5/2014 Tech



दूसरी मंजिल, शास्त्री भवन अनेक्स
सं.26, हड्डोस रोड, चेन्नै-600 006
तमिलनाडु, भारत

2nd Floor, Shastri Bhavan Annexe
No.26, Haddows Road, Chennai - 600 006
Tamil Nadu, INDIA.

दूरभाष / Phone : +91 44 2821 3785

फेक्स / Fax : +91 44 2821 6552, 2825 0956

ईमेल / e-mail : aquaauth@vsnl.net, aquvaauth@bsnl.in

वेबसाइट / Website : http://www.caa.gov.in

Date: 11.12.2014

To
M/s. Sri Venkata Rama Raju Hatcheries
Komaragiripatnam,
Allavaram Mandal,
East Godavari,
Andhra Pradesh-533210

Sir,

**Sub: Application for obtaining permission for construction of new
shrimp hatchery – Reg.**

Ref: Your application received dated 4.12.2014

With reference to the above, I am directed to inform that as per the public notice of CAA dated 9th July 2014, the hatchery entrepreneurs/ operators who are intend to establish new shrimp hatcheries in coastal area should obtain prior approval from CAA before initiating the construction. Whereas, you have applied in the old format and sought permission for import of brood stock. In view of the above, we unable to process your application and the application is return back to you.

So, you are requested to submit your proposal in the new format of application which is available in our website www.caa.gov.in along with the necessary documents to CAA to take further action in this regard.

Yours Faithfully,

(S. Mani)

Asst. Director (Tech)

Encl: Application with original Demand Draft

तटीय जलकृषि प्राधिकरण
कृषि एवं किसान कल्याण मंत्रालय
भारत सरकार

COASTAL AQUACULTURE AUTHORITY
Ministry of Agriculture and Farmers Welfare
Government of India



सत्यमेव जयते

जी डी आर टवर, 12-ए, भारती स्ट्रीट,
वानुवांपेट, मडिपाक्कम पी.आ.,
चेन्नई - 600 091, तमिलनाडु, भारत.

GDR Tower, 12-A, Bharathi Street,
Vanuvampettai, Madipakkam P.O.,
Chennai - 600 091. Tamilnadu, India.

दूरभाष / Phone : +91 44 2260 3784

फैक्स / Fax (TF): +91 44 2260 3783 / 2260 3502

ई-मेल / E-mail : aquaauth@vsnl.net/aquaauth@gmail.com

वेबसाइट/website : http://www.caa.gov.in



Permit No. 56-3(247)/2015

Dated the 28th March, 2016

**ANNUAL ALLOCATION OF SPF L. VANNAMEI BROODSTOCK FOR THE PERIOD
01.04.2016 TO 31.03.2020**

As per the decisions taken by the Authority in its 57th Meeting and in accordance with the provisions contained in the Guidelines for import of broodstock of SPF *L. vannamei*, **Permission** is hereby granted to M/s. **Sri Venkataramaraju Hatcheries**, in respect of their Hatchery located in **599/1 & 599/2** Survey Number(s) in an extent of **5,706.2 sq.m.** at **Komaragiripatnam Village, Allavaram Mandal, East Godavari District, Andhra Pradesh** to import **2,400 nos. of SPF L. vannamei brood stock per annum** for the period of 01.04.2016 to 31.03.2020, subject to the terms and conditions which is annexed to this Allocation order. This Annual allocation is valid up to **31st March, 2020**. The hatchery has to strictly follow the Guidelines issued under the CAA Rules and Notifications for the SPF *L. vannamei* seed production and any infringement is liable to result in punitive actions including revocation of Bank Guarantee and cancellation of Registration.

(P. Ravichandran)
Member Secretary