



**INSTITUTE OF SCIENCE AND TECHNOLOGY(Autonomous)  
Jawaharlal Nehru Technological University Hyderabad  
Kukatpally, Hyderabad., Andhra Pradesh.-500085**

***Technical Education Quality Improvement Programme , [TEQIP] PHASE – II***

**AGENDA AND NOTES FOR THE FIRST MEETING OF THE GOVERNING BODY OF IST,  
TO BE HELD ON 26.11.2014 AT 11:00AM AT THE MEETING HALL, INSTITUTE OF SCIENCE & TECHNOLOGY, JNTUH**

| AGENDA      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
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| Item No     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ANNEXURE           |
| 01/1BoG_Nov | 1.1 Briefing about IST and grant of TEQIP II<br>1.2 Formation of Institutional Level TEQIP-II committees for smooth functioning of TEQIP with faculty members<br>1.3: Approval of the Bye – Laws and Allowances of the Governing Council                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | I<br><br>II        |
| 02/1BoG_Nov | 2.1 Presentation of the IDP proposal before the committee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| 03/1BoG_Nov | 3.1 Presentation on proposed academic activities under TEQIP II, before the committee for consideration in the first phase for the period Nov-2013 to June., 2014.<br>3.2 Ratification of training programs attended by Faculty of the institute<br>3.3 Ratification of Faculty & Staff Development Programs planned in the first phase for the period Nov-2013 to June., 2014.<br>3.4 Ratification of the Remedial classes for first year students under Equity Action Plan (EAP)<br>3.5 Ratification of the Teaching and Research Assistance ship for P.G. & Ph.D. Programmes<br>3.6 Ratification of the Honorarium to be Provided for Resource Persons for Various Training Programs / Workshops/ Conferences/ Expert Lectures and amount to be Spent on Expenditure for Organizing Workshops/ Conferences and Other Technical Events | III<br><br>IV<br>V |
| 04/1BoG_Nov | 4.1 Formation of Industry Institute Interaction Cell with internal committee members<br>4.2 To consider and approve IIC Partners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| 05/1BoG_Nov | 5.1 Presentation on proposed procurement plans under TEQIP II, before the committee for consideration in the first phase for the period Nov-2013 to June., 2014.<br>5.2 Approval and consideration for establishment of TEQIP Office .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | VI                 |
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| 07/1BoG_Nov | 7.1 Permission and ratification of appointment of<br>(i) data entry operator (ii) accountant/clerk /attender for duration of the TEQIP-II at the institute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| 08/1BoG_Nov | 8.1 Guidelines for foreign visits by faculty members attending training / conferences under TEQIP-II: national and international                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| 09/1BoG_Nov | 9.1 Permission to revise procurement plan as and when necessary with the consent of the Chairperson, to be approved in the next BoG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
| 10/1BoG_Nov | 10.1 Permission to revise TNA plan in the IDP as and when necessary with the consent of the Chairperson, to be approved in the next BoG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| 11/1BoG_Nov | 11.1 Any other item with the permission of the Chairperson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |



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*Technical Education Quality Improvement Programme , [TEQIP] PHASE – II*

1<sup>st</sup> Meeting of Board of Governors and members  
Presided by  
Hon'ble Chairperson : Dr. K.V. Raghavan

Venue: Meeting Room, New IST Office, JNTUH

Date: 26<sup>th</sup> Tuesday, Nov., 2013

Time: 11:00 AM

| S.No                                                                                              | Name of the member                                                                | Designation |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|
| 1.                                                                                                | Dr.K.V.Raghavan<br>INA Distinguished Prof. and Ex. Director, CIR-IICT             | Chairperson |
| 2.                                                                                                | Dr.Murali K.Tummuru, Managing Director, Virchow Biotech Pvt. Ltd.                 | Member      |
| 3.                                                                                                | Dr.M.Siva Kumaran, Director, Aurobindo Pharma Ltd.                                | Member      |
| 4.                                                                                                | Dr.B.Venkateswara Rao, Professor of WR.,& Director, SCDE, JNTUH                   | Member      |
| 5.                                                                                                | Dr.M.Anji Reddy, Prof. of EST, Director, DUFR, JNTUH                              | Member      |
| 6.                                                                                                | Dr.M.Lakshmi Narasu, Prof. of Biotechnology, Centre for Biotechnology, IST, JNTUH | Member      |
| 7.                                                                                                | Dr.K.Mukkanti, Prof. of Chemistry, Director, IST, JNTUH.                          | Member      |
| 8.                                                                                                | Dr.G.K.Viswanadh, Prof. of Civil Engg., and Director, Academic & Planning, JNTUH  | Member      |
| Special Invitees from Govt. organizations, R&D laboratories , Industry and IST JNTUH TEQIP Mentor |                                                                                   |             |

| ITEM NO     | AGENDA                                                                                                                                                                                                                                                                           |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01/1BoG_Nov | 1.1 Briefing about IST and grant of TEQIP II : Selection and signing of M.O.U<br>1.2 Formation of Institutional Level TEQIP-II committees for smooth functioning of TEQIP with faculty members.<br>1.3 <b>Approval of the Bye – Laws and Allowances of the Governing Council</b> |

### 1.1 Briefing about IST and grant of TEQIP II

- JNTUH Institute of Science & Technology, Hyderabad has been included in the project “Technical Education Quality Improvement Programme , [TEQIP] PHASE – II” under SC 1.2.
- Orientation Programme for 2<sup>nd</sup> cycle Institutions of TEQIP-II under SC 1.2, On 10<sup>th</sup> October, 2013
- Entered in to MoU with Govt. of A.P. on 29<sup>th</sup> Oct., 2013 for implementation of TEQIP project.  
 The Project will focus on the following objectives:
  - ✦ Strengthening Institutions to produce high quality engineers for better employability,
  - ✦ Scaling-up postgraduate education and demand-driven Research & Development and Innovation,
  - ✦ Establishing Centers of Excellence for focused applicable research,
  - ✦ Training of faculty for effective Teaching, and
  - ✦ Enhancing Institutional and System Management effectiveness.

**The Governing Council may be resolved to ratify the action of the Director, IST, JNTUH. .**

### 1.2 Formation of Institutional Level TEQIP-II committees for TEQIP with faculty members (Annexure 1) and Honorarium to the Director, coordinator and Nodal Officers.

As per the SPFU guidelines, Honorarium to the Director, coordinator and Nodal Officers is as follows.

- Honorarium to the Director, Coordinator : Rs 5,000/- pm during TEQIP II phase.
- Honorarium to the Nodal officer : Rs 4,000/- pm during TEQIP II phase.

**The Governing Council may consider and approve the honorarium to the above members.**

### 1.3: Approval of the Bye – Laws and Allowances of the Governing Council

The Governing Council with 08 members has been constituted as per the norms of NPIU and the list of the Governing Council members is enclosed in the **Annexure 2**.

The proposed remuneration and TA/DA for the Governing Council is as follows:

- a) Sitting allowance of Rs.3,000/- per sitting.
- b) Local conveyance by permitting Car.
- c) Actual boarding & lodging expenditure.
- d) TA & DA as per A.P. TA/DA rules. However for the Chairman/external Member may be permitted to travel in the Air/Car, wherever applicable, shall be permitted.

**The Governing Council may consider and approve the bye-laws & allowances for Governing Council.**

|             |                                                                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 02/1BoG_Nov | <b>2.1 Presentation of the IDP proposal before the committee</b><br><b>The Governing Council considered and ratified the action of the then Director, IST.</b> |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP), Phase II**

**INDICATIVE CATEGORY WISE FUNDING FOR SC 1.2 Govt. Institutions**

| Sl. No                                | Activities                                                                                                                                                           | Category of expenditure                       | %          | Cost (crore) |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------|--------------|
| 1                                     | Improvement in Teaching, Training and learning facilities                                                                                                            | i) Procurement of goods                       | 40         | 5.00         |
| a) Equipment for new PG Programmes    |                                                                                                                                                                      |                                               |            |              |
| b) Furniture                          |                                                                                                                                                                      |                                               |            |              |
| c) Books & LRs, Software              |                                                                                                                                                                      |                                               |            |              |
| d) Minor items                        |                                                                                                                                                                      |                                               |            |              |
| ii) Refurbishment (Minor Civil Works) |                                                                                                                                                                      | 3                                             | 0.38       |              |
| iii) Consultant Services              | 2                                                                                                                                                                    | 0.25                                          |            |              |
| 2                                     | Providing Teaching and Research Assistantships for significantly increasing enrolment in existing and new Masters and Doctoral programmes in Engineering disciplines | Teaching and Research Assistantships          | 20         | 2.50         |
| 3                                     | Enhancement of R&D and Institutional consultancy activities                                                                                                          | Research and Development                      | 5          | 0.63         |
| 4                                     | Faculty and Staff development for improved competence based on Training Needs Analysis (TNA)                                                                         | Faculty and Staff Development                 | 10         | 1.25         |
| 5                                     | Enhanced interaction with Industry                                                                                                                                   | Industry Institute Interaction                | 5          | 0.63         |
| 6                                     | Institutional Management Capacity enhancement                                                                                                                        | Institutional Management Capacity Enhancement | 2          | 0.25         |
| 7                                     | Implementation of Institutional reforms                                                                                                                              | Institutional reforms                         | 1          | 0.13         |
| 8                                     | Academic support for weak students                                                                                                                                   | Academic Support for weak students            | 2          | 0.25         |
| 9                                     | Incremental Operating Cost                                                                                                                                           | Incremental Operating Cost <sup>25</sup>      | 10         | 1.25         |
| <b>TOTAL</b>                          |                                                                                                                                                                      |                                               | <b>100</b> | <b>12.50</b> |

**3.1** Presentation on proposed academic activities under TEQIP II, before the committee for consideration in the first phase for the period Nov-2013 to June., 2014. **ANNEXURE : 3**

**3.2** Ratification of training programs attended by Faculty of the institute: **ANNEXURE : 4**

**3.3** Ratification of Faculty & Staff Development Programs planned in the first phase for the period Nov-2013 to June., 2014. **ANNEXURE : 5**

**3.4** Ratification of the Remedial classes for first year students under Equity Action Plan (EAP)

It is proposed to provide academic support for weak students to improve the student's transition from first year to second year of PG programs by conducting remedial classes after the college hours.

The teachers may be drawn from IST faculty, faculty from outside or meritorious senior students.

They may be paid the following remunerations:

- a) Remuneration of Rs.500/- per session of 1hr for the College or Outside faculty only.
- b) TA & DA will be given only for out station persons as per A.P. TA/DA rules for production of original tickets.

**The Governing Council may consider and approve the same.**

### **3.5 Ratification of the Teaching and Research Assistance ship for P.G. & Ph.D. Programmes**

Important component in TEQIP-II is to provide teaching & Research Assistantship to PG/PhD students to increase enrolment in existing PG/PhD programmes, starting new PG programmes, etc. Increased output of postgraduates and doctorates is of crucial importance for meeting the large requirements of faculty and for meeting the needs of the industry. It is also essential to encourage the passing out graduates to join PG programmes and also pursue research programmes for being employed as faculty and starting of new PG programmes could also be a part of the proposal. The non-GATE qualified students selected by the institution will receive teaching / research assistance ships, for which they have to devote 8-10 hours per week in classroom and laboratory assignments during project period.

#### **Guidelines for Teaching/Research assistance ship:**

1. The only Non-GATE students are eligible for teaching/research assistance ship and they should not receive any assistance ship from AICTE/UGC/A.P. Welfare scholarships.
2. The PG students should be selected only merit basis.
3. The PG students will be paid of Rs.8000/- per month for teaching assistance ship for 10 months in the academic year.

4. The regular Ph.D. Research scholars (Two from each Center) will be paid of Rs.14,000/- per month for research assistance ship for two years under TEQIP-II. After the completion of TEQIP-II project the expenditure may met from the Corpus fund account of the college with the permission from University.

**The Governing Council may discuss and approve the above guidelines for Teaching & regular Research assistance ship.**

**3.6 Ratification Of The Honorarium To Be Provided For Resource Persons For Various Training Programs / Workshops/ Conferences/ Expert Lectures And Amount To Be Spent On Expenditure For Organizing Workshops/ Conferences And Other Technical Events**

Resource persons shall be paid :

- a) Honorarium of Rs.3,000/- per session of 1hr. 30 min., and maximum of 2 sessions per day (one is morning & one is afternoon).
- b) Car may be taken for rent for providing local conveyance and the maximum allowance of Rs.1500/- per day.
- c) Actual boarding, lodging & hospitality expenditure subject to a max. of Rs.1,000/- per day.
- d) TA & DA as per A.P. TA/DA rules. However for the resource persons drawn from reputed institutions (like IITs, IIMs, NITs and other institutions of national repute) Air-Travel, wherever applicable, shall be permitted.

In addition,

1. The expenditure towards stationery, printing postage and other miscellaneous organizing expenditure (Inauguration and valedictory) shall be met from TEQIP-II funds.
2. The total actual expenditure less the receipts in the form of donations, sponsorships, delegation/ course fee of the participants shall be paid from the TEQIP-II funds. The details are given below.

| S.No. | Program Days | Workshop/Conference/Seminar<br>(amount in Rs.) |               |
|-------|--------------|------------------------------------------------|---------------|
|       |              | National                                       | International |
| 1     | One day      | 75,000-00                                      | 1,00,000-00   |
| 2     | Two day      | 1,25,000-00                                    | 2,00,000-00   |
| 3     | Three day    | 1,75,000-00                                    | 3,00,000-00   |

3. Printing of proceedings/abstracts can be done with standard publishers who can provide ISBN Number.
4. Advance amount of Rs.15,000/- will be paid to Coordinator to meet the petty expenditure and the remaining expenditure will be paid to the concerned through cheque by TEQIP office after certifying the concerned coordinator.
5. The advance amount should be settled within 15 days after completion of the programme.

**The Governing Council may discuss and approve the above.**

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| <p><b>04/1BoG_Nov</b></p> | <p><b>4.1 To consider and approve Industry Institute Interaction Cell with internal committee members</b></p> <p><b>Director : Dr. K.Mukkanti</b><br/> <b>Coordinator : Dr.T.Vijaya lakshmi</b><br/> <b>Finance Nodal Officer : Dr.Ch.Sasikala</b><br/> <b>Members : two faculty members from Centers.</b></p> <p><b>The Governing Council may consider and approve the above.</b></p> <p><b>4.2 IIIC Partners</b></p> <ul style="list-style-type: none"> <li>• M/S. Yegna Laboratories Pvt Ltd</li> <li>• M/S. NRR Laboratories</li> <li>• M/S. Dr.Reddy’s Laboratories</li> <li>• M/S Biovision crop sciences</li> <li>• M/S So MPhytopharma</li> <li>• M/S. Environmental Solutions Pvt.Ltd. (ESPL)</li> <li>• M/S. Mobiterra Solutions (I) Pvt Ltd. HYD</li> <li>• M/S Remote sensing Instruments</li> <li>• M/S.IICT</li> <li>• M/S.ARCI</li> <li>• M/S.DRDO</li> <li>• M/S.Dr. Reddy’s Laboratories</li> <li>• M/S.Central University</li> <li>• NIT</li> <li>• M/S.National Geophysical Research Laboratory, Hyderabad</li> <li>• M/S.International Water Management Institute, ICRISAT campus, HyderaBAD</li> <li>• M/S.ICRISAT, Hyderabad</li> <li>• M/S.National Remote Sensing Centre, Hyderabad</li> <li>• M/S.CRIDA</li> <li>• M/S.INCOIS</li> <li>• M/S.WALAMTARI</li> <li>• M/S.NIRD</li> </ul> <p><b>The Governing Council may consider and approve the above.</b></p> |
| <p><b>05/1BoG_Nov</b></p> | <p>5.1 Presentation on proposed procurement plans under TEQIP II, before the committee for consideration in the first phase for the period Nov-2013 to June., 2014. <b>ANNEXUR E: 6</b></p> <p>5.2 Approval and consideration for establishment of TEQIP Office .</p> <p>It is proposed to establish TEQIP Office with furniture with almirahs, tables, chairs, computers (desktop and laptop ) with internet facility.<br/> The estimated cost towards establishment of the above is Rs 3.00 lakhs.</p> <p><b>The Governing Council may consider and approve the above.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| <p><b>06/1BoG_Nov</b></p> | <p>6.1 Ratification of Expenditure incurred during TEQIP II orientation program at IST. , to the faculty and staff on 10<sup>th</sup> October 2013.</p> <p>An orientation program to the faculty and staff of IST was organized on 10<sup>th</sup> Oct., 2013 by SPFU staff members, at IST. An amount of Rs 24,000 /- was incurred in organizing the above orientation program.</p> <p style="text-align: center;"><b>The Governing Council may consider and ratify the above.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p><b>07/1BoG_Nov</b></p> | <p>7.1 Permission and ratification of appointment of (i) MIS staff (ii) accountant (iii) clerk (iv) attender for duration of the TEQIP-II at the institute .</p> <p>It is proposed to recruit (i) MIS staff (ii) accountant (iii) clerk (iv) attender. for smooth function of TEQIP phase II project at IST, JNTUH.</p> <p>Salary for the TEQIP Phase II period to the above staff may b fixed as follows.</p> <p>(i) MIS staff ( B.Tech / M.Tech) : Rs 15,000 /- per month</p> <p>(ii) accountant ( B.Com/ M.Com / MBA) : Rs 15,000 /- per month</p> <p>(iii) Clerk ( B.Com) : Rs 8,400 /- per month</p> <p>(iv) attender ( 10 class ) : Rs 6,700 /- per month</p> <p style="text-align: center;"><b>The Governing Council may consider and approve the above.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p><b>08/1BoG_Nov</b></p> | <p><b>Guidelines for foreign visits by faculty members attending training / conferences under TEQIP-II</b></p> <p>Under the TEQIP-II programme faculty members of the institution are encouraged to attend International conferences/seminars abroad for presenting technical papers and to participate in conferences, seminars and Training programmes.</p> <p><b>Eligibility:</b></p> <ul style="list-style-type: none"> <li>• All the faculty members of the institution are eligible for attending the international conferences, seminars and training programs organized by reputed Institutions outside India.</li> <li>• The faculty member has to apply to the head of the institution through proper channel along with a letter of acceptance of the paper to be presented in the conference/seminar or permission from the training agency in case of training programmes.</li> <li>• The faculty member shall have a valid passport at the time of processing the application.</li> <li>• The selection of eligibility criteria will be verified by the Screening Committee as per prescribed guidelines issued by the NPIU.</li> <li>• The faculty member shall obtain permission from the Governing Council and SPFU, Hyderabad.</li> </ul> <p><b><u>Financial assistance for international conferences/seminars/training programmes organized outside India</u></b></p> <ul style="list-style-type: none"> <li>• Actual To and fro air fare to the place of the conference/training /Workshop. (It is advisable that the participant plans his/her visit well in advance so that he/she can block the air tickets in various economy schemes). If the participant wishes to travel by any</li> </ul> |



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|  | <p>airlines other than Indian Air Lines/ Air India, he/ she should ensure that the fare on that day of booking is cheaper than Indian Air Lines/ Air India.</p> <ul style="list-style-type: none"> <li>• Registration fee for the conference along with pre conference workshops/training fee if any</li> <li>• Medical Insurance for the travel and stay period.</li> <li>• Visa processing fee including local TA/DA (as per A.P. TA/DA rules), if any</li> <li>• Actual Accommodation charges (bills to be produced) for the period of conference/training programme/workshop (not to exceed US \$ 150 per day).</li> <li>• Daily allowance of US \$100 per day (This includes local conveyance at the place of conference/Training /Workshop, boarding etc.)</li> <li>• During the additional stay the faculty member will not be paid accommodation charges &amp; no travel or local conveyance charges are permitted for this period of additional stay.</li> <li>• Each faculty member is permitted to undergo training only once during TEQIP-II period and they permitted second time provided the availability of the funds and approval from BOG &amp; SPFU.</li> </ul> <p>The Governing Council discuss and approve the above guidelines for the faculty attending conferences/seminars/training programmes to outside India. However, the DA and accommodation charges may be paid as per the University/government/UGC.</p> <p style="text-align: center;"><b>The Governing Council may consider and approve the above.</b></p> |
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| <p><b>09/1BoG_Nov</b></p> | <p><b>9.1 Permission to revise procurement plan as and when necessary with the consent of the Chairperson, to be approved in the next BoG</b></p> <p>Approval and permission may be given to consider and revise the IDP, as and when necessary.</p> <p style="text-align: center;"><b>The Governing Council may consider and approve the above.</b></p> |
| <p><b>10/1BoG_Nov</b></p> | <p><b>10.1 Permission to revise TNA plan in the IDP as and when necessary with the consent of the Chairperson, to be approved in the next BoG</b></p> <p>Approval and permission may be given to consider and revise the IDP, as and when necessary.</p> <p style="text-align: center;">The Governing Council may consider and approve the above.</p>    |
| <p><b>11/1BoG_Nov</b></p> | <p><b>11.1 Any other item with the permission of the Chairperson</b></p>                                                                                                                                                                                                                                                                                 |

**Annexure: 1****Name of the Institution: JNTUH Institute of Science and Technology****Names of Head of Institution and Project Nodal Officers**

| Head & Nodal Officer    | Name          | Phone Number | Mobile Number | Fax Number   | E-mail Address                                                                                                                   |
|-------------------------|---------------|--------------|---------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|
| Head of the Institution | Dr.K.Mukkanti | 040-23156128 | 9963909007    | 040-23058729 | <a href="mailto:kmukkanti@yahoo.com">kmukkanti@yahoo.com</a><br><a href="mailto:kmukkanti@jntuh.ac.in">kmukkanti@jntuh.ac.in</a> |

**Project Nodal Officers for:**

|                                     |                                                                        |                                      |                          |              |                                                                                                                                                                  |
|-------------------------------------|------------------------------------------------------------------------|--------------------------------------|--------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Financial Aspects                   | Dr.Ch.Sasikala<br>Professor,CEN,IST                                    | 040-23155413                         | 9000796341               | 040-23058729 | <a href="mailto:Sasi449@yahoo.ie">Sasi449@yahoo.ie</a><br><a href="mailto:Sasi449@jntuh.ac.in">Sasi449@jntuh.ac.in</a>                                           |
|                                     | Dr.K.Subrahmanyam<br>Assist. Registrar                                 | 040-32405054                         | 8008103040               | 040-23058729 |                                                                                                                                                                  |
| Management Information System (MIS) | Mr.L.Saida<br>Asst.Professor,<br>CBT,IST                               | 040-23156129                         | 9618528040               | 040-23058729 | <a href="mailto:lavudisaida@jntuh.ac.in">lavudisaida@jntuh.ac.in</a><br><a href="mailto:lavudi_saida@yahoo.com">lavudi_saida@yahoo.com</a>                       |
|                                     | Dr.Archana Giri<br>Asst.Professor,<br>CBT,IST                          | 040-23156129                         | 9849028367               | 040-23058729 | <a href="mailto:archanagiriin@yahoo.co.in">archanagiriin@yahoo.co.in</a><br><a href="mailto:archanagiriin@jntuh.ac.in">archanagiriin@jntuh.ac.in</a>             |
| PROCUREMENT                         | Dr.K.Ramohan Reddy<br>Professor,<br>CWR,IST                            | 040-23155412                         | 8978701133               | 040-23058729 | <a href="mailto:kasaramohan@gmail.com">kasaramohan@gmail.com</a><br><a href="mailto:kasaramohan@jntuh.ac.in">kasaramohan@jntuh.ac.in</a>                         |
|                                     | Ms.Ch.Shilpa Chakra<br>Asst.Professor,<br>CNST,IST                     | 040-23050876                         | 7799438736               | 040-23058729 | <a href="mailto:Shilpachakra.nano@gmail.com">Shilpachakra.nano@gmail.com</a><br><a href="mailto:Shilpachakra.nano@jntuh.ac.in">Shilpachakra.nano@jntuh.ac.in</a> |
| ACADEMIC ACTIVITIES                 | Dr.T.Vijayalakshmi<br>Asst.Professor,CEN<br>&<br>Coordinator, TEQIP_II | 040-23155413<br>23158661<br>Ext-3497 | 9440896661<br>9704696661 | 040-23058729 | <a href="mailto:tatiparti@yahoo.com">tatiparti@yahoo.com</a><br><a href="mailto:tatiparti@jntuh.ac.in">tatiparti@jntuh.ac.in</a>                                 |

**Annexure: 2****BOG Members Contact Details: IST, JNTUH**

| S.No | Name of the member                                                                                                                                       | Designation in the Governing Council | Contact Details                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.   | Dr.K.V.Raghavan<br>INA Distinguished Prof. and Ex.<br>Director, CIR-IICT,<br>Tarnaka,Hyderabad 500 007                                                   | Chairperson                          | Phone: +09000102773(M)<br>040-27193119(O)<br>kondapuramiict@yahoo.com                                                                                                                 |
| 2.   | Dr.Murali K.Tummuru, Managing<br>Director, Virchow Biotech Pvt. Ltd.<br>Plot No.4, S.V. Co-op. Industrial<br>Estate,IDA Jeedimetla,<br>Hyderabad 500 055 | Member                               | Phone: 9700017846(M)<br>040-64513375(O)<br>040-64513376(O)<br>mtummuru@yahoo.com                                                                                                      |
| 3.   | Dr.M.Siva Kumaran, Director,<br>Aurobindo Pharma Ltd. Auro<br>House313,Bachupally,Quthubullapur<br>(M) R.R.Dist. Hyderabad 500 090                       | Member                               | Phone: 040-67074058(O)<br>m.sivakumaran@aurobindo.com                                                                                                                                 |
| 4.   | Dr.B.Venkateswara Rao, Professor of<br>Water Resources & Director, SCDE,<br>JNTUH                                                                        | Member                               | Phone: 8008103802(M)<br>9849585290(M)<br><a href="mailto:cwr_jntu@yahoo.com">cwr_jntu@yahoo.com</a><br><a href="mailto:cwr_jntu@jntuh.ac.in">cwr_jntu@jntuh.ac.in</a>                 |
| 5.   | Dr.M.Anji Reddy, Prof. of EST &<br>Director, DUFR, JNTUH                                                                                                 | Member                               | Phone: 8008103812(M)<br>040-23152329(O)<br><a href="mailto:director.urf@jntuh.ac.in">director.urf@jntuh.ac.in</a><br><a href="mailto:anjijaya@sify.com">anjijaya@sify.com</a>         |
| 6.   | Dr.M.Lakshmi Narasu, Prof. of<br>Biotechnology, Centre for<br>Biotechnology, IST, JNTUH                                                                  | Member                               | Phone: 9490173899(M)<br>040-27891230(O)<br><a href="mailto:mangamoori@gmail.com">mangamoori@gmail.com</a><br><a href="mailto:mangamoori@jntuh.ac.in">mangamoori@jntuh.ac.in</a>       |
| 7.   | Dr.K.Mukkanti, Prof. of Chemistry,<br>Centre for Chemical Sciences and<br>Technology & Director, IST,<br>JNTUH.                                          | Member                               | Phone: 8008103809(M)<br>9963909007 9(M)<br>040-23156128(O)<br><a href="mailto:kmukkanti@jntuh.ac.in">kmukkanti@jntuh.ac.in</a><br>kmukkanti@yahoo.com                                 |
| 8.   | Dr.G.K.Viswanadh, Prof. of Civil<br>Engg., and Director, Academic &<br>Planning, JNTUH                                                                   | Member                               | Phone: +9849163875 (M)<br>040-23156115(O)<br><a href="mailto:gorti_gkv@yahoo.co.in">gorti_gkv@yahoo.co.in</a><br><a href="mailto:gkviswanadh@jntuh.ac.in">gkviswanadh@jntuh.ac.in</a> |

**Proposed Academic Activities Under TEQIP II:**

**Conduction of Conferences/ workshop/ symposium/ training programs/ expert lectures to be organized:**

**Centre for Bio-Technology:**

| S.No | Program                                    | Duration |
|------|--------------------------------------------|----------|
| 1    | Training Program on Bioinformatics         | 2 Weeks  |
| 2    | Training Program on Metabolic Engineering  | 1 Week   |
| 3    | Training Program on Bioprocess Engineering | 1 Week   |
| 4    | Training Program on Microarrays            | 3 Days   |

**Centre for Chemical Sciences and Technology:**

| S.NO | Name of the Faculty Member | Title of Conference/Seminar/Workshop                                           | Tentative Dates    | Budget in Rs. |
|------|----------------------------|--------------------------------------------------------------------------------|--------------------|---------------|
| 1    | Dr.Pramod Kumar            | Recent Trends in chemical Engineering                                          | 25-26, April, 2014 | 2,00,000.00   |
| 2    | Dr.K.Mukkanti              | National workshop on Green Chemistry                                           | Jan , 2014         | 2,00,000.00   |
| 3    | Dr. A.Jayashree            | Conference on Chemistry of Drugs                                               | April 2014         | 4,00,000.00   |
| 4    | Dr.T.Bala Narasaiah        | Modern Trends in Separation techniques                                         | June 2014          | 2,00,000.00   |
| 5    | Dr.AVN. Swamy              | Novel approaches in industrial waste water treatment                           | Jan 2014           | 1,00,000.00   |
| 6    | Mrs.Meenakshi              | Modern approaches in Reactor designing                                         | March 2014         | 1,00,000.00   |
| 7    | Dr.Sadanandam Palle        | Recent trends in Organic synthesis                                             | March 2014         | 1,00,000.00   |
| 8    | Dr.K.Mukkanti              | International conference on Chemistry and its applications in Chemical Biology | May 2014           | 4,00,000.00   |
| 9    | Dr.A.Jayashree             | Workshop on Green chemistry in drug synthesis                                  | Jan 2014           | 2,00,000.00   |

**Centre for Environment:**

| Sl. No. | Title                                                            | Duration          | Amount     |
|---------|------------------------------------------------------------------|-------------------|------------|
| 1       | 2 day National workshop on “Avenues in Research and Development” | Feb., 27-28, 2014 | 1,50,000/- |
| 2       | National workshop on “Environmental biotechnology                | January 2014      | 1,50,000/- |
| 3       | National conference on Pollution control technologies            | March 2014        | 1,50,000/- |

**Centre for Nano Science and Technology:**

| Sl.No | Name of the program                   | Duration | Proposed Amount (Rs) |
|-------|---------------------------------------|----------|----------------------|
| 1     | Training program on Nanotechnology    | 1 week   | 1,00,000.00          |
| 2     | Training program on Nanobiotechnology | 1 week   | 1,00,000.00          |

**Centre for Water Resources:**

| S.NO | Title of Conference/Seminar/Workshop                                                | Duration         | Tentative Dates    | Budget in Rs. |
|------|-------------------------------------------------------------------------------------|------------------|--------------------|---------------|
| 1    | Two day National workshop on rainwater harvesting in urban scenario using geomatics | 2 Days           | 30-31 January 2014 | 1,50,000/-    |
| 2    | Training program on 3D Resistivity Imaging                                          | 7days            | January 2014       | 1,00,000/-    |
| 3    | Training program on geospatial applications for groundwater management              | 14days (2 weeks) | 24-29 March 2014   | 5,00,000/-    |
| 4    | Training program on Visual Mod flow software applications                           | 5days            | Feb-March 2014     | 80,0000/-     |
| 5    | Two days national conference on climate change and its effect on irrigation         | 2 Days           | 27-28 June 2014    | 3,00,000/-    |

**Invited expert lectures:****Centre for Bio-Technology:**

- a. Planning Total 12 Expert Lectures
- Prof. Harvindar Oberai - Punjab University
- Prof. Gummadi Satyanarayana - IIT Madras
- Dr. Sanjay Ghosh - IIT Kharagpur

**Centre for Chemical Sciences and Technology:**

| Name of the Centre : Centre for Chemical Sciences & Technology |                                                        |                                 |                                        |
|----------------------------------------------------------------|--------------------------------------------------------|---------------------------------|----------------------------------------|
| Name of the Faculty In-charge : Dr.Pramod Kumar                |                                                        |                                 |                                        |
| S.No                                                           | Name of the Expert Speaker and Affiliation             | Areas of specialization / Topic | Tentative date / month of invited talk |
| 1                                                              | Dr.Deepak Kunzru, IIT Kanpur                           | Chemical engineering            | April 2014                             |
| 2                                                              | Dr.Ch.Venkateswarlu, BVRIT, Hyderabad                  | Chemical engineering            | May 2014                               |
| 3                                                              | Dr.V.V. Basava raj, Vice Principal, College of Tec, OU | Chemical engineering            | March 2014                             |
| 4                                                              | Dr.CH.Sailu, Principal, College of Tech, OU            | Separation techniques           | Mar 2014                               |
| 5                                                              | Dr.KK.Pant, IIT Delhi                                  | Chemical engineering            | June 2014                              |
| 6                                                              | Prof.M.Bhagvanth Rao, Director, Anurag Group           | Chemical engineering            | Feb 2014                               |
| 7                                                              | Dr.A.Mohemir, IIT, Bombay                              | Chemical engineering            | June 2014                              |
| Name of the Faculty In-charge : Dr.K.Mukkanti                  |                                                        |                                 |                                        |
| 1.                                                             | Dr. R.K.Sharma, Delhi University                       | Green Chemistry                 | May 2014                               |
| 2.                                                             | Dr.Pratap Chandra Kurup, Cusat, kerala                 | Analytical Techniques           | June 2014                              |
| 3.                                                             | Dr.A.K.Mishra, IIT Chennai                             | Analytical chemistry            | Feb 2014                               |
| 4.                                                             | Dr. CP. Rao, IIT Baombay                               | Organic chemistry               | Jan 2014                               |
| 5.                                                             | Dr.A.K.Singh, IIT delhi                                | Analytical Chemistry            | Feb 2014                               |
| 6.                                                             | Dr.M.Lakshmi Kantham, ICT, Hyderabad                   | Catalysis                       | March 2014                             |

**Centre for Environment:**

| Sl. No. | Name of the Expert Speaker and Affiliation                                                            | Topic                                                                                                   | Date          |
|---------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------|
| 1.      | Dr. Sen Gupta<br>Member ,EAC, MoEF, NewDelhi                                                          | Environmental Impact Assessment study planning and management                                           | Nov-Dec2013   |
| 3.      | Dr. Roy<br>Emeritus Professor,<br>Central University Hyderabad                                        | Geospatial technologies for environmental management                                                    | Dec 2013      |
| 4.      | Dr. K. Mukarji<br>Prof.of Environmental Science and Technology,<br>NewDelhi                           | Remote sensing and GIS for land use planning                                                            | Jan 2014      |
| 5.      | Dr. Ramakrishnan<br>Prof.of.EnvironmentalRemotesensing,<br>Department of Earth Sciences<br>IIT-Mumbai | Hyper spectral remote sensing for Environmental Management                                              | Feb 2014      |
| 6.      | Dr.S.R.K. Rao,<br>Director,R&D,GITAMUniversity,Visakhapatnam                                          | Wastewater Treatment Methods                                                                            | March 2014    |
| 7       | Dr. S. Venkata Mohan (IICT)                                                                           | Microbial fuel cells                                                                                    | November 2013 |
| 8       | Dr. V. Niranjan (Research officer, IRAP, Punjagutta)                                                  | EIA & EMP for sustainable development.                                                                  | November-2013 |
| 9       | Dr. V. Niranjan (Research officer, IRAP, Punjagutta)                                                  | Comprehensive EIA- A case study of cement factory.                                                      | November 2013 |
| 10      | Prof. Appa Rao. P<br>(University of Hyderabad)                                                        | Biopesticides                                                                                           | December 2013 |
| 11      | Prof. MNV. Prasad                                                                                     | Metal bioremediation                                                                                    | December 2013 |
| 12      | Mr. P. Mohan (Bio vision crop sciences)                                                               | Starting a company for selling microorganisms – A personal experience.                                  | January 2014  |
| 13      | Dr. Venkatesha ,SoMPhytopharma,Bolaram IDA, Hyderabad.                                                | <i>Rhodospirillumrubrum</i> a bioremediation agent, probiotic and neutraceutical.... The journey so far | January 2014  |

**Centre for Nano Science and Technology:**

Planning Total 10 Expert Lectures – 3 Lakhs (From ARCI,IICT,HCU, DRDO,IIT's & NIT's)

**Centre for Water Resources:**

| S.No | Name of the Expert Speaker and Affiliation                                | Areas of specialization / Topic                                                              | Tentative date / month of invited talk |
|------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------|
| 1.   | Dr.K.V. Jay Kumar,<br>Professor, NIT , Warangal                           | Urban water Management                                                                       | January 2014                           |
| 3.   | Dr. Srinivasa Raju,<br>Professor,<br>BITS,Hyderabad.                      | Climate change modeling:<br>Multi criterion decision<br>making methods & climate<br>studies. | Feb 2014                               |
| 4.   | Dr.Rehana,<br>Associate Professor,<br>Malla Reddy Engineering<br>College. | Climate change modeling:<br>Ranking of GCMs for a Case<br>Study.                             | Feb 2014                               |



**Training programs attended by Faculty of the institute: ANNEXURE : 4**

Training programs attended by Faculty of the institute

- ❖ Dr.B.Venkateswar Rao, Prof, CWR, IST,JNTUH attended the MIS training program at Bombay during 9-10<sup>th</sup> of October 2013.
- ❖ Dr. J.Venkatesh, Prof, CSIT, IST,JNTUH attended the Pedagogical Training (Module-I) on 25th Nov., 2013 at NITTTR, Chandigarh.
- ❖ Dr. Saida, Head, CBT, IST, JNTUH attended the Pedagogical Training (Module-I) on 25th Nov., 2013 at NITTTR, Chandigarh.

**Centre for Bio-Technology:**

| Name of the faculty    | Purpose of Visit                     | Place of Visit                                    | Period |
|------------------------|--------------------------------------|---------------------------------------------------|--------|
| Prof. M.Lakshmi Narasu | National & International Conferences | -                                                 | -      |
| Dr. Archana Giri       | Metabolic Engineering                | Germany                                           | -      |
| Dr. A.Uma              | -                                    | University of Florida/Georgia Tech University USA | -      |
| Mr.L.Saida Naik        | Bioprocess Engineering               | Windsor University, Canada                        | -      |

**Centre for Chemical Sciences and Technology:**

| S.No | Name of faculty member | Name of FDP Conference/Training Programme | Tentative Date &Duration | Address                                   | Budget      |
|------|------------------------|-------------------------------------------|--------------------------|-------------------------------------------|-------------|
| 1    | Dr.K.Mukkanti          | Training Programme                        | March 2014 & 3 weeks     | University of South Alabama, USA          | 3,00,000.00 |
| 2    | Dr.K.Mukkanti          | Training Programme                        | May 2014 & 3 weeks       | Kobe University, Japan                    | 2,00,000.00 |
| 3    | Dr.K.Mukkanti          | Training Programme                        | June 2014 & 3 weeks      | National Tsing Hua University, Taiwan     | 2,00,000.00 |
| 4    | Dr.Pramod Kumar        | Training Programme                        | April 2014 & 3 weeks     | USA                                       | 3,00,000.00 |
| 5    | Dr.Pramod Kumar        | Training Programme                        | May 2014 & 3 weeks       | Australia                                 | 2,00,000.00 |
| 6    | Dr.Pramod Kumar        | Training Programme                        | Jun 2014 & 3 weeks       | UK                                        | 2,00,000.00 |
| 7    | Dr.A.Jayashree         | Training Programme                        | March 2014& 3 weeks      | University of Florida, USA                | 3,00,000.00 |
| 8    | Dr.A.Jayashree         | Training Programme                        | June 2014& 3 weeks       | Beijing University of Chemical Technology | 2,00,000.00 |
| 9    | Dr.T.Bala Narsaiah     | Training Programme                        | April 2014 & 3 weeks     | Institute of Superior Technico, LISBON,   | 3,00,000.00 |

|       |                                               |                    |                         |                                                             |              |
|-------|-----------------------------------------------|--------------------|-------------------------|-------------------------------------------------------------|--------------|
|       |                                               |                    |                         | PORTUGAL                                                    |              |
| 10    | Mrs.A.Meenakshi                               | Training Programme | March 2014 & 3 weeks    | University of Illinois, USA                                 | 3,00,000.00  |
| 11    | Dr.AVN Swamy                                  | Training Programme | March 2014 & 3 weeks    | National Institute of Health, USA                           | 3,00,000.00  |
| 12    | Dr.Jyothi Vantikommu<br>Dr.D.S.kothari<br>PDF | Training Programme | Jan-Feb, 2014 & 3 weeks | Mitchell Cancer Institute, university of south Alabama, USA | 3,00,000.00  |
| Total |                                               |                    |                         |                                                             | 31,00,000.00 |

**Centre for Environment:**

| Name of the faculty                         | Purpose of Visit                                                                                         | Place of Visit                            | Period                                              |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------|
| Dr. Ch. Sasikala                            | Training workshop on Biodiversity conservation                                                           | Wildlife Institute of India, Dehradun     | November 11 <sup>th</sup> – 15 <sup>th</sup> , 2013 |
| Dr. Ch. Sasikala                            | Microbial fuel cells                                                                                     | Pennsylvania State University, USA        | July, 2014                                          |
| Dr. M Anji Reddy                            | MoU and Joint Collaboration with TSU, USA and Paper presentation and training on Environmental Modelling | TSU, Nashville and Boston University, USA | May-June 2014                                       |
| Dr.T.Vijaya Lakshmi<br>Asst.Prof., CEN, IST | MoU and Joint Collaboration with TSU, USA and Paper presentation and training on Environmental Modelling | TSU, Nashville and Boston University, USA | May-June 2014                                       |
|                                             | Participation in NSDI meet 2013                                                                          | IIT Mumbai, India                         | 28-29, Nov, 2013.                                   |

## Centre for Nano Science and Technology

| Name of the Faculty                                         | Duration             | Title                                                                         | Place                |
|-------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------|----------------------|
| Dr. K. Venkateswara Rao<br>Assoc.Prof., CNST, IST,<br>JNTUH | May 5-9,2014         | Sensing Technology +<br>Application 2014                                      | Baltimore,MD,USA     |
| Dr. K. Venkateswara Rao<br>Assoc.Prof., CNST, IST,<br>JNTUH | JUNE 15-<br>19,2014  | Nanotech Advanced Materials<br>and Applications                               | Washington<br>DC,USA |
| Dr. K. Venkateswara Rao<br>Assoc.Prof., CNST, IST,<br>JNTUH | Mar 8-10,<br>2014    | International Conference<br>on Nanoscience and<br>Nanotechnology to           | Aligarh              |
| Dr. K. Venkateswara Rao<br>Assoc.Prof., CNST, IST,<br>JNTUH | Jan 6-10<br>Jan,2014 | International Nanotribiology<br>Forum                                         | Kerala               |
| Dr. K. Venkateswara Rao<br>Assoc.Prof., CNST, IST,<br>JNTUH | Feb 26-<br>28,2014   | International conference on<br>Emerging Materials and<br>Processes            | Bhubaneswar          |
| Ms. CH. Shilpa Chakra<br>Asst Prof,<br>CNST,IST,JNTUH       | Mar 10-14,<br>2014   | Nano and Giga Challenges in<br>Electronics, Photonics and<br>Renewable Energy | USA                  |
| Ms. CH. Shilpa Chakra<br>Asst Prof,<br>CNST,IST,JNTUH       | Feb 26-<br>28,2014   | International conference on<br>Emerging Materials and<br>Processes            | Bhubaneswar          |

**Centre for Spatial Information Technology:**

| Name of the Faculty                          | Training Area                  | Place | Tentative dates |
|----------------------------------------------|--------------------------------|-------|-----------------|
| Dr.K.Manjula Vani, Prof.<br>CSIT, IST, JNTUH | 1. International<br>conference | -     | 2014            |

**Centre for Water Resources:**

| Name of the Faculty                             | Training Area                                                                                                                                                                                                                                                                                                                                                                                             | Place                                                                                       | Tentative dates                                                                                           | Budget                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| B. Venkateswara Rao<br>Prof., CWR IST           | 1. Fracture porosity mapping<br><br>2. Research paper presentation in NGWA Groundwater Summit 2014                                                                                                                                                                                                                                                                                                        | 1. Rutgers University, New Jersey, USA<br>2. Denver, California                             | May 2014<br>(One Month Duration)<br>May 4–7, 2014                                                         | 4,00,000.00                                          |
| K.Rama Mohan Reddy, Head, Prof. CWR, IST, JNTUH | 1. International Training Programme (ITPs) on Education for Sustainable Development for Higher Education – Strategic Environmental Assessment (SEA)                                                                                                                                                                                                                                                       | Sweden                                                                                      | April 2014                                                                                                |                                                      |
| Dr.M.V.S.S. Giridar<br>Asst.Prof., CWR IST      | 1. International Symposium on Weather Radar and hydrology Visit to nearby universities<br>2. 2nd International Conference on Environmental and Economic Impact on Sustainable Development<br>3. 12th International conference on Modelling, Monitoring and Management of Water Pollution<br>4. 5th International Conference on Sustainable Irrigation and Drainage: Management, Technologies and Policies | Washington, DC, USA<br><br>Ancona, Italy<br><br>The Algarve, Portugal<br><br>Poznan, Poland | 7-9 April, 2014 and 10-20 April, 2014<br>14 - 16 May, 2014<br>26 - 28 May, 2014<br><br>17 - 19 June, 2014 | 3,00,000/-<br>2,50,000/-<br>2,50,000/-<br>2,50,000/- |

**Procurement plans under TEQIP II, ANNEXURE: 6****Centre for Bio-Technology:**

| S.No        | Proposed equipment/s                     | No of units | Total Cost in Rs. |
|-------------|------------------------------------------|-------------|-------------------|
| 1           | Fluid Flow Equipment                     | 1           | 4,00,000.00       |
| 2           | Heat Transfer Equipment                  | 1           | 3,00,000.00       |
| 3           | Mass Transfer Equipment                  | 1           | 4,00,000.00       |
| 4           | AKTA Prime                               | 1           | 11,10,000.00      |
| 5           | Cell Disruption, French Press, Dyna Mill | 1           | 2,00,000.00       |
| TOTAL in Rs |                                          |             | 24,10,000.00      |

**Centre for Chemical Sciences and Technology:**

| Proposed equipment/s                                                                                                                                                                                                                                                    | Cost in Rs.  | No of units | Total in Rs.   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|----------------|
| Mass Spectrometer                                                                                                                                                                                                                                                       | 40,00,000.00 | 1           | 40,00,000.00   |
| Infrared Spectrophotometer                                                                                                                                                                                                                                              | 8,00,000.00  | 1           | 8,00,000.00    |
| Rheometer                                                                                                                                                                                                                                                               | 15,00,000.00 | 1           | 15,00,000.00   |
| Atomic Absorption Spectroscopy (AAS)                                                                                                                                                                                                                                    | 15,00,000.00 | 1           | 15,00,000.00   |
| Micro Reactor                                                                                                                                                                                                                                                           | 06,00,000.00 | 1           | 06,00,000.00   |
| Benchtop NMR                                                                                                                                                                                                                                                            | 30,00,000.00 | 1           | 30,00,000.00   |
| Rotavapour                                                                                                                                                                                                                                                              | 5,00,000.00  | 1           | 5,00,000.00    |
| CO <sub>2</sub> Incubator With Rapidcell™ fast temperature recovery without overshoot LifeCell™ control software to optimize parameters NüveDis™ 90°C wet disinfection system NüveTrack™ monitoring and recall of last 72 h parameter values and alarms – Hera cell 150 | 6,00,000.00  | 1           | 6,00,000.00    |
| Laminar Flow bench                                                                                                                                                                                                                                                      | 8,00,000.00  | 1           | 8,00,000.00    |
| -80 Deep Freezer vertical type) model 410 Capacity Temperature range -60 to -860C                                                                                                                                                                                       | 6,50,000.00  | 1           | 6,50,000.00    |
| TOTAL in Rs                                                                                                                                                                                                                                                             |              |             | 1,36,50,000.00 |

**Centre for Environment:**

| S.No | Equipment/ Software                                                                                                                                                                                                                      | Price (Rupees) |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 1.   | HPLC with PDA                                                                                                                                                                                                                            | 15,00,000.00   |
| 2.   | Hi-end computers (20numbers)                                                                                                                                                                                                             | 8,50,000.00    |
| 3.   | Nebuliser for ICP                                                                                                                                                                                                                        | 4,00,000-00    |
| 4.   | Epiflourescene stereosome microscope                                                                                                                                                                                                     | 15,00,000.00   |
| 5.   | DGPS                                                                                                                                                                                                                                     | 15,00,000.00   |
| 6.   | Procurement of ArcGIS Desktop Software Extensions<br>ArcGIS® Spatial Analyst Habitat Suitability Analysis                                                                                                                                | 7,00,000/-     |
| 7.   | MS side port for GCMS                                                                                                                                                                                                                    | 4,00,000-00    |
| 8.   | PCR                                                                                                                                                                                                                                      | 3,00,000.00    |
| 9.   | Laser kit for FTIR board                                                                                                                                                                                                                 | 2,86,250-00    |
| 10.  | Ampoule manifold for lyophilizer                                                                                                                                                                                                         | 4,00,000.00    |
| 11.  | KEL PLUS Automatic Distillation System<br>A)KES Series Automatic Macro Block Digestion System-<br>B) Additional Optional Accessories for Digestion System:                                                                               | 4,38,690-00    |
| 12.  | Fumigation hood                                                                                                                                                                                                                          | 5,00,000.00    |
| 13.  | Liquid Nitrogen cylinder for Preconcentrator                                                                                                                                                                                             | 2,00,000-00    |
| 14.  | High speed refrigerated centrifuge                                                                                                                                                                                                       | 15,00,000.00   |
| 15.  | (a) Part No.24141-650; SilcoCan Canister; 3 Liter w/Gauge and Siltek Treated 1/4" Valve (cat#563646 is needed if connecting to a sampling kit<br>(b) Part No.24142-650; SilcoCan Canister; 6 Liter w/Gauge and Siltek Treated 1/4" Valve | 2,01,232-00    |
| 16.  | Water Analysis Kit                                                                                                                                                                                                                       | 1,02,000-00    |
| 17.  | Chemical standards                                                                                                                                                                                                                       | 2,00,000-00    |
| 18.  | Ozone generator                                                                                                                                                                                                                          | 1,55,300.00    |
| 19.  | PCB ELIX/RiOs INTERFACE for Millipore unit                                                                                                                                                                                               | 74,000-00      |
| 20.  | Datum Upgradation                                                                                                                                                                                                                        | 25,00,000.00   |
|      | Computer systems for Research lab for Ph.D and M.Tech students                                                                                                                                                                           |                |
|      | Star Navigation DGPS-Upgradation                                                                                                                                                                                                         |                |



|     |                         |             |
|-----|-------------------------|-------------|
| 21. | Fuming cupboard         | 50,000-00   |
| 22. | Organic sampler         | 60,000-00   |
| 23. | Incenerator             | 1,00,000-00 |
| 24. | Gasification Unit       | 1,00,000-00 |
| 25. | Orbital shakers (2 Nos) | 6,00,000.00 |

**Centre for Nano Science and Technology:**

| S.No | Item                                 | Quantity |               |
|------|--------------------------------------|----------|---------------|
| 1    | LCR meter with Zig                   | 1        | 15,00,000     |
| 2    | Four probe point instrument          | 1        | 10,00,000     |
| 3    | Table Top Microscope                 | 1        | 30,00,000     |
| 4    | Laminar air flow                     | 1        | 1,50,000      |
| 5    | Digital Autoclave                    | 1        | 2,00,000      |
| 6    | Incubators                           | 4        | 4,00,000      |
| 7    | Refrigerators                        | 2        | 40,000        |
| 8    | Digital incubation shakers           | 1        | 2,00,000      |
| 9    | Turbidimetry                         | 1        | 1,00,000      |
| 10   | Air conditioner                      | 2        | 70,000        |
| 11   | Hot air oven                         | 1        | 70,000        |
| 12   | Digital weighing machine             | 1        | 1,00,000      |
| 13   | Cyclic voltammetry                   | 1        | 15,00,000     |
| 14   | Polymerase Chain reaction            | 1        | 1,50,000      |
| 15   | Laptops                              | 2        | 1,50,000      |
| 16   | FTIR spectroscopy                    | 1        | 9,00,000      |
| 17   | Nano fluid Ultrasonic Interferometer | 1        | 3,00,000      |
| 18   | Thin film deposition unit            | 1        | 10,00,000     |
|      | TOTAL                                |          | 1,08,30,000/- |

**Centre for Spatial Information Technology:**

| S.No | Particulars                  | Amount in Rs. |
|------|------------------------------|---------------|
| 1    | Scanning Electron Microscope | 12,00,000.00  |
| 2    | Vibration Analyzer           | 6,00,000.00   |

**Centre for Water Resources:**

| S.No | Name of the equipment                                               | Product code (Model)                                                      | Quantity | Price        |
|------|---------------------------------------------------------------------|---------------------------------------------------------------------------|----------|--------------|
| 1    | Inductively Coupled Plasma Emission Spectrophotometer               | ICPE9000                                                                  | 1        | 64,69,400.00 |
| 2    | Atomic Absorption Spectrophotometer 6300                            | AAS 6300                                                                  | 1        | 12,00,000.00 |
| 3    | BOD Incubator                                                       | 815120V                                                                   | 1        | 2,80,000.00  |
| 4    | Flocculator Jar Test Apparatus                                      | L2419160(ET750)<br>ORBECCO HELLIGE<br>(ET750) 6STATION LAB<br>FLOC TESTER | 1        | 1,67,160.00  |
| 5    | MIKE Flood (1D- 2D Flood simulation engine/Software                 | MIKE Flood                                                                |          | 10,00,000.00 |
| 5    | Ground Penetrating Radar (GPR)                                      | -                                                                         | 1        | 17,00,000.00 |
| 6    | Field spec 4 wide – Res full range 350-250nm                        | -                                                                         | 1        | 34,23,770.00 |
| 7    | Fabrication of Hydraulic Conductivity Meter                         | -                                                                         | 1        | 4,00,000.00  |
| 8    | 4 winches each 21 takeouts of 10 m. interval existing Terrameter    | -                                                                         | 4        | 6,50,000.00  |
| 9    | 3 Winches each 16 takeouts of 5 m. interval for existing Terrameter | -                                                                         | 3        | 3,50,000.00  |
| 10   | TOC ANALYSER                                                        | 5000A                                                                     | 1        | 6,65,000.00  |