



Project evaluation report for financial assistance (seed money) under TEQIP-III

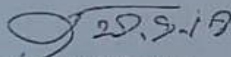
Project Title: Development of Portable Electrical Discharge Machining Setup for Micromachining

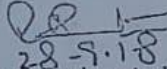
Submitted by: Dr. S.K.S. Yadav, Assistant Professor, MED, HBTU Kanpur

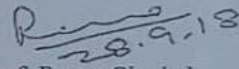
Name of committee members

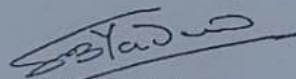
| | | |
|--|------------------------|------------------|
| 1. Prof. Karunakar Singh | Pro Vice Chancellor | Chairman |
| 2. Prof. Anand Kumar | Head, MED | Member |
| 3. Shri S.B. Yadav (Scientist 'E' DMSRDE, Kanpur) | External Expert | Member |
| 4. Prof. Rachna Asthana | Coordinator, TEQIP-III | Member |
| 5. Prof. Reena Singhal | Dean, R&D | Member Secretary |

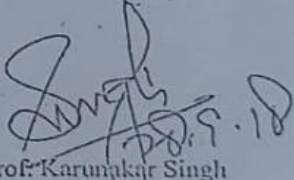
Recommendation: The seed money project is approved with a total budget of two lac (2.0 lac) only. The budget proposal should be revised as per discussion during presentation. The name of agency should also be named in the revised budget to which final project is to be submitted.


28.9.18
Prof. Anand Kumar
Head, MED
Member


28.9.18
Prof. Rachna Asthana
Coordinator, TEQIP-III
Member


28.9.18
Prof. Reena Singhal
Dean, R&D
Member Secretary


Shri S.B. Yadav
Scientist 'E' DMSRDE, Kanpur
External Expert


28.9.18
Prof. Karunakar Singh
Pro Vice Chancellor
Chairman

955/ME/Ext./2018

17/07/18

- 1 -

No. /ME/Ext./2018

Date: 17.7.2018

Coordinator, TEQIP-III,
HBTU, Kanpur

(Through Proper channel)

Respected Madam,

I wish to inform you that I have done one month (June 1st to June 30th, 2018) research work in collaboration with Dr. Kantesh Balani, Associate Professor, Material Science Engineering Department, IIT Kanpur under visiting research program of TEQIP scheme. For the continuance of above stated research work, I had submitted a collaborative research project proposal on 'Development of thermally sprayed bioactive glass based composite coatings for load bearing implants' to Prof. C.S. Upadhyay, PI of TEQIP, IIT Kanpur for financial support of Rs.1,80,000/= (One lac and eighty thousand only).

In this regard, I would like to inform you that the proposal was accepted and they have agreed to pay an initial amount of Rs.20,000/= (Twenty thousand only) from TEQIP, IIT Kanpur to initiate the work and also recommended that additional fund can be requested from TEQIP, HBTU, Kanpur. So, it is requested to kindly grant the remaining amount of Rs.1,60,000/= from TEQIP-III, HBTU, Kanpur to complete the above research work.

Sincerely yours,

(Dr. Vinay Pratap Singh)
A.P., MED, HBTU, Kanpur

Enclosures:

1. Acceptance letter from TEQIP, IIT Kanpur office
2. Copy of project proposal

Dean, SOB

Forwarded & Recommended -

Co-ord., TEQIP III

Forwarded & Recommended

Prof. Anand Kumar
Head, Mechanical Engineering Department
School of Engineering
H.B.T.U., Kanpur-208002

MIS officer

Dr. Anand

Dr. Sunil Kumar
Dean
17.07.18

Dr. Sunil Kumar
Dean
School of Engineering
H.B. Technical University
KANPUR-208002

676/MEQIP
18-7-18

18.7.18

Recd. today
at 4:30 pm

17/7/18

HBTU/III/2018

Letter No: 566 MED/Ext/2019

Dated: 27/12/2019

25-01-2020

HOD-MED/ Dean SoE/Coordinator TEQIP-III

This has reference of Seed Money start up project (component code 1.1.2.5 Research & development) on "Development of 3D printer for soft robotics applications" of budget Rs 2.00 lac approved Hon'ble V.C. vide letter no: 598/R&D/2019 dated 8/06/2019 (photocopy enclosed). Please also find enclosed herewith the list of items approved in the proposal under cost estimation.

Few items were purchased through DPC as below:

| | Item | Invoice details | Amount |
|---|------------------------|---|---|
| 1 | UV light and PCB board | No:71 Dated Nov 21, 2019 Swarup Corporation, Kanpur | 12,980=00 |
| | | Total Rs | 12,980=00 |
| | | | <i>Twelve Thousand Nine hundred eighty only</i> |

Original invoices have enclosed herewith. All items are entered in stock register (page 01) for projects of Deptt. Amount of Rs 12980=00 is paid by me. So, it is requested to reimburse amount Rs 12980=00 to me. *Above items are satisfactory.*

Encl: as above

*Teqip Coordi
Forward & Recomm*

23.01.2020

*Prof. Rajive Gupta
Head of Department
School of Engineering
H.B. Technical University
Kanpur-208002*

and
Deen
School of Engineering
H.B. Technical University
KANPUR-208002

27/12/19
(Jitendra Bhaskar)
PI of the project &
Associate Professor, MED

Harcourt Butler Technical University, Kanpur
Office of Dean, Research and Development,
No.: 598//R&D/ seed money/2019
Dated: June 08, 2019

Dr. Jitendra Bhaskar,
Associate Professor,
Mechanical Engineering Department,
HBTU, Kanpur.

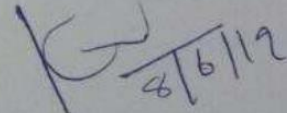
This has reference to your request (No. 674/MED/Ext./2018 dated 05.03.2018) for seed money under faculty category of TEQIP-III. As per recommendation of the committee and approval of the Hon'ble Vice Chancellor, the seed money of Rs. 2,00,000-00 (two lakh only) as requested by you, is sanctioned from the fund of TEQIP-III. Please look at the committee's suggestions. The original file is sent back to you for your record.

This is for your information and necessary action.

(
(K M Mohapatra)
Dean, Research and Development

CC to:

- 1- Finance Controller, HBTU, Kanpur.
2. Coordinator TEQIP-III, HBTU, Kanpur for information.
- ✓ 3. Head, Mechanical Engineering department, HBTU, Kanpur

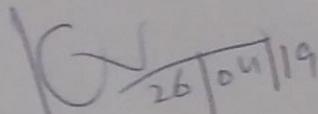

(K M Mohapatra)
Dean, Research and Development

Harcourt Butler Technical University, Kanpur
Office of Dean, Research and Development,
No: 464/R&D/ seed money/2019
Dated: April 26, 2019

Dr. Raghwendra Singh,
NPIU Faculty,
Department of Mathematics,
HBTU, Kanpur

This has reference to your request for seed money under faculty category of TEQIP-III. As per recommendation of the committee and approval of the Hon'ble Vice Chancellor, the seed money of Rs.2, 00,000-00 (two lakh only) as requested by you, is sanctioned from the fund of TEQIP-III. Please look at the committee's suggestions.


This is for your information and necessary action.


(K M Mohapatra)

Dean, Research and Development
(K.M. Mohapatra)
Dean, Research and Development
H.B.T.U., Kanpur-2

CC to:

- 1- Finance Controller, HBTU, Kanpur.
2. Coordinator TEQIP-III, HBTU, Kanpur for information.
3. Head, Mathematics department, HBTU, Kanpur.


(K M Mohapatra)
Dean, Research and Development

Contract

Contract No: GEMC-511687787305495

Generated Date: 11-May-2019

Organisation Details

Type: State Autonomous
 Ministry: -
 Department: Higher Education Department Uttar Pradesh
 Organisation Name: Harcourt Butler Technological Institute
 Office Zone: Nawabganj Kanpur

Buyer Details

Name: Arun Maithani
 Designation: Professor
 Contact No.: 0512-2534000-
 Email ID: con1.hbtu.kanpur@gembuyer.in
 GSTIN: 09AAALH0730N1ZZ
 Address: Companybagh Nawabganj,
 KANPUR NAGAR, UTTAR PRADESH-208002, India

Financial Approval Detail

IFD Occurrence : No
 Designation of Administrative Approval : registrar
 Designation of Financial Approval : vice chancellor

Seller Details

Company Name: ACCUMAX INDIA
 Email ID: varshanautiyal2611@gmail.com
 Address: Janakpuri,
 West Delhi, DELHI-110058, -

Product Details

| # | Item Description | Category Name | Model | Ordered Quantity | Unit | Price (Inclusive of all Duties and Taxes in INR) |
|----------------------------|---|--|--------|------------------|------|--|
| 1 | ROTARY EVAPORATOR BUCHI TYPE 9811044874 | bi distillation units double distillation water unit | AJ-150 | 1 | - | 47,599 |
| Total Order Value (in INR) | | | | | | 47,599 |

Consignee Detail

| S.No | Consignee | Item | Quantity | Expected Delivery Date |
|------|--|---|----------|------------------------|
| 1 | Ashwani Kumar Rathore S K Sharma Associate Professor Landline-- buyer1.hbtu.kanpur@gembuyer.in Companybagh Nawabganj, KANPUR NAGAR, UTTAR PRADESH-208002, India | ROTARY EVAPORATOR BUCHI TYPE 9811044874 | 1 | 26-May-2019 |

Product Specification for ROTARY EVAPORATOR BUCHI TYPE 9811044874

| Specification | Sub-Spec | Value |
|--|--|-------------------------------------|
| Detailed Descriptions and other parameters | Electrical requirements | 230 Volts 10 / 50 Hz , Single phase |
| | Distillation water capacity (ltr/hr) | 4 ltr/hr |
| | pH value | 6.9-7.0 |
| | Conductivity (7S/cm) | <1.0 |
| | Numbers of Built in Quartz heaters (nos) | 2 |
| | Distillation units Type | horizontal |
| | Distillate Temperature (OC) | 69.9999 |
| | Biological Activity | Pyrogen free |
| | Built in Quartz heater capacity (KW) | 3.5 |
| | Double stage glass (quartz) distillation units | yes |
| Cooling Water consumption (ltr/hr) | 140 ltr/hr | |

Organisation Details

Type: State Autonomous
 Ministry: -
 Department: Higher Education Department Uttar Pradesh
 Organisation Name: Harcourt Butler Technological Institute
 Office Zone: Nawabganj Kanpur

Buyer Details

Name: Arun Maithani
 Designation: Professor
 Contact No.: 0512-2534000-
 Email ID: con1.hbtu.kanpur@gembuyer.in
 GSTIN: 09AAALH0730N1Z2
 Address: Companybagh Nawabganj,
 KANPUR NAGAR, UTTAR PRADESH-208002, India

Financial Approval Detail

IFD Occurrence : No
 Designation of Administrative Approval : REGISTRAR
 Designation of Financial Approval : vice chancellor

Seller Details

Company Name: SCIENTIFIC AID
 Contact No.: 9839044403
 Email ID: SCIENTIFICAID@GMAIL.COM
 Address: 104A/179,RAM BAGH,RAM BAGH,
 Kanpur Nagar, UTTAR PRADESH-208012, -

Product Details

| # | Item Description | Category Name | Model | Ordered Quantity | Unit | Price (Inclusive of all Duties and Taxes in INR) |
|----------------------------|-----------------------------|----------------------------|-------------------|------------------|--------|--|
| 1 | Magnetic Analytical Balance | Electronic Weighing Scales | WENSAR & MAB 220T | 1 | pieces | 46,080 |
| Total Order Value (in INR) | | | | | | 46,080 |

Consignee Detail

| S.No | Consignee | Item | Quantity | Expected Delivery Date |
|------|--|-----------------------------|----------|------------------------|
| 1 | Arun Maithani S K Sharma Associate Professor Landline-- buyer1.hbtu.kanpur@gembuyer.in Companybagh Nawabganj, KANPUR NAGAR, UTTAR PRADESH-208002, India | Magnetic Analytical Balance | 1 | 17-Nov-2019 |

Product Specification for Magnetic Analytical Balance

| Specification | Sub-Spec | Value |
|-------------------------------------|---|----------------------------------|
| STANDARDS | Conformity to Indian Standard, IS:9281-3 (1981) part I,II, III & Part IV (latest) | Yes |
| | BIS Marked | No |
| | CM/L No if Yes otherwise Put NA | NA |
| | CE Certified | Yes |
| | If CE certified then provide no and date, otherwise put NA | NA |
| Type of Electronic Weighing Machine | Type of Electronic Weighing Machine | Electronic Precision Pan Balance |
| | Rated Load/ Capacity(kg) | 220 gm |
| | Resolution(gms) | 0.1mg |
| | Class type | Class-I |
| | Display | lcd |

Organisation Details

Type: State Autonomous
 Ministry: -
 Department: Higher Education Department Uttar Pradesh
 Organisation Name: Harcourt Butler Technological Institute
 Office Zone: Nawabganj Kanpur

Buyer Details

Name: Arun Maithani
 Designation: Professor
 Contact No.: 0512-2534000-
 Email ID: con1.hbtu.kanpur@gembuyer.in
 GSTIN: 09AAALH0730N1Z2
 Address: Companybagh Nawabganj,
 KANPUR NAGAR, UTTAR PRADESH-208002, India

Financial Approval Detail

IFD Occurrence : No
 Designation of Administrative Approval : REGISTRAR
 Designation of Financial Approval : vice chancellor

Seller Details

Company Name: SCIENTIFIC AID
 Contact No.: 9839044403
 Email ID: SCIENTIFICAID@GMAIL.COM
 Address: 104A/179, RAM BAGH, RAM BAGH,
 Kanpur Nagar, UTTAR PRADESH-208012, -

Product Details

| # | Item Description | Category Name | Model | Ordered Quantity | Unit | Price (Inclusive of all Duties and Taxes in INR) |
|----------------------------|-----------------------------|----------------------------|-------------------|------------------|--------|--|
| 1 | Magnetic Analytical Balance | Electronic Weighing Scales | WENSAR & MAB 220T | 2 | pieces | 91,648 |
| Total Order Value (in INR) | | | | | | 91,648 |

Consignee Detail

| S.No | Consignee | Item | Quantity | Expected Delivery Date |
|------|--|-----------------------------|----------|------------------------|
| 1 | Arun Maithani S K Sharma Associate Professor Landline-- buyer1.hbtu.kanpur@gembuyer.in Companybagh Nawabganj, KANPUR NAGAR, UTTAR PRADESH-208002, India | Magnetic Analytical Balance | 2 | 02-Dec-2019 |

Product Specification for Magnetic Analytical Balance

| Specification | Sub-Spec | Value |
|---------------|---|----------------------------------|
| STANDARDS | Conformity to Indian Standard, IS:9281-3 (1981) part I,II, III & Part IV (latest) | Yes |
| | BIS Marked | No |
| | CM/L No if Yes otherwise Put NA | NA |
| | CE Certified | Yes |
| | If CE certified then provide no end date, otherwise put NA | NA |
| | Type of Electronic Weighing Machine | Electronic Precision Pan Balance |
| | Rated Load/ Capacity(kg) | 220 gm |
| | Resolution(gms) | 0.1mg |
| | Class type | Class-I |
| | Display | lcd |

Contract

Contract No: GEMC-511687787511207
Generated Date:26-Apr-2019

| Organisation Details | | Buyer Details | |
|----------------------|---|---------------|---|
| Type: | State Autonomous | Name: | Arun Maitani |
| Ministry: | - | Designation: | Professor |
| Department: | Higher Education Department Uttar Pradesh | Contact No.: | 0512-2534000- |
| Organisation Name: | Harcourt Butler Technological Institute | Email ID: | con1_hbtu.kanpur@gembuyer.in |
| Office Zone: | Nawabganj Kanpur | GSTIN: | 09AAALH0730N1Z2 |
| | | Address: | Companybagh Nawabganj, KANPUR NAGAR, UTTAR PRADESH-208002, India |

| Financial Approval Detail |
|---|
| IFD Occurrence : No |
| Designation of Administrative Approval : registrar |
| Designation of Financial Approval : vice chancellor |

| Seller Details | |
|----------------|---|
| Company Name: | ACCUMAX INDIA |
| Email ID: | varshanaautiyal2611@gmail.com |
| Address: | Janakpuri, West Delhi, DELHI-110058, - |

| Product Details | | | | | | |
|----------------------------|------------------|-------------------------------|-------------------|------------------|------|---|
| # | Item Description | Category Name | Model | Ordered Quantity | Unit | Price (Inclusive of all Duties and Taxes in INR) |
| 1 | VACUUM PUMP | heated display cases-hot case | Accumax Model-190 | 1 | - | 11,400 |
| Total Order Value (in INR) | | | | | | 11,400 |

| Consignee Detail | | | | |
|------------------|--|-------------|----------|------------------------|
| S.No | Consignee | Item | Quantity | Expected Delivery Date |
| 1. | Ashwani Kumar Rathore AP Landline-- buyer1.hbtu.kanpur@gembuyer.in Companybagh Nawabganj, KANPUR NAGAR, UTTAR PRADESH-208002, India | VACUUM PUMP | 1 | 11-May-2019 |

| Product Specification for VACUUM PUMP | | |
|---------------------------------------|--|------------|
| Specification | Sub-Spec | Value |
| GENERIC | Heating Chamber Size (IN Litres) | 0 |
| | Number of compartments (in nos) | 0 |
| | Maximum Hot Case temperature (Degree In C) | 0 |
| | Inside Finish | Painted MS |
| | Material of partition/Shelves | MS |
| | Temperature Control System | Electronic |
| | Type of Door/Shutter | Shutter |
| | Display of Hot Case Temp | No |
| CONSTRUCTIONAL | Material of Door | Other |
| | Over all Size (mm) | 1/4 |
| | Operating Voltage (Volt) | 230AC |
| | Weight (in Kg) | 50 |

Organisation Details

Type: State Autonomous
 Ministry: -
 Department: Higher Education Department Uttar Pradesh
 Organisation Name: Harcourt Butler Technological Institute
 Office Zone: Nawabganj Kanpur

Buyer Details

Name: Arun Maithani
 Designation: Professor
 Contact No.: 0512-2534000-
 Email ID: con1.hbtu.kanpur@gembuyer.in
 GSTIN: 09AAALH0730N1Z2
 Address: Companybagh Nawabganj,
 KANPUR NAGAR, UTTAR PRADESH-208002, India

Financial Approval Detail

IFD Concurrence : No
 Designation of Administrative Approval : REGISTRAR
 Designation of Financial Approval : vice chancellor

Seller Details

Company Name: ISO - TECH TECHNOLOGIES
 Contact No.: 9452895164
 Email ID: itvns@rediffmail.com
 Address: D59/365G-2H, JAI PRAKASH NAGAR, SIGRA VARANASI, SIGRA,
 Varanasi, UTTAR PRADESH-221010, -
 MSME verified: No

Product Details

| # | Item Description | Category Name | Model | Ordered Quantity | Unit | Price (Inclusive of all Duties and Taxes in INR) |
|----------------------------|------------------|-----------------------|--|------------------|--------|--|
| 1 | BOD Incubator | Laboratory Incubators | THERM STAR DELUX BOD INCUBATOR-KBD-99 (WC) | 1 | pieces | 87,980 |
| Total Order Value (in INR) | | | | | | 87,980 |

Consignee Detail

| S.No | Consignee | Item | Quantity | Expected Delivery Date |
|------|--|---------------|----------|------------------------|
| 1 | Arun Maithani S K Sharma Associate Professor Landline-- buyer1.hbtu.kanpur@gembuyer.in Companybagh Nawabganj, KANPUR NAGAR, UTTAR PRADESH-208002, India | BOD Incubator | 1 | 16-Feb-2020 |

Product Specification for BOD Incubator

| Specification | Sub-Spec | Value |
|---------------|---|--|
| Standards | Conformity to Standards | CE |
| | Certification number and date | C-GI-1001-0064 and 4 Oct 18 |
| | Conformity to standard for for electrical safety latest amendment | IEC - 61010 |
| | Purpose | Bacteriological incubator are used for the incubation of biological products under controlled conditions |
| | Type of Incubator | BOD Incubator |
| | Capacity in liters | 100-200 |
| | Material of Inner Chambers | SS 304 |
| | Material of Outer Chamber | SS |
| | Ambient Temperature in °C | 5°C to 60 °C (BOD Incubator) |

Letter No: 549/MED/Ext/2019

Dated: ~~26/12/2019~~

09.01.2020

HOD-MED/ Dean, SoE/Coordinator TEQIP-III

This has reference of Seed Money start up project (component code 1.1.2.5 Research & development) on "Development of 3D printer for soft robotics applications" of budget Rs 2.00 lac approved Hon'ble V.C. vide letter no: 598/R&D/2019 dated 8/06/2019 (photocopy enclosed). Please also find enclosed herewith the list of items approved in the proposal under cost estimation.

Few items were purchased through DPC as below:

| | Item | Invoice details | Amount |
|---|-----------------------------------|---|-----------|
| 1 | Items for frame of the 3D printer | No:70 Dated Nov 18, 2019 Swarup Corporation, Kanpur | 17,700=00 |
| | | Total Rs | 17,700=00 |
| | | <i>Seventeen thousand seven hundred seventy only</i> | |

Original invoices have enclosed herewith. All items are entered in stock register (page 01) for projects of Deptt. Amount of Rs 17,700=00 is paid by me. So, it is requested to reimburse amount Rs 17,700=00 to me.

Encl: as above

Few items were purchased through DPC as below:

26/12/19
(Jitendra Bhaskar)

PI of the project &

Associate Professor, MED

Coordinator Report

forwarded from PI.

[Signature]
3.01.2020

Prof. Rajive G...
H.B. Technical University
Kanpur-208002

&
Dean
School of Engineering
H.B. Technical University
KANPUR-208002

Letter No...../ME/Ext/2021

Date: 27/01/2021

HOD,ME/Dean SOE/Coordinator TEQIP-III

This has reference of TEQIP-III letter no. 312/TEQIP-III dated Feb 23, 2018 regarding action plan. There is provision for motivating and facilitating to faculty for **Qualification Upgradation** as per Permissible and Non-permissible 1.1.2.1 (a)I rules in TEQIP-III. It was proposed by MED for allocation of funds under qualification upgradation for me (J. Bhaskar) for pursuing **PhD from IIT Kanpur**. I am pursuing **PhD** program (Roll No. 13205068) at Mechanical Engineering Department, IIT Kanpur since December 2013.

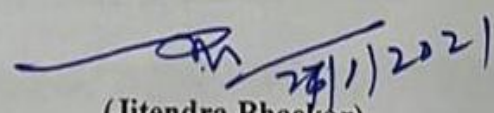
Following are the details of fee paid to IIT Kanpur for academic fee as following:

| Sl No. | Registration details | Academic fee (Rs) | Transaction details |
|--------|---|---------------------|--|
| 2 | Even Semester 2020-21 Date: December 26, 2020 <i>(Enclosed)</i> | 28450=00 | IIT Gateway.....Transaction. ID-70002012552 (State Bank of India) Dated 26/12/2020 (Time 17:20:58) IITK reference-206717 |
| | Total | Rs 26,350=00 | (Twenty Six Thousand Three Hundred Fifty Only) Receipt Enclosed |

It is requested to reimburse **Rs 26,350=00** (Twenty Six Thousand Three Hundred Fifty Only) to me under TEQIP-III rules of faculty qualification upgradation.

Encl: Registration details | Academic | Transaction details

1. Receipt of IIT Kanpur
2. Academic Registration details
December 2021 (2nd Sem.)


(Jitendra Bhaskar)
Assoc. Professor, MED

