



पूर्वोत्तर क्षेत्रीय जल और भूमि प्रबंधन संस्थान  
NORTH EASTERN REGIONAL INSTITUTE OF WATER AND LAND MANAGEMENT  
(जल संसाधन, नदी विकास और गंगा कायाकल्प विभाग, जल शक्ति मंत्रालय, भारत सरकार के अधीन एक संस्थान)  
(An Institute under the Department of Water Resources, River Development and Ganga Rejuvenation,  
Ministry of Jal Shakti, Govt. of India)

No. NRWM/Res/79/2018-19/ 811

Date: 18.05.2022

NOTICE INVITING Eol ( Expression of Interest)

Eol ( Technical and Financial) are invited by the Director, NERIWALM, Dolabari, Tezpur- 784027, Assam from appropriate registered firms/ entrepreneur/ individual having experience in similar work as given below. The Eol will be opened in the conference hall of the institute in presence of the tenderer or their authorized representatives, if any.

The Eol along with terms and conditions may be viewed and downloaded from the institute's website [www.neriwalm.gov.in](http://www.neriwalm.gov.in). Interested bidder may visit the website for participation in the Eol from 19.06.2022 ( 11.00 am) onwards.

Sl. No.	Name of work	Quotation/ participation fee ( non-refundable)	Last date of submission of Eol ( Technical & Financial)	Date of opening the Eol
01	Public- Private Participation ( PPP) of microbiology laboratory of NERIWALM for Mushroom Spawn production	Nil	13.06.2022 ( 6.00 PM)	14.06.2022 ( 03.00 PM)

Eol will be opened on working day only. Director, NERIWALM reserves the right to accept or reject any or all the Eol without assigning any reason thereof. Eol documents may please be read thoroughly before filling the tender.

*Bohara*  
18/05/2022  
Deputy Director ( Admin.)

NERIWALM

Copy to:

- PS to the Director, NERIWALM for Director's kind information.
- Chief Vigilance Officer, NERIWALM.
- Accounts Officer, NERIWALM for information and necessary action.
- Assistant professor ( Agri.) & O.C. SWTL, NERIWALM.
- Assistant Engineer ( Civil) & O.C. Store, NERIWALM for information and necessary action.
- Technical Assistant, NERIWALM for information and he is requested to maintain the record of advertisement published in the Assam Tribune.
- Notice Board, NERIWALM for wide circulation.
- NERIWALM Website: [www.neriwalm.gov.in](http://www.neriwalm.gov.in) for publishing .





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(जलसंसाधन, नदीविकासऔरगंगाकायाकल्पविभाग, जलशक्तिमंत्रालय,  
भारतसरकारकेअधीनएकसंस्थान)  
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No. NRWM/ Res/79/2018-19/

Date: 18.05.2022

**Expression of Interest ( EoI)**  
FOR SELECTION OF PUBLIC- PRIVATE PARTICIPATION ( PPP) OF MICROBIOLOGY  
LABORATORY OF NERIWALM FOR MUSHROOM SPAWN PRODUCTION

NERIWALM invites expression of Interest for selection of public- private participation of microbiology laboratory of NERIWALM for mushroom spawn production as per Annexure- I and Annexure-II.

**General information about the EoI**

**Last date and time of submission of EoI: 13.06.2022, 18.00 hr.**

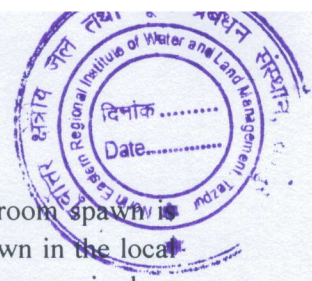
**Date and time of opening of EoI: 14.06.2022, 15.00 hrs.**

After evaluation, the successful bidder will be informed on a later date.

**Background:** It has been realised part of the NERIWALM laboratory may be utilised for development of entrepreneurship for unemployed youths in land and water management sector for agriculture development. Hence, it is proposed to run the microbiology laboratory under public-private partnership initiative for mushroom spawn production.

**Selected enterprise for PPP participation:** High protein Mushroom is a very common food crop amongst the populations across NE region. In view of productive water management in agriculture sector, production of mushroom finds a growing relevance in terms of its less water and land requirement attributes. Mushroom is an excellent example of vertical farming. Although, a huge majority of the North Eastern population takes mushroom in their diets, they are mostly wild and bears health concerns due to presence of highly toxic neurotoxin called as amanitin. As such, NERIWALM includes training on edible mushroom production. Sourcing of mushroom seeds for the farmers is yet another major problem, for which mushroom farmers have been facing a major challenge for quite a long time.

NERIWALM desires to use the existing microbiology laboratory to produce the proper mushroom seeds for the benefit of farmers in a PPP mode. The private participant will produce the mushroom seeds and NERIWALM will give the supportive training for mushroom production to farmers, so that farmers will be able to find a single stop solution both for mushroom seeds and production practices. This proposal desires to include private participation in a win-win situation.



**Economics of Mushroom spawn production laboratory in PPP mode:** The mushroom spawn is sold presently at Rs. 30.00 per 250 gm. The present sale value of 1 kg mushroom spawn in the local market at present is Rs. 120.00. The break-up of production cost and benefit is summarised as followed as per present value of inputs for a spawn production capacity of tentatively 50 kg/ day, initially. The economics will vary according to production capacity and accordingly, the earnings by entrepreneur and NERIWALM will change.

Sl. No	Item	Rate ( Rs.) per kg	Rate per 1500 kg spawn/ month
01	Growing media	25.00	37500.00
02	Labour charge & Misc. for preparation, inoculation, incubation etc.	25.00	37500.00
03	LP Gas cost	26.00	39000.00
04	Electricity charge	4.00	6000.00
05	Packaging & transportation cost	20.00	30000.00
06	Producer's benefit	19.00	28500.00
07	NERIWALM's benefit	a) 4871.00 ( rental charge only)	4871.00
		b) 1.00 ( per kg spawn)	1500.00

**Sharing of income between entrepreneur and NERIWALM:**

The sharing of income from mushroom spawn production may be made at spawn sale per kg basis. Hence, as per cost benefit analysis of spawn production, entrepreneur will get Rs. 19.00 and NERIWALM will receive Rs. 1.00 per kg of mushroom spawn sale. A tentative analysis of sharing of income between the entrepreneur and NERIWALM has been made keeping in view that the spawn production volume, initially, is 50 kg/ day.

Sl. No.	Spawn volume ( kg/ month)	Rate of sale ( Rs./ kg)	Tentative Total amount ( Rs.) earning by entrepreneur per month	Tentative profit ( Rs.) by entrepreneur per month	Tentative earning by NERIWALM per month ( Rs.)	
					Rental charge of equipment and laboratory space	Revenue earned @ Rs. 1.00 per kg of spawn production
01	1500	120.00	1,80,000.00	28,500.00	4871.00	1500.00

The proposed earning of Rs. 6371.00 per month by NERIWALM is projected on the basis of rental value of laboratory equipments and laboratory space and revenue earned @ Rs. 1.00 per kg of spawn . Hence, the proposal is found to be feasible for running the enterprise on PPP mode (self-financed) with no financial liability on NERIWALM for operating the PPP participation on recurring basis. Further, the sharing of income will be based on yearly review of input and man power cost and as per

prevailing rate of spawn in the market approved by a committee comprised of Director, NERIWALM, faculties of NERIWALM and entrepreneur.

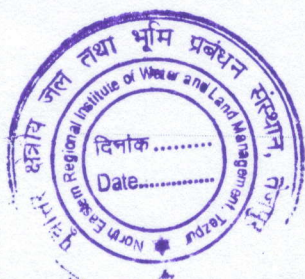
**Liabilities with NERIWALM:** NERIWALM will provide the infrastructure such as laboratory space, equipments, electrical arrangements, sinks, water connections etc. to the entrepreneur for mushroom spawn production. Maintenance of the equipments and purchase of new equipments will be borne by NERIWALM, for up keeping the laboratory, if need arises. NERIWALM, will bear the right to discontinue the PPP agreement with the entrepreneur, at any time, if entrepreneur violates the terms and conditions of agreement or if the allotted laboratory space is required for extension of NERIWALM's activities.

**Liabilities with entrepreneur:** All other charges including electrical charge, GST and other taxes etc. for production and sale of mushroom spawn have to be borne by the entrepreneur. The entrepreneur has the responsibility of maintaining cleanliness and order of the laboratory space. Any expenditure associated with breakage or mishandling of instruments will have to be borne by the entrepreneur. The entrepreneur has to arrange man power, all the glass and plastic wares, racks, packaging materials etc. for its day to day operation. In addition to spawn production, Entrepreneur will assist the trainees in the training programmes of NERIWALM on mushroom production on remuneration per class basis as per institute's approved rate.

**Conclusion:** The proposed framework for running the microbiology laboratory on PPP mode will strengthen the start-up policy of the government and augment the entrepreneurship development in the region particularly in the land and water management sector. The PPP participation will strengthen the training activities of NERIWALM with less liability on man power recruitment and financial involvement thereon. The trainees will be able to get one stop solution on mushroom production training and spawn supply with ease. This will also enhance the academia- industry tie up in the changing academic and development paradigm.

#### Eligibility conditions

- A. The selection criteria of entrepreneur/ firms for public- private participation of microbiology laboratory of NERIWALM for mushroom spawn production would be based on:
1. Atleast five year experience in mushroom spawn/ mushroom production.
  2. Experience in social transformation work through mushroom cultivation will be preferred.
  3. Valid Firm registration certificate/ license etc.
  4. Audited account statement for last three years.
  5. Undertaking of not being black listed by any govt. agency/ department.
  6. List of clients presently being served preferably in Assam/ NE India with contract name and address with mobile nos.
  7. Bank detail on letter head along with cancelled cheque.
  8. Undertaking stating the acceptance of all the terms and conditions of this EoI document.
- B. Besides the bidder shall fulfil the eligibility criteria, which shall be supported by necessary documents as per Annexure-I and Annexure-II.





### Instructions:

1. There is no EoI participation fee.

The original copies of the EoI should be deposited/ submitted/ reach the office of the undersigned before opening of the bids in an envelope superscribed as “**Expression of Interest ( EoI)** for selection of public- private participation ( ppp) of microbiology laboratory of neriwalm for mushroom spawn production, No. NRWM/ Res/79/2018-19/..... dated 18.05.2022” addressed to the Director, NERIWALM, Dolabari, Tezpur-784027. Failure to do so may result in rejection of the bid.

2. NERIWALM will select suitable entrepreneur/ firm based on the eligibility criteria and other terms & conditions mentioned above for a period of 03 (three) years.
3. The decision of NERIWALM authority on both the selection and award of specific order will be final and no queries or appeal for review will be entertained.
4. NERIWALM reserves the right to cancel the selection at any time without assigning any reason, whatsoever.
5. Entrepreneur/ firm, once selected, shall have to promptly reply to all the enquiries, execute orders as per order terms of NERIWALM.
6. Performance of the Entrepreneur/ firm will be reviewed periodically ( atleast once in a year) and for those whose services are not satisfactory, NERIWALM reserves the right to continue/ discontinue the PPP mode of participation with the Entrepreneur/ firm based on periodical review. Further, non-compliance of the terms and conditions mentioned in the order(s) may lead to blacklisting of the supplier(s) and would be deemed to have defaulted the Bid Security Declaration.
7. NERIWALM shall not have any obligation to award work compulsorily to selected entrepreneur/ firm.
8. During the period of PPP, the selected Entrepreneur/ firm shall not assign or sublet their rights and benefits under this agreement.
9. Proposal received late, received via other means and not conforming to the above conditions or not complete in all respects, will summarily be rejected.
10. Payment will be made after satisfactory execution of order as per terms and conditions of the supply order.

### Terms and conditions:

1. **Validity of PPP Contract:** The period of PPP contract shall initially be for a period of one year with effect from date of issue of contract order and is extendable on year to year basis on satisfactory performance, under the same terms and conditions or with such amendments as may be mutually agreed to, and also subject to the necessary approval of the Competent Authority for two more years. The entire period of contract shall not exceed three years, unless otherwise required.
2. Prices quoted should be in Indian Rupees only.
3. **Conditional EOIs not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the firms. Conditional EOIs shall not be accepted on any ground and shall be rejected straightway. Conditions mentioned in the EOIs submitted by vendors will not be binding on NERIWALM, Tezpur.
4. **Enquiry during the course of evaluation not allowed:** No enquiry from the firm(s) shall be entertained during the course of evaluation of the EOIs till final decision is conveyed to the successful firm(s). However, the Institute Authorities may make enquiries/seek clarification from the firm(s). In such a case, the firm(s) must extend full co-operation. The firm(s) may also be asked to produce samples or arrange demonstration of the offered items, in a short period of notice.

5. Termination for default: Default is said to have occurred if the entrepreneur/ firm fails to abide by the terms and conditions. Under the above circumstances NERIWALM, Tezpur may terminate the contract order in whole or in part. In addition to the above, NERIWALM may at its discretion also take the following actions.
6. Applicable Law: a) The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Tezpur / India only. b) Any dispute arising out of this contract shall be referred to the Director, NERIWALM, Tezpur, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.



## ANNEXURE -I

## COMPLIANCE CERTIFICATE- Technical (To be enclosed along with the Quotation)

Category	Particulars	Bidders to indicate their willingness for selection for the particular category in "Yes" or "No"
01	Payment term agreed	
02	Authorized Dealership / distributorship certificate (in case of dealers/agents) provided ( if any)	
03	Manufacturer certificate provided (if applicable)	
04	Applicable law terms agreed	
05	Copies of spawn/ mushroom supply orders issued by Institutes/ organizations etc submitted ( If any)	
06	GST Certificate provided ( if any)	
07	Distributorship Certificate (if applicable) provided	
08	Undertaking of non-debarment Bidder shall submit an undertaking stating that they have not been debarred for participation in any PSU/ Govt. tender	
09	Valid License/ Firm registration certificate ( if any)	

Signature with Seal:.....

Name of Supplier/Firm: .....



## ANNEXURE -II

COMPLIANCE CERTIFICATE- financial (To be enclosed along with the Quotation)

Sl. No.	Particulars	Amount ( Rs.)	Remark	Bidders to indicate their willingness for selection for the particular category in " Yes" or " No"
(I)	COST OF EQUIPMENTS PER HOUR (analysed as below)			
1.	On NERIWALM's floor price ( inclusive taxes)	265525.00	A	
2	Salvage value of the equipments ( 10% of A)	26525.00	B	
3	Annual cost:			
	(i) Annual depreciation = ( initial price-salvage value)/ 10 years	23897.25	Considering 10 years as the life of the instrument	
	(ii) Annual repair & maintenance cost @ 3% on ( A)	5310.50		
4	Total fixed cost of the equipments per year= Total of 3 ( i + ii)	29207.75	C	
5	Minimum fixed cost per month = ( C/12)	2433.98	D	
6	Add: ( i) Operator's wages ( operator's own)	0.00	E	
7	Grand total cost of equipments & Operator ( D + E) per month	2433.98	F	
8	Cost of equipment & operator per day ( F/30)	81.13	G	
9	So, Cost per hour ( G/8)	10.14	H	
(II)	(i) Electricity charge ( separate bill shall be prepared by operator)	0.00		
(III)	Total cost of equipments	10.14	I	
	Add: Institute's charge @ 15% of P	1.52		
(IV)	So, total charge of the equipment per hour	11.66		
	Say	12.00		
	Charge for operating 2 hrs of all the equipments	24.00		
	<b>Total charge for operating 2 X 26 = 52 hrs in a month</b>	<b>1248.00</b>	<b>J</b>	
	<b>Fair rent of laboratory space</b>	<b>3623.00</b>	<b>K</b>	
	<b>TOTAL RENTAL CHARGE FOR ALL THE EQUIPMENTS AND LABORATORY SPACE ( J + K)</b>	<b>4871.00</b>		

Signature with Seal:.....

Name of Supplier/Firm: .....

Address.....

Phone/ Mobile No. ....

Email .....

Date .....

