

F. No. Q-13017/1/2018/RAL/KOL/ 520

भारत सरकार/Government of India

कृषि एवं किसान कल्याण मंत्रालय / Ministry of Agriculture & Farmers Welfare

कृषि, सहयोग एवं किसान कल्याण विभाग /

Department of Agriculture, cooperation & Farmers Welfare

विपणन एवं निरीक्षण निदेशालय /Directorate of Marketing and Inspection

क्षेत्रीय एगमार्क प्रयोगशाला /Regional Agmark Laboratory

कोलकाता/Kolkata-700064

e-mail: ralkolkata64@gmail.com

DATE: 22/02/2024

To,
The In-charge principal/Coordinator/Vice-Chancellor
Institute/Universities/colleges,
West Bengal.

Subject: Offering Internship Scheme of Directorate of Marketing & Inspection to train the students/Professionals in the field of Analysis, Grading and Marking of Agricultural commodities under Agmark- regarding

Dear Sir/Madam,

I am grateful to inform you that our department has recently announced the Internship scheme vide office order no. Q/13020/1/CS/Distribution/16-C&A /551-552 Dated 15.12.2023 in the field of Analysis, Grading and Marking of Agricultural commodities under Agmark for skill development of various Bachelors & Master degree & Diploma holders students in the relevant field of Chemical Science including Agricultural, Chemistry, Bio-Chemistry, Micro-Biology Food Technology/Food Science, Dairy Technology and Bio Technology. This scheme will help to develop testing, grading and marketing skills. Therefore, I request to all of the In-charge/Principal/Coordinator/Vice-Chancellor of Institute/Universities/colleges situated in West Bengal to please circulate this message among the all students and also encourage them to participate in the said Internship programme at **Regional Agmark Laboratory, Kolkata.**

Full Guideline Internship programme (Course Duration, Fee, Eligibility, Shortlisting procedure, Application link) is enclosed herewith for your kind information.

We are looking for your kind co-operation and participation in this matter.

Thanking you

Regards


(K. Jayan)

Senior Chemist
I/C, RAL, Kolkata

ple. circulate
@m
22/2/24
Principal
Sukanta Mahavidyalaya
Dhupguri, Jalpaiguri

Enclosed: Internship Guidelines document as Stated above.

वरिष्ठ रसायनज्ञ, कार्य प्रभारी
Senior Chemist, In-Charge
क्षेत्रीय एगमार्क प्रयोगशाला
Regional Agmark Laboratory
सॉल्ट लेक, कोलकाता-700064
Salt Lake, Kolkata-700064

Government of India
Ministry of Agriculture & F.W.
(Department of Agriculture & Farmers Welfare)
Directorate of Marketing & Inspection
Head Office, N.H-IV, Faridabad

Dated : 06.12.2023

OFFICE ORDER

The internship scheme of Directorate of Marketing & Inspection to train and prepare students/young professionals in the field of analysis, grading, and marking of agricultural commodities under Agmark for their skill development and to enhance their employ ability in the industry is hereby introduced with the approval of competent authority. This scheme may assist and inspire interns to serve in the national/international organizations, dealing with the testing of agricultural commodities and related fields, and it will create/enhance the awareness about Agmark Certification.

2. A Committee has been constituted comprising of the following members with the approval of competent authority.

1	Director of Laboratories ,DMI	Chairman
2	Dy Agriculture Marketing Adviser, Training coordinator, DMI, Head Office, Faridabad	Co-Chairman
3	Concerned I/c RO for respective RAL	Member
4	Assistant Agriculture Marketing Adviser, C&A, DMI, Head Office, Faridabad	Member
5	Assistant Agriculture Marketing Adviser TPC, DMI, Head Office, Faridabad	Member Secretary

3. The mandate of the committee is to scrutinise and shortlist the interns as per the guideline issued from time to time, and evaluate the performance of interns at the end of each course. The committee will review the ongoing programme, guidelines for selections, evaluation process, syllabus etc. related to the scheme at regular interval.

(Signature) 06/12/2023

(आर.सी. मीना)

सहायक कृषि विपणन सलाहकार
कृते कृषि विपणन सलाहकार
भारत सरकार।

Distribution:

1. Director of Laboratories ,DMI,HO, Faridabad.
2. Dy Agricultural Marketing Adviser, Training coordinator, DMI, Head Office, Faridabad
3. Assistant Agricultural Marketing Adviser, C&A, DMI, Head Office, Faridabad
4. Assistant Agricultural Marketing Adviser TPC, DMI, Head Office, Faridabad

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Copy To:-

1. I/c ROs/SOs/RALs/CAL- may pl. enclosed the guideline and proforma for application form with request to publicise the course and kindly ensure to obtain application of interns on regular basis.
2. Dy. AMA, MRIN, DMI, HO, Faridabad- with request to upload the Order and Guideline of course on the DMI website.
3. Dy. AMA, I/c Extension Division, DMI, HO, Faridabad- with request to publicise the said scheme in Social media.
4. Jt AMA, DMI, HO, Faridabad.
5. Director(A), DMI, HO, Faridabad.
6. PPS to AS(M)-cum-AMA to the Govt. of India, Krishi Bhawan, New Delhi

Damm 06/12/23

Guideline

1) Objective: The internship scheme of DMI proposes to train and prepare students/young professionals in the field of gading and marking of agricultural commodities in their future professions.

To assist and inspire interns to serve in the national/international organizations, dealing with the testing of agricultural commodities and related fields.

To create/enhance the awareness about Agmark Certification.

(2) Eligibility Criteria/ Education Qualification :

(a) Final year / Passed out students from any Recognized University/Institution in the discipline of M.Sc./B.Tech/M.Tech in Chemistry/ Food Technology /Oil Technology/Bio Technology/Chemical Technology/Chemical Engineering/ Food processing /Food Engineering Bio Chemistry/ Microbiology/Food Science/Dairy Technology/Dairy Science Microbiology/ Ph.D in Science/Engineering/ Technology/ passed out B.Sc Chemistry as one of the subject in the graduation level and /OR

(b) Students, pursuing a MSc.and Phd in Science with Chemical as one of the main subject from any Recognized University/Institution.

(3) Duration: 2 Months for each commodity group may be extended upto 6 months

(4) Selection Criteria: The selection of interns shall be purely on the basis of merit and their willingness to work in the field of testing in agricultural commodities and other related fields. All applications submitted will be scrutinized and shortlisted on the basis as per merit & reservation as per provisions of Govt Norms

(5) Batch size: (1) RAL- upto 5 No of participants
(2) CAL- upto 10 No of participants

(6) Application procedure:

(i) Interested applicants may apply on email dmilabs-agri@nic.in till the online system of receiving the applications is made available on the website of the DMI. The applicants may submit their application in the prescribed format enclosed at Annexure I.

(ii) All the applications received online strictly in the specified format will be scrutinized for selection by the committee as designated by the competent authority of DMI.

(iii) The applications found incomplete or not fulfilling the criteria, or received after the stipulated date shall be summarily rejected.

(7) Course/ Schedule for Programme (As per approved Guideline):

(a) Spices & Food Grains: The practical Session: Basic of Spices and Food grain analysis: Practical session: Determination of Moisture, Foreign Matter, Immature Seeds, Wevilled, Shriveled, discoloured spices, insect bored, insect infected, broken fragments, Specific parameters for individual commodities (like Light Berries and Pin Heads in Black pepper, Cut Leaves in Tejpat, Headless cloves, etc.) Theoretical Session: Experimental aspect of Spices and Food grain analysis. Practical Session: Determination of Total ash, Acid Insoluble Ash, Water Soluble Ash, Crude Fibre, Volatile Oil, Non Volatile Ether Extract, Added Colour, Salt. Determination of Crude

2 Jan

Fibre, Calcium as Calcium Oxide in Ginger, Alcohol Soluble Extract and Water Soluble Extract etc. Determination of Curcuminoid content and added starch in turmeric. Determination of Capsaicin content in Chillies. Minimum percentage of Spices. Determination of Piperine in Black Pepper. Gluten content in Atta Wheat, Alcoholic Acidity Estimation of Crude protein & BOAA in Besan, etc.

(b) Oils & fats: Theoretical Session Chemistry of Oils and Fats. Practical Session on Determination of Moisture, Specific Gravity, Refractive Index and Saponification Value. Theoretical Session Chemistry of Oils and Fats. Practical Session on Determination of Unsaponifiable Matter, Acid Value, Iodine Value and Bellier Turbidity Test. Practical Session on Determination of Colour, Added colour, Flash Point, Boudien Test and Phosphorous Test. Determination of Essential Oil, Adulteration Tests like presence of Argemone Oil, Castor Oil, Mineral Oil etc. Analysis of RM and PV value, Phenolphthalein test in Ghee.

(c) Honey: Theoretical session: General chemistry of Honey. Practical Session Determination of moisture, specific gravity, TRS, Glucose, F/G, sucrose % Fiehe's test, Aniline chloride test, HMF test, Optical Density, Diastase activity, Pollen count, any other extraneous matter% etc.

(d) Toxicology: Extraction of Aflatoxin by Column Chromatography, Estimation of Aflatoxin by High Performance Thin Layer Chromatography, Digestion of sample by Microwave Digestion, Estimation of Copper and Lead by Automatic Absorption Spectrophotometer, Extraction of Pesticide Residues in Agricultural Commodities by Pesticide Residue Extractor, Insight into U.V. Spectroscopy, Determination of Curcumin content in Turmeric and Phosphorous in Soyabean oil by U.V. Spectrophotometer,

(e) Others: Good Laboratory Practices and NABL Accreditation Process, Internal Calibration of Glassware and Intermediate Checks on Instruments

(8) Course Fee:

(a) The course charges will be Rs. 10,000/- for two months of all commodities, and beyond 2 months upto 6 months, the charges has been proposed of Rs. 20,000/- (full) for Institute sponsored candidates.

b) The course charges will be Rs. 5,000/- for two months of all commodities, and beyond 2 months upto 6 months, the charges has been proposed of Rs. 10,000/- (50% half) for self-sponsored candidates subject to candidate is employed.

c) The course charges will be free (No charges) for self-sponsored candidates subject to candidate is un-employed.

