

CSIR Integrated Skill Initiative on Seaweeds Cultivation and Field Demonstration







CSIR-CSMCRI

Marine Algal Research Station (MARS), Mandapam, Tamilnadu.

Skill India mission was launched by the honorable Prime Minister in 2015 to train over 40 cores of fellow Indian citizens targeting unemployed youth and underprivileged sectors enabling real skill development with different industry-relevant by 2022 to mitigate empowerment through poverty, socio-economic streamlined institutions. CSIR-CSMCRI is proposing to begin the skill India mission under CSIR'S integrative skill India program. The main objective of the program is to promote skilling force on seaweed cultivation employing technology developed and encourage the appropriate entrepreneurship development on seaweed-based activity to the aspirants. This focused endeavor will bring to the public domain more visibility on the societal interest of CSIR-CSMCRI. It greatly encourages sea farming and enhances the biomass productivity of seaweeds for industrial requirements. Dissemination and popularization of the seaweed-based activity through this program may cause for exploration of new products which precious to humankind.

Decades of tradition, seaweeds are being used for humankind. But the utility and the importance of their usage are not familiar among the people. Very limited individuals know the application of the products made from seaweeds. But in general, the routine life in every individual has unknowingly utilized the products which obtained from seaweeds of various categories. In the future, there will be potential scope for seaweed-based products to be utilized and thus the demand for seaweed biomass production will significantly increase. Owing to this proposed attempt on seaweed training the fact, under CSIR'S integrative skill India program will ensure to reach out to the people about the seaweed. Seaweed farming is the most important aspect that not only the scope for fulfilling the demand but greatly complements its natural resource conservation. Since seaweed farming is often related to the seacoast and apt to the coastal community for employment scope. Many Asian countries, like the Philippines, Indonesia, and Malaysia have reached the advancement in terms of production through cultivation.

Indian Territory is moderately covered with a coastal line of about 7500 km long which falls under various latitude lines determines the climate suit for various seaweed farming. Therefore, the Indian coastline in the future can potentially be utilized for wealth creation through diversified seaweed farming as compared to other Asian countries. The training opportunity under this program will help to acquire knowledge to the beginners on basic ideas that key to the success of seaweed farming.

CSIR-CSMCRI is a leading institution in developing technology for seaweed cultivation for more than four decades that helped the nation to explore the marine algae for domestic utilization. The present scenario to organize the program is mainly due to the successful commercial cultivation of Kappaphycus seaweed in Tamil Nadu that every maritime state of India anticipates adapting similar practice for the coastal employment opportunity. Few more technology for other seaweeds of commercial importance is ready to be licensed. Our institute is not only expertise in production of seaweed biomass through cultivation, but it has also involved in transforming the technological achievements to common people through training since last five years. The Marine Algal Research Station a unit of CSIR-CSMCRI located at Mandapam in Tamil Nadu trained more than 2000 participants on seaweed farming. It organizes various training programs on seaweed farming with the sponsorship of CSIR and NFDB, Hyderabad. Mostly, the women group benefited, and the capacity built through training is ensured with an income of Rs. 15,000 per month by farming. This unit is focusing R&D on exploring newer species for commercial utility and attempting to develop cultivation technology for the same species. The reported marine algal species on the Indian coast is about 800 numbers belonged to the group of Green, Red, and Brown algae. Technology developed for cultivation has mostly belonged to red seaweeds. The training opportunity under this "Skill India" mission will create innovative ideas for the participants especially the youngsters to nurture the Indian seaweed sector.

The program is scheduled as regular physical mode and thus the participants are requested to arrive at the venue Marine Algal Research Station (MARS) Mandapam, en routing Rameswaram Tamilnadu, despite the Covid-19 pandemic is not over yet. However, the organizers are prepared to adhere strictly to the regulations necessary for the present pandemic situation. The physical mode of lectures on the topics concern delivers by the highly experienced professional working on seaweed cultivation and field-related activity. The training program is designed a manner to enable the aspirants to quickly realize the basics and various methods adopted for commercial cultivation of seaweeds in a shorter period of three days. Each day there will be a theory class and direct field demonstration of seaweed cultivation of few important types of seaweed. The students from post-graduation, research scholars assigned in an area of life science, aspirants trying to make the new domain of entrepreneurship, persons working in seaweeds products processing are the right candidate to undertake the scheduled training under the program.









CSIR Integrated Skill Initiative

Skill Development Programme CSIR- Central Salt & Marine Chemicals Research Institute Marine Algal Research Search Station (MARS), Mandapam, (Phase I) Date: 8th – 10th March, 2021



(Phase II) Date: 17th – 19th March, 2021

Ap	plication Form

1.	Name of the Candidate उम्मीदवार का नाम	:	
2.	Father's/Guardian's Name पिता/ पति का नाम	:	Photo
3.	Date of Birth जन्म तिथि	:	
4.	Category वर्ग	: General / OBC/SC / ST	
5.	Address (Permanent) पता (स्थायी)	त्ताक अनुसंहरू	
6.	Address (Communication) पता (पत्र व्यवहार)		
7.	Educational Qualifications शैक्षणिक योग्यता		
8.	Phone No. फोन/ मोबाइल नंबर	S/R.IND	
9.	Email ईमेल	:	
10.	AADHAAR Card Number आधार कार्ड नंबर		
11.	Phase opted for: (put tick mark)	\Box Phase I (8 th to 10 th March) \Box Phase II (17 TH to 19 th March)	
			Candidate's Signature उम्मीदवार के हस्ताक्षर
Details	s of enclosures		

Kindly submit completed form on or before March 03, 2021 for both PhaseI and PhaseII to **S Thirupathi , Ebenezer G – 8838746958,967722140**

at email : sthiru@csmcri.res.in



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> Date: 8th – 10th & 17th - 19th March, 2021 **REGISTRATION FORM**

....Registration Fee.... Category I : Rs. 1000/- + Rs.180/- GST =Rs.1180/-Self – sponsored [Students, Individual (other than student) and Entrepreneur (as an individual)] Category II : Rs. 5000/- + Rs.900/- GST =Rs.5900/-Any sponsored candidate (Government, Industry and sponsored by Entrepreneur):

Registration detailAmount (INR)	Payment Details (NEFT) Please mention the bank name, branch, account no., transaction ID and Date
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RIND	

For bank detail contact: S Thirupathi , Ebenezer G – 8838746958, 9677221408. Date of Submission: on or before March 03, 2021 for both Phase I and Phase II at email : sthiru@csmcri.res.in