

भा0क0अ0प0-केन्द्रीय कटाई उपरान्त अभियान्त्रिकी एवं प्रौद्योगिकी संस्थान,
मलोट- हनुमानगढ़ बाई पास रोड, अयोहर

दिनांक: 14/10/2021 / सीफेट / 110 / 310 / 2 / 27

दिनांक: 16.10.2021

The Head,
Department of Mechanical Engineering,
Sri Longowal Institute of Engineering & Technology,
Longowal, Dist. Sangrur.

Preparation of Engineering Drawings of Refractive Window Drying Machine at ICAR-
CIPHET, Abohar-reg.

As directed to refer to your Proforma Invoice Ref: No. SLIET/ME/1464 dated 10/10/2021 and to say that competent authority of this institute has been pleased to accord administrative approval and financial of Rs. 23,600.00 (Rs. 20,000/-+3600/-GST @ 18%) towards preparation of Engineering Drawing of Refractive Window Dryings Machine under the project "Design and Development of Mechanized System for Fruit Bar Manufacturing" at ICAR-CIPHET, Abohar. Therefore, you are requested to kindly depute the concerned engineer to carry out engineering drawings of the said machine at an earliest please. Further, bill may please be prepared in the name of the Director, ICAR-CIPHET, Ludhiana with bank details for payment on completion of the assigned work.

आपका सहित

Dr. Sunil Kumar, AP(ME) is deputed
for executing this work.

A. Shukla
20/10/2021

महोदय

प्रभार

कृपया एवं मण्डल
सीफेट, अयोहर।

सहायक

1. डॉ. प्रेरणा नाथ, वैज्ञानिक, सीफेट, अयोहर-कृपया संबंधित विभाग से संपर्क कर प्रस्तावित कार्य निष्पादन हेतु अग्रिम कार्यवाही सुनिश्चित करवायें।
2. वित्त एवं लेखा अधिकारी, सीफेट, लुधियाना।
3. आहरण एवं सवितरण अधिकारी, सीफेट, लुधियाना।

2/18/2021

Re: request letter for microscopy and imaging of sample - Yahoo Mail

Re: request letter for microscopy and imaging of sample

Yahoo Mail/Inbox

Sanna Choudhary <sanna11101993@gmail.com>
To: pspbt@yahoo.com

18 Feb at 1:10 pm

To

Dr. P.S. Panesar (Professor)

Incharge of Biotechnology Laboratory

Department of Food Engineering & Technology

SLIET, Punjab

Subject :- Permission for microscopy and imaging of forty samples of teeth .

Respected Sir,

With due regards I, Sanna Choudhary, Post Graduate Student in the Department of Orthodontics & Dentofacial Orthopedics GNDDC, Sunam is doing a thesis entitled "**Comparison Of Enamel Surface Following Bracket Debonding In Fluorosed Teeth Using Two Different Techniques For Bonding : An In-Vitro Study**". For this, I would need to use the Stereomicroscope in the Biotechnology Lab of your department. I will pay fee as per the norms of your institute. Kindly grant me permission to use the above mentioned facility and also please issue me a certificate to this effect. The request letter from my institute is attached with this letter.

Your approval will be greatly appreciated and I will acknowledge you in my study.

Ranking

Yours faithfully,

Sanna Choudhary

P.G. student

Department of Orthodontics

& Dentofacial Orthopedics

GNDDC, Sunam

On Thu, Feb 18, 2021 at 11:43 AM Sanna Choudhary <pspbt@yahoo.com> wrote:
Dr. Sanna Choudhary
PG student
Department of Orthodontics and Dentofacial Orthopaedics
Guru Nanak Dev Dental College and Research Institute,
Sunam



GURU NANAK DEV DENTAL COLLEGE & RESEARCH INSTITUTE

(Recognized by Govt. Of INDIA Ministry of Health & Family Welfare)
ISO 9001:2008 Certified Certificate No. 1200115009A

Patola Bahubhara Road, Sunam - 148028, District Sangrur (Pb) INDIA
Phone Nos. 01676 224801, 224806, 226902. Fax 01676 224804

E-mail: info.gnddc@college.com

Website: www.gnddc@college.com

Ref. No. GNDDC/2021/...⁹⁹⁶...

Dated 08-2-2021

To

The Head of Department
Department of Food Engineering & Technology
SIIET, Punjab

Subject :- Request to grant permission for conduction of Thesis study.

Respected Sir,

With due regards I, Sanna Choudhary, Post Graduate Student in the Department of Orthodontics & Dentofacial Orthopedics GNDDC, Sunam is doing a thesis entitled "Comparison Of Enamel Surface Following Bracket Debonding In Fluorosed Teeth Using Two Different Techniques For Bonding : An In-Vitro Study". For this, I would need to use the Stereomicroscope of your department for my study sample of forty (40) teeth.

Kindly grant me permission to use the above mentioned facility and also please issue me a certificate to this effect.

Your approval will be greatly appreciated.

Thanking you.

Yours faithfully,

Sanna Choudhary
P.G. student
Department of Orthodontics
& Dentofacial Orthopedics
GNDDC, Sunam

Forwarded
1 FEB
3/2/21

Forwarded to HOD, Deptt. of Food Engineering & Technology
and kind request is necessary action

Principal
Guru Nanak Dev Dental College
& R.I., Sunam (Sangrur)

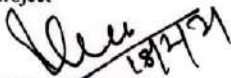
Form No. CP-02

Sant Longowal Institute of Engineering and Technology, Longowal
CONSULTANCY PROJECT COST ESTIMATION SHEET

(For Internal use only. To accompany with proposals)

Item	Amount (Rs.)
1) Project Cost (X)	
Total number of samples	40 No.
Cost of Institute facility/ Testing charges for institute facility (Y)* (Rate per sample)	Rs. 150/-
Cost of equipment to be purchased (if any)	NIL
Cost for assembly & fabrications (if any)	NIL
Cost of consumables	NIL
Cost of testing to be done from outside (if any)	NIL
Honorarium (H)/ consultancy charges Which includes: • Honorarium to the PI/ consultant	Rs.3000/- (@50%) Out of total of Rs. 6000/-
Salary to the project staff (if required)	NIL
Travel for project staff and associated students (if required)	NIL
Travel for external consultant (if any)	NIL
Contingency	NA
Total (X)	Rs. 3000/-
2) Institutional Cost or Overhead Cost (X_I) (as applicable, as per Table1)	
	Rs.3000/- (@50%) Out of total of Rs. 6000/-
3) GST /any other applicable tax	
GST on applicable items of the project such as honorarium / consultancy charges and institutional cost or overhead (@18%)	6000×18% (GST) Rs. 1080/-
4) Total Cost of Project (X_{TP})	
Total Cost of Project (X _{TP}) = X (i.e. Project cost) + X _I (i.e. Institutional cost or Overheads) + GST (wherever applicable)	3000+3000+ 1080 = Rs. 7080/-

* Testing/ charges for use of equipment as per approved rates, otherwise as it can be proposed/decided by PI depending upon the nature of the project


18/7/21

Consultant/ PI
Dr. P.S. Panesar, Prof (FET)


18/7/21

Head of the Department (FET)

Regarding testing of samples.

15 Oct at 6:16 pm



Simmi Sharma <ssimmi362@gmail.com>
To: pspbt@yahoo.com

Respected sir,

With due respect, I would like to bring to your notice that I Dr. Simmi Sharma, 3rd year post graduate student in the Department of Prosthodontics and Crown & Bridge, in the college Guru Nanak Dev Dental College and Research Institute, Sunam, is doing a thesis on the topic "Comparative Evaluation Of Changes In Dimensional Accuracy Of Two Elastomeric Impression Materials After Immersion Disinfection – An In Vitro Study" registered and approved by Baba Farid University of Health Sciences, Faridkot. Thesis approval letter provided by the university is henceforth attached. I require the Leica WILD Stereomicroscope for testing of 48 samples. I would be highly obliged if you can arrange the testing of same in your lab (Biotechnology lab), Department of Food Engineering and Technology, SLIET Longowal. I will pay the requisite fee for the sample testing.

Thanking you.

Your's Sincerely,

Dr. Simmi Sharma

MDS (3rd year)

Guru Nanak Dev Dental College, Sunam.


Form No. CP-02

Sant Longowal Institute of Engineering and Technology, Longowal
CONSULTANCY PROJECT COST ESTIMATION SHEET

(For Internal use only. To accompany with proposals)

Item	Amount (Rs.)
1) Project Cost (X)	
Total number of samples	48 No.
Cost of Institute facility/ Testing charges for institute facility (Y)* (Rate per sample)	Rs. 150/-
Cost of equipment to be purchased (if any)	NIL
Cost for assembly & fabrications (if any)	NIL
Cost of consumables	NIL
Cost of testing to be done from outside (if any)	NIL
Honorarium (H)/ consultancy charges Which includes: • Honorarium to the PI/ consultant	Rs.3600/- (@50%) Out of total of Rs.7200/-
Salary to the project staff (if required)	NIL
Travel for project staff and associated students (if required)	NIL
Travel for external consultant (if any)	NIL
Contingency	NA
Total (X)	Rs. 3600/-
2) Institutional Cost or Overhead Cost (X_I)	
(as applicable, as per Table1)	Rs.3600/- (@50%) Out of total of Rs.7200/-
3) GST /any other applicable tax	
GST on applicable items of the project such as honorarium / consultancy charges and institutional cost or overhead (@18%)	7200×18% (GST) Rs.684/-
4) Total Cost of Project (X_{TP})	
Total Cost of Project (X _{TP}) = X (i.e. Project cost) + X _I (i.e. Institutional cost or Overheads) + GST (wherever applicable)	3600+3600+684 = Rs.7884/-

* Testing/ charges for use of equipment as per approved rates, otherwise as it can be proposed/decided by PI depending upon the nature of the project


 Consultant/ PI

Dr. P.S. Panesar, Prof (FET)


 Head of the Department (FET)

OFFER OF CONSULTING

Dear Dr Manpreet Singh Manna,

Date: August 22, 2020

With reference to your discussions you had with us, we are pleased to offer you a consulting assignment in our organization as per the following details.

Designation: Advisor, Gap Assessment Study Government Women Polytechnics.

Period: August 22, 2020 to September 30, 2020.

Total CTC	50,000/-
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Your emoluments as detailed will be subject to deduction of Income Tax.

You shall be connected to our office in Noida and required to travel for the purpose of work to any other location as required by your project, you will be entitled to travel allowances as per organisation rules in force. This association can be terminated by either party, with one weeks' notice.

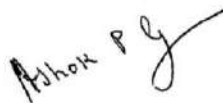
Scope of work

1. Facilitate the research team in data collection via focused group discussions with stakeholders from
2. NITTTR
3. Director Technical Education
4. Women Polytechnic Principals and faculties
5. Polytechnic students

Please sign and return the duplicate copy of this letter as a token of your acceptance of the above offer.

Thanking you,

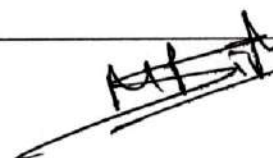
Yours faithfully,



for NASSCOM Foundation.

Authorized Signatory

I have read the letter of employment and agree to the terms defined therein.

 **Date:** 31/8/2020
Acceptance Signature

Form No. CP-02

Sant Longowal Institute of Engineering and Technology, Longowal

CONSULTANCY PROJECT COST ESTIMATION SHEET

(For Internal use only. To accompany with proposals)

Item	Amount (Rs.)
1) Project Cost (X)	
Cost of Institute facility/ Testing charges for institute facility (Y)*	NIL
Cost of equipment to be purchased (if any)	NIL
Cost for assembly & fabrications (if any)	NIL
Cost of consumables	NIL
Cost of testing to be done from outside (if any)	NIL
Honorarium (H)/ consultancy charges Which includes: <ul style="list-style-type: none"> • Honorarium to the PI/ consultant • Honorarium to the external consultant (if applicable) • Honorarium to the staff (if required) 	26250/=
Salary to the project staff (if required)	NIL
Travel for project staff and associated students (if required)	NIL
Travel for external consultant (if any)	NIL
Contingency	NIL
Total (X)	26250
2) Institutional Cost or Overhead Cost (X_I)	
(as applicable, as per Table I)	8750
3) GST /any other applicable tax	
GST on applicable items of the project such as honorarium / consultancy charges and institutional cost or overhead	15000
4) Total Cost of Project (X_{TP})	
Total Cost of Project (X _{TP}) = X (i.e. Project cost) + X _I (i.e. Institutional cost or Overheads) + GST (wherever applicable)	50,000/=

* Testing/ charges for use of equipment as per approved rates, otherwise as it can be proposed/decided by PI depending upon the nature of the project

[Signature]
Consultant/ PI

Note: The proposal duly signed by Consultant/ PI shall be routed to Dean (R&C) through concerned HOD.

[Handwritten notes and signatures]

Form No. CP-03

Sant Longowal Institute of Engineering and Technology, Longowal

CONSULTANCY PROJECT AGREEMENT

Project Title : Development of optimal UV Sanitization Device to disinfect the virus and bacteria for various applications

Name and Address of the Client/Company: Gigabyte Networks Pvt. Ltd., 6th Floor, Surya Kiran-2 Sutlej Club Road. Rakh Bagh., Ludhiana 141001, Punjab. India

Name of the Representative: Mr. Sanjay Gupta

Phone: 0161-4668878 Fax: +91-161-4668878 E-mail: sanjay@gigabytesnetworks.com

S. No	Name of the Consultant/ PI	Designation	Department
1*	Dr. Surinder Singh	Professor	ECE

Total Project Cost including GST (X_{TP}): Rs. 2.32 Lakhs

Distribution of total project cost between the collaborating organizations:

a) *Organization 1: Rs. 2.32 Lakhs + GST

b) **Organization 2 (if any): NIL

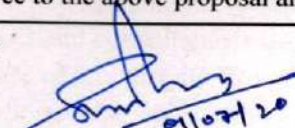
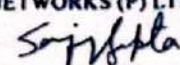
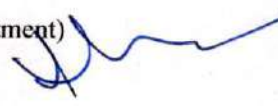
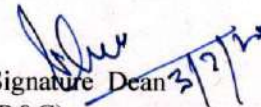
Duration of proposed work (Yr and month): 06 months

Date of Commencement: 03 July 2020

Date of Completion: 02 Jan. 2021

Scope of proposed work:

1. Design, Development and reconfiguration of optimal UV sanitization product (office files, papers and books) under Make in India for disinfect the corona virus (COVID-19).
2. Optimal spurting of fully reflecting material for chamber.
3. Placement and type of UV-C sources.
4. Shape of the chamber.
5. UV dose calculation for the chamber to disinfect Virus, bacteria.
6. Application area of optimal UV sanitization chamber used for sanitization of Mask, Daily usable items (wallet, pen, specks, keys, mobile, currency), paper, files etc.

* We agree to the above proposal and also to the R&C terms & condition of SLIET Longowal	
Signature  01/07/20	Signature For GIGABYTE NETWORKS (P) LTD.  Director/Mg. Director
(Consultant, SLIET Longowal)	(Authorized signatory of the client)
Name: Prof. Surinder Singh	Name: Mr. Sanjay Gupta
Date: 01-07-2020	Date: 01.07.2020
Signature: (Head of the Department) 	Date of Project Registration: 06/07/2020 Project Number: SLIET/Dean (R&C)/CP-5
Name: Prof Anupama Marwaha Date: 01/07/20	 Signature Dean (R&C) 3/7/20
	Date:

CONSULTANCY PROJECT COST ESTIMATION SHEET

(For Internal use only. To accompany with proposals)

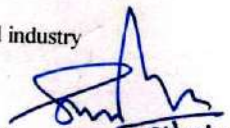
Item	Amount (Rs.)
1) Project Cost (X)	
Cost of Institute facility/ Testing charges for institute facility (Y)*	NIL
Cost of equipment to be purchased (if any)	N.A.
Cost for assembly & fabrications (if any)	Rs. 01 Lakh ^s
Cost of consumables	Supplied by client
Cost of testing to be done from outside (if any)	Will be Added ^y
Honorarium (H)/ consultancy charges Which includes: • Honorarium to the PI/ consultant • Honorarium to the external consultant (if applicable) • Honorarium to the staff (if required)	Rs. 24000
Salary to the project staff (if required)	Rs. 1.02 Lakhs ^z
Travel for project staff and associated students (if required)	NIL
Travel for external consultant (if any)	NIL
Contingency	NIL
Total (X)	Rs. 2.26 Lakhs
2) Institutional Cost or Overhead Cost (X_i)	
(as applicable, as per Table1) × 25% of Honorarium ^y	Rs. 6000*
3) GST /any other applicable tax	
GST on applicable items of the project such as honorarium / consultancy charges and institutional cost or overhead	As per rule
4) Total Cost of Project (X_{TP})	
Total Cost of Project (X _{TP}) = X (i.e. Project cost) + X _i (i.e. Institutional cost or Overheads) + GST (wherever applicable)	Rs. 2.32 Lakhs + GST

* Testing/ charges for use of equipment as per approved rates, otherwise as it can be proposed/decided by PI depending upon the nature of the project.

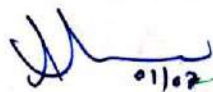
x: All raw material for assembly, fabrication and consumable will be provided by Industry.

y: Testing charges will be added as per rules.

z: Skilled staff will be arranged by Industry (@ Rs. 17000 per month) to work there with the liaising of PI and industry


Consultant/ PI 01/04/20

Note: The proposal duly signed by Consultant/ PI shall be routed to Dean (R&C) through concerned HOD.


01/02
(Dr. A. Marwaha)
MOD (GCE)

Advance payment for project

info@pharmaffiliates.com <info@pharmaffiliates.com>

Mon 3/2/2020 2:20 PM

To: Harish Kumar Chopra <harishchopra@sliet.ac.in>

Cc: ashoke.sabharwal@pharmaffiliates.com <ashoke.sabharwal@pharmaffiliates.com>

1 attachments (547 KB)

CCF02032020.pdf

Dear Dr. Chopra,
Please find attached letter regarding Advance payment for project entitled "Biosynthesis of Ivermectin and its Analogues".

Thanks And
Regards

NIKHIL TOMAR

Personal
Assistant(Director)

Pharmaffiliates Analytics & Synthetics (P)
Ltd.

Plot no 225 Industrial Area, Phase-
2


Panchkula(Haryana),INDIA,134109

Ph. #: +91 172 5066494,5066495

Fax #: +91 172 5066495

Email: info@pharmaffiliates.com

Website:<http://www.pharmaffiliates.com>

 **Pharmaffiliates**


USFDA ACCEPTED


ISO 17025


ISO 9001-2008


DSIR
REGISTERED BRAND OWN


ISO 9001-2008

Pharmaffiliates

ISO 17025:2005 Certified Company

Pharmaffiliates Analytics & Synthetics (P) Ltd

Plot No. 225, Industrial Area, Phase-II, Panchkula, Haryana-134 113, INDIA

Tel. : +91-172-5066494, 5066495.

Fax : +91-172-5066494 Mobile : +91-9216119588

E-mail : admin@pharmaffiliates.com

Web Site : www.pharmaffiliates.com

Dated: 29 Feb 2020

To
Dr. Harish Chopra
Professor, Dept. Of Chemistry
Sant Longowal Institute of Engineering & Technology
Longowal, Punjab

SUBJECT: Advance payment for Project

Dear Dr. Chopra,

This has reference to our collaborative project entitled "Biosynthesis of Ivermectin and its analogues". Please find enclosed the cheque "002524" dated 29 Feb 2020, Axis Bank for Rs 50,000/- as advance payment for the above project.

Thanking You

For Pharmaffiliates Analytics & Synthetics Pvt. Ltd.

For Pharmaffiliates Analytics & Synthetics (P) Ltd.

A. K. Sabharwal

Director

Dr. A.K Sabharwal

(Director)



F a: Regarding guidance and consultancy

hr ghatak

Thu 21-11-2019 10:22

To: Arun Kumar <kundra1arun@gmail.com>

Dear Sir,

As requested, I can provide you technical guidance for which you will be charged Rs. 23600 (inclusive of GST @ 18%). The amount is to be paid in the form of a DD in favor of 'Director, Sant Longowal Institute of Engineering and Technology' and payable on Longowal.

Regards.

Himadri Roy Ghatak, Ph.D.
Professor,
Department of Chemical Engineering
Sant Longowal Institute of Engineering and Technology
Longowal 148106
Cell: 9478392298

From: Arun Kumar <kundra1arun@gmail.com>

Sent: 20 November 2019 19:01

To: hr ghatak <hrghatak@sliet.ac.in>

Subject: Regarding guidance and consultancy

Sir,

I Arun Kumar Kundra am the retired principal from Haryana Sirsa and am interested in setting up the unit for extraction of turmeric oil, curcumin and colouring matter from turmeric. Sir i wants to start it as a cottage industry.

Sir i am already working on it for the last one year and has successfully extracted oils from turmeric and regarding curcumin that also i have extracted but the yields are low but the quality is good as confirmed by the reports of LCMS and GCMS so sir i want your guidance regarding it.

So sir please guide me accordingly as per the provisions of your institute.

Thanks and waiting for a positive response from you

Arun Kumar Kundra
152, Ram Colony
Sirsa (Haryana)
9416239197, 7082039197

Form No. CP-03

Sant Longowal Institute of Engineering and Technology, Longowal

CONSULTANCY PROJECT AGREEMENT

Project Title : Technical guidance for getting valuable products from turmeric

Name and Address of the Client/Company: Mr. Arun Kundra

152, Ram Colony, Sissa, Haryana

Name of the Representative: Mr. Arun Kundra

Phone: 7082039197 Fax: _____ E-mail: kundra1arun@gmail.com

S. No	Name of the Consultant/ PI	Designation	Department
1*	<u>Dr. Himadri Roy Ghatak</u>	<u>Professor</u>	<u>Chemical Engg.</u>
2**	_____	_____	_____

Project Cost (X): Rs. 15384/- Overhead (X₁): Rs. 4616/- GST: Rs. 3600/-

Total Project Cost (X_{TP}): Rs. 23600/- (Twenty three thousand six hundred only
DD. No. 502213, dated 25/11/2019 of PCIC Bank enclosed)

Distribution of total project cost between the collaborating organizations: NA

- a) *Organization 1: Rs. NA
- b) **Organization 2 (if any): Rs. NA

Duration of proposed work (Yr and month): 06 Months

Date of Commencement: 01/12/2019 Date of Completion: 31/05/2020

Scope of proposed work: Technical guidance

* We agree to the above proposal and also to the R&C terms & condition of SLIET Longowal	
Signature <u>H.R. Ghatak</u> <u>26/11/2019</u>	Signature <u>Arun Kundra</u>
(Consultant, SLIET Longowal)	(Authorized signatory of the client)
Name: <u>Himadri Roy Ghatak</u>	Name: <u>Arun Kundra</u>
Date: <u>26/11/2019</u>	Date: <u>26/11/2019</u>
Signature: <u>[Signature]</u> (Head of the Department)	Date of Project Registration:

30th Board Meeting held on 08.10.2018

TESTING JOB ORDER



Sant Longowal Institute of Engineering and Technology, Longowal
(Deemed-to-be University)
Sangrur, PIN- 148106, Punjab, INDIA

Name of the applicant: Accuprac Research Lab Pvt LTD Billing Address _____
Address of the applicant: OPP Phoenix Chambers same
Banla Highway - Ahmedabad
Phone No.: 9099932192
Email: rd@accuprac.in Patiya To Matoda Road
Ahmedabad Gujarat

Affiliation (Please tick)

<input type="checkbox"/>	SLIET Longowal	<input type="checkbox"/>	Educational Institution/ Govt. R&D Labs	<input checked="" type="checkbox"/>	Industry
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Name of the test: RVA
Tools & equipment to be used: RVA
Name of Laboratory & Department at SLIET: Food Engineering & Technology
No. of Samples: 4 Sample
Description of sample: Solid wafer samples
Mention if Toxic/ explosive/ radioactive: Not Applicable

[Signature]
(Signature of Client/ indenter)

Recommendation of forwarding authority from the organization of the client (if any)
.....

For official use

Recommendations of faculty Incharge of the laboratory to be used at SLIET:
The tests can be carried out in the Rheology Lab.
Approval by HoD: *[Signature]*

* Date(s) allotted for testing

Applicable fee: 500 X 4 = 2000
+ 18% GST

Payment receipt no. and date: 087834
cheque No: 05/07/19

[Signature]
(Signature of faculty Incharge of the Laboratory)

* After approval

Subject: Approval for Type-III Consultancy

A research lab, Accuprec Research Labs Pvt. Ltd., Ahmedabad approached the undersigned for routine testing of their samples on Rapid Visco Analyser installed in the Rheology Lab of our Department. Initially, the Company wants to check the authenticity of the testing in our Lab and as per their telephonic conversation with me, if they are satisfied with the results, they would further send the samples to test by other equipment available in the Department. In my opinion, this is a great opportunity for us to showcase our capabilities which may attract other organizations to contact us regarding the testing or other type of Consultancy. Moreover, they sent me a cheque of Rs. 2360/- for testing 04 samples (@Rs. 500/- per sample + 18% GST) in the name of Director, SLIET (the rate of the testing is being given to other testing labs by the said organization).

This type of work comes under Type-III Consultancy as per Clause 5. TYPES OF CONSULTANCY WORK of the Institutes' Consultancy Rules. Therefore, the following may be approved:

1. Permission to test the samples (will be sent by the firm, if approved)
2. After approval, the cheque vide no. 087834 dated 05.07.2019 be deposited in the Institute account
3. As per consultancy rules 7.2, the rate of testing (Rs. 500/- per sample + GST) may be approved.
4. After testing, 50% share of the total amount i.e., Rs. 1000/- may please be granted to the Technician of the Lab, Mr. Laxmi Narayan Singh.

Submitted for your kind consideration and approval, please

Dr. D.C. Saxena
Professor (FET)

Credit

32,95,

370.00

508.00

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60.00

32,13

n With Extra C

SMET/FET/817
date 31/8/19

अभिप्राय (विद्यार्थी सभा) का अध्यक्ष
संकेत नं. 4496
दिनांक 05/09/19

HOD (FET) *fex*
03/9/19

Dean (R&C)

pls discuss

blu
4/9/19

HOD (FED) *f-l*
06/9/19

Prof. D.C. Saxena

specific points of discussion may please be informed.

blu
09/9/19

HOD (FOT) *f-l*
9/9/19

FET/856
9/9/19

Dean (R&C)

pls. submit as discussed
Pl. follow as per institute rule
it assessed.

HOD (FED) *f-l*
11/9/19

Prof. D.C. Saxena

On next page, please

Pharmaffiliates

Pharmaffiliates Analytics & Synthetics (P) Ltd

Plot No. 725 Industrial Area Phase-II Parolokh, Gurgaon-124 109 INDIA

Te. +91-172-5066494 5066496

Fax +91-172-5066494 Mobile +91-92161 9688

E-mail : admin@pharmaffiliates.com

Web Site : www.pharmaffiliates.com

Dated. 11-Oct-19

To

Dr. Harish Chopra

Professor, Dept. Of Chemistry

Sant Longowal Institute of Engineering & Technology

Longowal, Punjab

SUBJECT: Consultancy Project on Production of Novel Rapamycin Analogs

Dear Sir,

This is in the reference to your agreement which has been sent to you duly signed. Kindly proceed with the project with immediate effect and let us know the outcome at the earliest.

Thanking you

For Pharmaffiliates Analytics & Synthetics Pvt. Ltd.

For Pharmaffiliates Analytics & Synthetics (P) Ltd.

A. K. Sabharwal

Director

Dr. A.K. Sabharwal

(Director)



Consultancy Project for

Pharmaffiliates Analytics & Synthetics (P) Ltd.
Plot no 225 Industrial Area, Phase-2, Panchkula(Haryana),INDIA

PRODUCTION OF NOVEL RAPAMYCIN ANALOGS

The natural product rapamycin, produced during fermentation by *Streptomyces hygroscopicus*, is known for its potent antifungal, immunosuppressive, and anticancer activities. During rapamycin biosynthesis, the amino acid L-pipecolate is incorporated into the rapamycin molecule.

In the present project, the use of precursor-directed biosynthesis to create new rapamycin analogs by substitution of unusual L-pipecolate analogs in place of the normal amino acid shall be investigated. The biosynthesis of Rapamycin and its analogs shall be studied by utilizing MTCC 1105 *Streptomyces hygroscopicus* subsp. Hygroscopicus - and MTCC 3811 *Streptomyces hygroscopicus* subsp. hygroscopicus strains. The detection and analysis of the products shall be undertaken through HPLC at SLIET.

The basic reference for the work will be:

Applied and Environmental Microbiology, Apr. 2005, p. 1971-1976 (2005), Production of Novel Rapamycin Analogs by Precursor-Directed Biosynthesis, Frank V. Ritacco,* Edmund I. Graziani, Mia Y. Summers, T. Mark Zabriskie, Ker Yu, Valerie S. Bernan, Guy T. Carter, and Michael Greenstein

Liquid chromatography-MS analysis of *Rapamycin* analogs shall be carried out from other institutes on payment basis.

Project Coordinator(s) : **Dr. Harish K. Chopra and Dr. Parmjit S. Panesar**
Project Duration : **4 months (Nov 01, 2019 - March 31, 2019)**
Financial Details:

Sr No	Activity	Amount (Rs.)	Remarks
1	Chemicals	25000.00*	or Pharmaffiliates may provide all chemicals required for the project (list of chemicals required enclosed as Annexure-1)
2	Strains (2) MTCC 1105 and 3811 <i>Streptomyces hygroscopicus</i>	4594.00	Including GST and postage charges by MTCC
3	Project Assistant (4 months) @ 15000.00 per month	60000.00*	The project assistant shall be appointed at SLIET for 1 year and will continue to work for other projects between SLIET and Pharmaffiliate, Panchkula
4	Consultancy Charges	40000.00*	It includes utilization of institute infrastructure like labs and instrumentation
5	LC-MS analysis	As per actual	From other institutes on payment basis - to be paid by Pharmaffiliates
	TOTAL	1,29,594.00	

*as per actual expenditure

#The payment will be on pro-rata basis for items at Sr. no 3 and 4 depending upon the completion of the project.


(Dr. Harish K. Chopra)

Prof. (Chem.), SLIET


(Dr. Parmjit S. Panesar)

Prof. (Food Tech.), SLIET