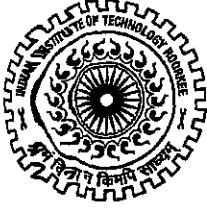


अभिशासक परिषद्  
की इक्तीसवी बैठक का कार्यवृत्त  
**MINUTES OF THE 31<sup>st</sup> MEETING OF THE  
BOARD OF GOVERNORS**

**21<sup>ST</sup> APRIL 2011**



भारतीय प्रौद्योगिकी संस्थान रुड़की  
रुड़की - २४७ ६६७ (भारत)  
**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE  
ROORKEE-247 667 (INDIA)**



Lt. Col A K Srivastava (Retd)  
Registrar

भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की-247 667, उत्तराखण्ड, भारत

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No.IITR/MS/31<sup>st</sup> BOG/4810  
Dated 14<sup>th</sup> May 2011

All Members of the Board of Governors  
Indian Institute of Technology Roorkee

**Sub: Minutes of the 31<sup>st</sup> Meeting of the Board of Governors of the Indian Institute of Technology Roorkee held on 21<sup>st</sup> April 2011.**

Kindly find enclosed the minutes of the 31<sup>st</sup> Meeting of the Board of Governors of the Institute, which have been duly approved by the Chairman, Board of Governors.

It is requested that comments, if any, on the above referred minutes may kindly be sent to the undersigned within 15 days. If no comments are received within this period, it would be presumed that you agree with the minutes as recorded, and action may be initiated to implement the same.

Encl: As above

(A.K. Srivastava )

Lt. Col. (Retd)

Registrar &

Secretary, Board of Governors

To:

1. Shri Ashok Bhatnagar  
Chairman, Board of Governors, IIT Roorkee  
SF 117, Hauz Khas Apartments  
Aurobindo Marg,  
New Delhi-110016
2. Prof. S.C. Saxena  
Director  
Indian Institute of Technology, Roorkee
3. Dr. Vinod Bhakuni  
Dy. Director & Head  
Molecular & Structural Biology Division  
Central Drug Research Institute  
Chattar Manzil, PO Box 173  
Lucknow-226 001 (Uttar Pradesh)

4. Er. M.P. Gupta  
Director, Technical Education Haryana  
Bays No.7-12, Sector-4  
Panchkula (Haryana)
5. Shri Amit Khare, IAS  
Jt. Secretary (ICC), Govt. of India  
Ministry of Human Resource Development  
Department of Secondary & Higher Education  
Shastri Bhawan,  
New Delhi - 110 001
6. Dr. D.V. Singh  
C-14D, MIG Flats  
Vatika Apartments  
Mayapuri, New Delhi 110 064
7. Shri Sirajuddin Qureshi  
Managing Director,  
Hind Agro Industries Ltd.  
B-3, Friends Colony (West)  
Main Mathura Road,  
New Delhi - 110 065
8. Prof. S.A. Abbasi  
Sr. Professor and Coordinator  
Centre for Pollution Control & Energy Technology  
Pondicherry University, Kalapet,  
Puducherry - 605014
9. Prof. I.M. Mishra  
Department of Chemical Engineering  
Indian Institute of Technology, Roorkee
10. Prof. D.K. Paul  
Department of Earthquake Engineering  
Indian Institute of Technology Roorkee
11. Prof. H.K. Verma  
Dy. Director  
Indian Institute of Technology Roorkee  
Permanent Invitee
12. Prof. H.O. Gupta  
Dean of Faculty Affairs  
Indian Institute of Technology Roorkee  
Special Invitee
13. Lt. Col. (Retd.) A.K. Srivastava  
Indian Institute of Technology Roorkee  
Registrar  
Secretary

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**  
**ROORKEE - 247 667**



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**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**  
**ROORKEE - 247 667**



**Minutes of the 31<sup>st</sup> Meeting of the Board of Governors held on 21<sup>st</sup> April 2011 at 12.00 noon at Country Inn & Suites, Sahibabad, Ghaziabad.**

The following were present:

1. Shri Ashok Bhatnagar	Chairman
2. Prof. S.C. Saxena, Director, IIT Roorkee	Member
3. Shri Amit Khare, IAS, JS (ICC), MHRD, New Delhi	Member
4. Prof. S.A. Abbasi, Pondicherry University	Member
5. Prof. I.M. Mishra, IIT Roorkee	Member
6. Prof. D.K. Paul, IIT Roorkee	Member
7. Prof. H.K. Verma, Dy. Director, IIT Roorkee	Permanent Invitee
8. Prof. H.O. Gupta, Dean of Faculty Affairs	Special Invitee
9. Lt. Col. (Retd.) A.K. Srivastava, Registrar	Secretary

Due to pre-occupation Shri Sirajuddin Qureshi, New Delhi, Dr. D.V. Singh, New Delhi and Dr. Vinod Bhakuni could not attend the meeting.

At the outset, the Chairman welcomed the members to the 31<sup>st</sup> Meeting of the Board of Governors.

The agenda was then taken up.

**PROCEDURAL**

**Item No.31.1.1: To confirm the minutes of the 30<sup>th</sup> Meeting of the Board of Governors held on 19<sup>th</sup> January 2011.**

The minutes of the 30<sup>th</sup> meeting of the Board of Governors held on 19<sup>th</sup> January 2011, were confirmed.

**Item No.31.1.2: To receive a report of the Director on the significant developments/issues since the 30<sup>th</sup> meeting of the Board held on 19.01.2011.**

The Board noted the Director's Report, which was tabled.

  
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**Item No.31.1.3: To receive a report of actions taken on the minutes of the 28<sup>th</sup> Meeting of the Board of Governors held on 26.8.2010 and the 29<sup>th</sup> meeting held on 12.11.2010, respectively.**

The Board noted that the minutes of the 30<sup>th</sup> meeting of the Board held on 19.01.2011 were circulated to the members of the Board on 21<sup>st</sup> March 2011 and the same were sent to the concerned Sections of the Institute on 5<sup>th</sup> April 2011 for taking necessary action.

**MATTERS DISCUSSED/RECOMMENDED BY THE STATUTORY BODIES/ COMMITTEES.**

NIL

**MATTERS FOR POLICY DECISION**

NIL

**ADMINISTRATIVE MATTERS:**

**Item No.31.4.1: To consider the modifications in the qualifications for PTI (Yoga).**

**RESOLUTION NO.BG/10/2011: RESOLVED THAT** the qualifications and job responsibilities for the post of PTI (Yoga) be approved as under:

**1. Essential Qualifications:**

- (a) A full time Bachelor's Degree in Physical Education (BPE 3 years course) or B.P.Ed. which is a 4 year integrated course (3 years of BPE and one year of B.P.Ed.) from a recognized University, with specialization in Athletics/ Badminton/ Basketball/ Cricket/ Football/ Hockey/Squash/ Table Tennis/ Tennis/ Volleyball/ Weight Lifting/ Swimming, and
- (b) A full time Degree or Diploma (Minimum duration of 10 months) in Yoga from a recognized Institute or University.

**2. Desirable Qualifications:**

- (a) Post Graduation in Physical Education (M.PE/ M.P.Ed 2 years/4 semester course) having

  
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specialization in Athletics/ Badminton/ Basketball/ Cricket/ Football/ Hockey/ Squash/ Table Tennis/ Tennis/ Volleyball/ Weight Lifting/ Swimming.

- (b) Competent to instruct both in English & Hindi.
- (c) Should have represented his University/Institution at University/Institute level competitions in either Athletics or Badminton or Basketball or Cricket or Football or Hockey or Squash or Table Tennis or Tennis or Volleyball or Weight Lifting or Swimming disciplines.

### **3. Job Description:**


To conduct Yoga classes in the morning & evening for the students. In addition he will perform the under-mentioned duties:

- (a) To look after & maintain the yoga activity and one more of the 12 game disciplines which have been stated in para 1 (a) above.
- (b) To conduct coaching for one of the games mentioned in para 1 (a) above.
- (c) To assist the Sports Officer in other day to day administrative and maintenance work in connection with yoga and other sports activities.

**Item No.31.4.2: To consider the recommendations of Enquiry Committee constituted to enquire into the theft of Brass Rods from the Store (Workshop) of the Earthquake Engineering Department for writing off the lost material with a book value of Rs.38,947.00 under Abnormal Wear & Tear.**

**RESOLUTION NO.BG/11/2011: RESOLVED THAT** the recommendations of the enquiry committee to write off the lost material (Brass Rods) from the Store (workshop) of the Earthquake Engineering Department with a book value of Rs.38,947.00 be approved under Abnormal Wear & Tear.

**FURTHER RESOLVED that** specific lapses on the part of the Store Keeper should be further examined.

  
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**STILL FURTHER RESOLVED that** the action be initiated on the following points -

- (a) Identify and fix responsibility for lapses in the system.
- (b) Inventory verification of consumable and non-consumable should be carried out every year in all the Departments/Centres/Units of the Institute.
- (c) An immediate stock verification should be carried out at all the stores.
- (d) On quarterly basis details of non/slow moving store items should get circulated.
- (e) High value and infrequently used items should be kept in equal store.

**Item No.31.4.3: To consider the revision of consolidated monthly emoluments of Junior Engineers/Technical Assistants and Junior Laboratory Assistants working on Contract positions.**

The Finance Committee had considered the issue in its meeting held on 21.4.2011 vide item No. 26.2 and recommended that the matter be re-examined particularly with reference to the under mentioned issues:

- (a) Contractual obligations of the Institute.
- (b) Status of the employees.
- (c) Details of applications received from the persons concerned.
- (d) Details of recommendations received from the concerned Heads of the Department/Centre/Unit.
- (e) Recommendations of the Deans' Committee for consideration of the Finance Committee/Board of Governors.
- (f) Justification for the proposed increase.

The Board also ratified the decision of the Finance Committee.

  
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**Item No. 31.4.4: To consider the proposed payment of Rs.400/- per day or part of a day to Project Research Staff on account of out of pocket expenses for field work as applicable to the project staff.**

The Finance Committee had considered the issue in its meeting held on 21<sup>st</sup> April 2011 vide item No.26.3. The recommendations of the Finance Committee were placed before the Board of Governors. After discussion, the Board approved the recommendations of the Finance Committee.

**RESOLUTION NO.BG/12/2011: RESOLVED THAT** the payment of Rs.400/- per day or part of a day to the Project Research Staff on account of out of pocket expenses for field work, as applicable to the project staff under Consultancy Rule No.3.5, be approved.

**Item No.31.4.5: To consider the report of the Enquiry Committee, in the matter of charges against Dr. Kamal Jain and action to be taken on the report of the Enquiry conducted against Dr. Kamal Jain, Associate Professor (on probation) in the Department of Civil Engineering for the violation of Rule 3(1) of the Conduct Rules of the Institute.**


1. Before considering the item, the under-mentioned persons who were present in the meeting of the Board of Governors as permanent invitee/special invitee, withdrew from the meeting:

- (a) Prof. H.K. Verma, Dy. Director
- (b) Prof. H.O. Gupta, Dean of Faculty Affairs

Only the Secretary, Members and Chairman of the Board of Governors were present when the item was considered.

2. The Board perused the Charge Sheet Memorandum No. Estt(A)/0792/E-3997 dated 18<sup>th</sup> February 2008 issued to Dr. Kamal Jain under Rule 14 of the Central Civil Services (Classification, Control and Appeal) Rules, 1965, for violating Rule 3(1) of the Conduct Rules of the Institute and noted that the under-mentioned five charges had been levelled against Dr. Kamal Jain and established by the Enquiry Committee:

- (1) Keeping Personal Computers, equipment and other peripherals, which were not the Institute's property, in the double bay room occupied in an

  
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unauthorized manner in the Geomatics Engineering Section of the Department of Civil Engineering, thus violating Rule 3(1) of the Institute's Conduct Rules.

- (2) Allowing twenty outsiders to work in the double bay room in an unauthorized manner in the Geomatics Engineering Section of the Department of Civil Engineering without permission of concerned Academic Dean/Head of the Department, thus violating Rule 3(1) of the Institute's Conduct Rules.
- (3) Unauthorized issuance of an identity card to one Mr. Samrat Rohila, thus violating Rule 3(1) of the Institute's Conduct Rules.
- (4) Unauthorized occupation of the said double bay room in Geomatic Engineering Section, Department of Civil Engineering and using it for his personal work by creating a so-called Geo-Media Laboratory without any approval of Competent Authority, thus violating Rule 3(1) of the Institute's Conduct Rules.
- (5) Signing of an MoU with Rolta India Limited, an entity of Intergraph, USA without being authorized to do so by the Institute and also without any approval of Competent Authority, thus violating Rule 3(1) of the Institute's Conduct Rules.

3. The Board observed that the Enquiry Committee has submitted its report and concluded that all the aforesaid charges levelled against Dr. Kamal Jain stand proved. A copy of the Report of Enquiry Committee was supplied to Dr. Kamal Jain vide letter No. Estt.(A)/22/E-3977 dated 21.1.2011 vide which he was also advised to make a representation, if any, in support of the findings recorded in the said report. In response to the above, Dr. Kamal Jain has made representation vide his letter No.KJ/DA/R dated 15.2.2011.

4. The Board considered the report of the Enquiry Committee in conjunction with the reply dated 15<sup>th</sup> February 2011 received thereon from Dr. Kamal Jain. The Board observed as under:

5. Analysis of the representation made by Dr. Kamal Jain

- (a) **Article 1:** Dr. Kamal Jain by his own admission had accepted that two personal computers (PCs) were in



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excess in the so called Geomedia Lab without any record/entries in the Tools & Plants Register. Dr. Kamal Jain's action in allowing the outsiders to bring their own PCs in side the Department and not keeping a proper accounted of the same, amounts to grave misconduct on his part. Dr. Kamal Jain has been correctly held responsible for the charge framed vide Article-1.

**(b) Article 2:**

- (i) Dr. Kamal Jain had shown his ignorance about the summer training rules and stated that there is no notification to this effect. Dr. Kamal Jain has been in the service of the Institute in various capacities since 29<sup>th</sup> October 1985. The latest rules governing summer training were issued vide letter no. Acd/205/UG-07 dated 2.5.2003 and circulated to all the Departments/Centres of the Institute. The same is also documented in the booklet containing the Ordinances & Regulations, Guidelines & Resolutions for Bachelor of Technology, Bachelor of Architecture and Integrated Dual Degree programmes. These regulations were notified in 2003. The unsubstantiated statement of Dr. Kamal Jain that he was not aware of the same and that these regulations were not being followed in the Department of Civil Engineering and other Departments is not accepted. Dr. Kamal Jain has further stated that the Undergraduate Rules of the Institute were not available in the Academic Section of the Institute. He has not substantiated this statement. The Undergraduate rules are very much available, and are in practice. Considering the long continuous service of Dr. Kamal Jain in the Civil Engineering Department, his plea of ignorance of summer training rules is rejected.
- (ii) Dr. Kamal Jain has not taken permission from the Head of the Department/Coordinator, Geomatics Engineering Section for the use of laboratory facilities for imparting training to the outside students. Dr. Kamal Jain in his reply to this point could not provide any evidence as to how outsiders were under going training and using the laboratory facilities.
- (iii) Six months training to MCA students is not permitted in the category of casual students. As per the averment made by Dr. Jain before the Fact Finding Committee, two such students were entertained by



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him. However, after the irregularity was brought to the notice of Institute Authorities, permission for only one student was granted as a special case. Notwithstanding the grant of permission post-facto, the same does not absolve Dr. Jain from having committed the violation of the Institute's Regulations for imparting training to persons who were not the students of the Indian Institute of Technology Roorkee.

- (iv) Dr. Kamal Jain has committed grave misconduct by imparting training to outside students in an unauthorised manner without due permission from the Institute, as is clear from his averments before the enquiry committee, and by this misconduct he has definitely tarnished the image of IIT Roorkee, in public.

Dr. Kamal Jain has been correctly held responsible for the charge framed vide Article-2.

**(c) Article 3:** The plea of Dr. Kamal Jain that Principal Investigators could also issue Identity Cards consequent to the decision of the Security Advisory Committee, of which he was a member, is not accepted, since no minutes of any of the meetings of the Security Advisory Committee indicate the same. Only the Registrar and the Dean of Students' Welfare are the prescribed authorities who can issue Identity Cards. Despite this restriction, Dr. Kamal Jain issued an Identity Card to one Mr. Samrat Rohilla, which has also been admitted by him. The same amounts to serious misconduct as Identity Cards are meant for authorized entry to the Institute and establishing the identity of bonafide employees and students of the Institute. Identity Cards are one of the crucial means for maintaining the security of the Institute. Wilful violation the Institute's Policy regarding the issuance of Identity Cards on the part of Dr. Kamal Jain, he has been correctly held responsible for the charge framed vide Article-3.

**(d) Article 4:** Dr. Kamal Jain has not denied the use of the double bay room in the Geo-matics Engineering Section of the Civil Engineering Department. Use of this as the so-called Geo-media lab has no approval of the Head, Department of the Civil Engineering, who is the competent authority for approving the same. He handed over the keys of the said room to the Head of the Department only after several attempts were made to

obtain it from him, and much after the Fact Finding proceedings were initiated to go into the facts of the matter that had been reported by Prof. P.K. Garg regarding unauthorised training of outside students in the said room.

Dr. Kamal Jain has been correctly held responsible for the charge framed vide Article-4.

**Article 5:** The Board noted that the Memorandum of Understanding (MoU) was signed between the University of Roorkee and M/s Rolta India Ltd. an entity of Intergraph, USA thereby establishing a Registered Research Laboratory (RRL) at the University of Roorkee. The MoU was signed by Dr. Kamal Jain on behalf of the University of Roorkee in 2002, which has been admitted by Dr. Kamal Jain by furnishing his copy of the MoU to the Institute. The MoU was mutually extended by Dr. Kamal Jain and M/S Rolta India Ltd. as has also been provided by Dr. Kamal Jain. Research Laboratories can only be opened in any Department with the approval of the Department as well as the Dean, Sponsored Research & Industrial Consultancy (SRIC), and the MoUs for the same are signed either by the Director/Dean, (SRIC) or the nominee of Director/Dean (SRIC). However, Dr. Kamal Jain did not follow this procedure, nor did he seek permission from the Institute for signing the MoU with Rolta India Ltd. an entity of Intergraph, USA. He wilfully signed the said MoU, thereby subjecting the Institute to the laws of the State of Alabama, United States of America, on occurrence of disputes. This is a misconduct with vast ramifications whereby the Institute was subjected to the laws of a foreign country without its concurrence. Dr. Kamal Jain has been correctly held responsible for the charge framed vide Article-5.

After going through on and duly deliberating on all the facts of the case, the Board resolved as under:

**RESOLUTION NO.BG/13/2011:** The Board considered the proceedings of the Enquiry Committee, the Articles of charges, so framed, and the defence of Dr. Kamal Jain. The Board finds that adequate opportunity has been provided to Dr. Kamal Jain to defend himself. The charges framed against him have been established, and considers that Dr. Kamal Jain has been correctly held responsible for the charges levelled against him vide the memorandum. The Board further considers that Dr. Kamal Jain has committed serious misconduct under

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Service Conduct Rule No. 3(1). The Board therefore has decided to award the penalty of reduction of pay by one stage from Rs.49,170/- to Rs.47,460/- in the Pay Band-4 (Rs.37,400-67,000) and the Academic Grade Pay of Rs.9,500/- for a period of five years w.e.f. 21.4.2011 to Dr. Kamal Jain, Associate Professor (on probation) in the Department of Civil Engineering. It is further decided that Dr. Kamal Jain will not earn increments of pay during the period of reduction and that on expiry the said period, the reduction will not have the effect of postponing his future increments of pay.

**Item No.31.4.6: To consider the modifications in Institute purchase Rule 8(g) regarding demand of Earnest Money Deposit (EMD) from the firms and Rule 8(k) related to sending enquiry letter through e-mail/FAX.**

This item was withdrawn.

**Item No.31.4.7: To consider inclusion of 03 years Diploma in Engineering in the minimum educational qualification for the post of Junior Technical Superintendent as for the post of Junior Engineer.**

**RESOLUTION NO.BG/14/2011: RESOLVED THAT** the minimum qualifications for the post of Junior Technical Superintendent be approved as under:

(a) M.Sc. in appropriate field/ B.Tech/BE or B.Sc. with 02 years relevant experience.

OR

Diploma in Engineering in the relevant field with 03 years experience.

OR

MCA with one year experience.

(b) Knowledge of Computer applications.



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**Item No.31.4.8: To consider further course of action on the representation dated 25.12.2010 of Mr. Bharat Jhunjhunwala, Lakshmoli, PO Maletha, Kiriti Nagar, U.K. regarding study of Cumulative Impacts of Hydropower Projects on Ganga River conducted by Dr. Arun Kumar, of the Alternate Hydro Energy Centre, IIT Roorkee, as the Principal Investigator.**

The Board considered the representation of Mr. Bharat Jhunjhunwala, regarding the study: Cumulative Impacts of Hydropower Projects on Ganga River, undertaken by Dr. Arun Kumar of IIT Roorkee, as a individual Consultancy Project in the capacity of Principal Investigator of the project, and noted that the representation is regarding the technical aspects of the study.

**RESOLUTION NO.BG/15/2011:** The Board then resolved that the representation of Mr. Bharat Jhunjhunwala be sent to Dr. Arun Kumar, the Principal Investigator of the said Consultancy Project, which is regarding the scope of work to be carried out, and the terms of reference with respect to technical aspects of the work to be covered under the project. Alterations shall have to be considered and decided by the sponsoring agency and the Principal Investigator of the project.

**Item No.31.4.9: To consider the issue the change of qualifications for Technical Officers (Level-I, II, III).**

**RESOLUTION NO.BG/16/2011: RESOLVED THAT** the revised qualifications for the posts of Technical Officer (Level-I), Technical Officer (Level-II) and Technical Officer (Level-III) be approved as under:

**(A) Technical Officer (Level-I)**

**Essential:**

M.Tech. in relevant area with good II<sup>nd</sup> class or equivalent.

**Or**

Master of Computer Applications with good (II<sup>nd</sup> class) or equivalent.

**Or**

B. Tech. in the relevant branch of Engineering with good II<sup>nd</sup> class or its equivalent with 2 years relevant experience.

**Or**

  
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M.Sc. in relevant branch with good II<sup>nd</sup> class with 2 years relevant experience.

**Desirable:** In addition to the above experience:

2 years experience of operation and maintenance of sophisticated/Computer based instruments in an educational Institute of repute or R&D organization.

**Or**

2 years experience of operation and maintenance of computers, peripherals and data administration.

**Or**

2 years experience of operation and maintenance of Computer Networks in an educational Institute of repute or R& D organization.

**(B) Technical Officer (Level-II)**

**Essential:**

Ph.D. in relevant area of Science or Engineering.

**Or**

M.Tech. with good II<sup>nd</sup> class in the relevant area with 3 years relevant experience.

**Or**

Master of Computer Applications with good II<sup>nd</sup> class with 3 years relevant experience.

**Or**

B. Tech. with good II<sup>nd</sup> class in the relevant area with 5 years relevant experience.

**Desirable:** In addition to the above experience:

3 years experience of operation and maintenance of sophisticated/Computer based instruments in an educational Institute of repute or R& D organization.

**Or**

3 years experience of operation and maintenance of computers, peripherals and data administration.

**Or**

3 years experience of operation and maintenance of Computer Networks in an educational Institute of repute or R& D organization.



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**(C) Technical Officer (Level-III)**

**Essential:**

Ph.D. in the relevant area of Science or Engineering with 5 years relevant experience.

**Or**

M.Tech. with good II<sup>nd</sup> class in relevant area with 7 years experience.

**Or**

Master of Computer Applications with good II<sup>nd</sup> class with 7 years relevant experience.

**Or**

B. Tech. with good II<sup>nd</sup> class in the relevant area with 9 years relevant experience.

**Desirable:** In addition to the above experience:

5 years experience of operation and maintenance of sophisticated/ Computer based instruments in an educational Institute of repute or R& D organization.

**Or**

5 years experience of operation and maintenance of computers, peripherals and data administration.

**Or**

5 years experience of operation and maintenance of Computer Networks in an educational Institute of repute or R& D organization.

**Job requirement for all Technical Officers positions:**


Operation and Maintenance of Instruments/Computers, peripherals and data base administration, Computer Network.

**Note:** The specialization & relevant experience will be decided by the Director on the recommendations of the concerned Department/Centre/Unit.

**Item No.31.5.1: To report the decisions/actions taken by the Chairman, Board of Governors, on behalf of the Board of Governors.**

The Board ratified the approvals accorded by the Chairman, Board of Governors on behalf of the Board.

**RESOLUTION NO.BG/17/2011: RESOLVED THAT** the approvals accorded by the Chairman, Board of Governors on behalf of the Board are ratified.

  
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- (i) Signing of MoU between IIT Roorkee and Lulea Tekniska Universitet (LTU). The MoU was signed 8.3.2011 (**Annexure 'A'**).
- (ii) Signing of the MoU between IIT Roorkee and School of Technology and Architecture, Lucerne, University of Applied Sciences, Switzerland (HTA). The MoU was signed 8.3.2011 (**Annexure 'B'**).
- (iii) Signing of the MoU between IIT Roorkee and Kungliga Tekniska Hogskolan (KTH) (**Annexure 'C'**).
- (iv) Signing of the MoU between IIT Roorkee and Ai Baath University of Syrian Arab Republic. The MoU was signed on 21.6.2011. (**Annexure 'D'**).
- (v) Signing of the MoU between IIT Roorkee and Ministry of New and Renewable Energy, Government of India against their HRD Programme. (**Annexure 'E'**).
- (vi) Signing of the MoU between IIT Roorkee and Linkpoing University (LIU) Sweden. The MoU was signed on 28.9.10 (**Annexure 'F'**).
- (vii) Fixation of Hotel Charges abroad in respect of Group 'A' Staff (Faculty / Scientists/ Officers) who go abroad on duty (**Annexure 'G'**).
- (viii) Deletion of the words, "which may be availed by the employees involved in teaching" from the last sentence of the Clause 3(1) of the Vacation and Leave Rules.
- (ix) Extension of probation period of Dr. Mukesh Bhardwaj, Assistant Professor, Department of Metallurgical & Materials Engineering.
- (x) Re-employment of Dr. M.C. Bansal, Professor, Department of Paper Technology, Saharanpur, Campus upto the end of the Academic Session i.e. 30.06.2011.
- (xi) Re-employment of Shri P.K. Patel, Associate Professor, Department of Architecture & Planning upto the end of the Academic Session i.e. 30.06.2011.

  
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- (xii) Extension of probation period of Dr. Kamal Jain, Associate Professor, Department of Civil Engineering.
- (xiii) Extension of appointment of Dr. Anjali Sardana, Assistant Professor (On Contract), Deptt. of E&CE.
- (xiv) Request of Shri Khem Chand Jain, AEE(Civil) (On Deputation), E&W for repatriate to parent department w.e.f. 28.02.2011.
- (xv) Recommendations of the Selection Committee held on 17.01.2011 for the post of Assistant Professor in the Department of Earth Sciences.
- (xvi) Recommendations of the Selection Committee held on 17.01.2011 for the post of Assistant Professor (on contract) in the Department of Earth Sciences.
- (xvii) Recommendations of the Selection Committee held on 02.02.2011 for the post of Assistant Professor in the Department of Biotechnology.
- (xviii) Recommendations of the Selection Committee held on 02.02.2011 for the post of Assistant Professor (on contract) in the Department of Biotechnology and Centre of Nanotechnology.
- (xix) Recommendations of the Selection Committee held on 15.02.2011 for the post of Assistant Professor in the Department of Chemistry and Paper Technology, Saharanpur, Campus.
- (xx) Recommendations of the Selection Committee held on 15.02.2011 for the post of Assistant Professor (on contract) in the Centre for Nanotechnology.
- (xxi) Appointment of a Dean (Grater Noida Extension Centre) w.e.f. 15<sup>th</sup> April 2011 (**Annexure 'H'**).
- (xxii) Permission to fill up the posts of Chief Medical Officer, Medical Officer (Regular) and Medical Officer (on contract) in the IIT Roorkee Campus and Saharanpur Campus (**Annexure 'I'**).

  
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**Item No.31.5.2: To report certain matters for the Information of the Board of Governors.**

**RESOLUTION NO.BG/18/2011: RESOLVED THAT** the matters, as listed below, were noted and recorded.

- (i) Minutes of the 25<sup>th</sup> Meeting of the Finance Committee of the Institute held on 19.01.2011.
- (ii) This item was withdrawn.
- (iii) **Award of Renewable Energy Chair under HRD Scheme of the Ministry.**

Noted that the Ministry of New & Renewable Energy vide his letter No. 10/14/2010-P&C dated 25.3.2011 (**Annexure 'J'**) convey the sanction of President to award a Renewable Energy Chair to Indian Institute of Technology, Roorkee in accordance with the provisions of Administrative approval of HRD Programme of the Ministry notified vide No. 10/19/2007-P&C dated 11.10.2010 and to release a one-time grant-in-aid of Rs.1,50,00,000/-) Rs. One crore fifty lakh only) to IIT Roorkee for this purpose. An MoU has been signed between MNRE & IIT Roorkee for this purpose.

- (iv) **Minutes of the Anomaly Committee on pay fixation in IITs held on 15.2.2011 have been received from the Ministry of HRD vide F.No. 17-9/2010-TS.I dated 25.3.2011 (Annexure 'K').**

Noted the under-mentioned decisions taken in respect of IIT Roorkee:

**Item No. 5: IIT Roorkee-**Pre revised pay scales of Rs.12000-18300 and Rs.16400-22400 are not mapped with any scale of pay mentioned in the CS (RP) Rules 2008. Hence, IIT Roorkee have requested for the revised pay Band and GP with respect to this for arrear calculation of the incumbents.

It was decided that these pay sales should be mapped as per the replacement scale in Ministry of HRD, Department of Higher Education letter No. F.3-1/2009U.I dated 4.6.2009 applicable to UGC Pay Scales.

  
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**Item No. 6: IIT Roorkee**-Revision of rates of Family Planning Allowance (FPA) for adoption of small family norms following the 6<sup>th</sup> PC recommendations. Sine, FPA in respect of pre-revised pay scale of Rs. 12000-420018300 and Rs. 16400-450-29000-500-22400 was not available in OM No. 7(20)/2008 F.III (A) dated 24<sup>th</sup> September 2008 issued by Ministry of Finance, the FPA applicable to next lower scales were given to the faculty members by IIT Roorkee:

Rate of Family Planning allowance would be granted as per the Grade Pay equivalent to Academic Grade Pay mentioned in Para B of Ministry's letter No. F.1-1/2010 TS.I dated 23.9.2010.

**Item No. 8: IIT Roorkee**-Three special case of Pay fixation of Assistant Professors (SG)- IIT Roorkee's proposal to accord approval in the case of these 03 Assistant Professors of erstwhile University of Roorkee who were given Selection Grade of Rs.5100-7300 with the designation of Asstt. Professors and allowed to continue in the Professors' Scale in 5<sup>th</sup> Pay Commission. However, IIT Roorkee in 6<sup>th</sup> CPC has placed them in the Pay Scale of Rs.37400-67000 with AGP Rs.9000/-.

Replacement Pay Band of Rs. 37400-67000 as per S-29 of Fitment Table (Part A Section I of the First Schedule) may be given with Grade Pay Rs.10,000/-.

**Resolution:** Re-fixation will be in Professor's pay scale i.e. PB-4 with GP of Rs.10,000/- and will be applicable w.e.f. 1.1.2006.

**Item No.14: IIT Roorkee** - Revision of qualification and pay scale of Institute Engineer who heads the Construction Division of IIT Roorkee in PB-4 Rs. 37400-67000 with GP Rs. 8700/- at par with those at IIT Delhi, Kanpur & Kharagpur.

Since, the Grade Pay of Supdt. Engineer in CPWD has been revised to Rs. 8700/- in PB-4, we have allowed the same grade pay to the Supdt. Engineers in new IITs. The individual IITs may be given the freedom to designate the officer either as Supdt. Engineer or Institute Engineer.

  
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**Resolution:** The designation will be Superintending Engineer in PB-4, Rs.37400-67000 with a GP of Rs.8700/- which will be applicable with effect from 1.1.2006.

**Item No. 20: IIT Roorkee** - Representation of Prof. Srinivas Pandey , Professor, IIT Roorkee to give the 2<sup>nd</sup> stagnation increment on 1.1.2006 instead of giving the same in the revised pay structure.

Prof. Pandey is eligible to get stagnation increment w.e.f. 1.1.2006 in the pre-revised scale. This is as per CS (RP) Rules 2008.


**Item No.21: IIT Roorkee** - Adoption and implementation of pay scales given in Part 'B' of first schedule of CCS (RP) Rules 2008 in r/o Nurses/Pharmacists, Lib Information Officers etc.

The Committee decided that a detailed proposal having the following details may be obtained from IIT Roorkee:

- (i) Pay scale in 5<sup>th</sup> CPC
- (ii) Existing pay scale allowed in 6<sup>th</sup> CPC
- (iii) Minimum qualifications for appointment to the post.
- (iv) Duties attached to the post including teaching hours, (in r/o teachers)
- (v) Whether the conditions prescribed in Pat 'B' Section II.

**(v) The following appointments were made:**

Sl. No.	Name	Designation	Department	Date of Joining
1.	Dr. Jaydev	Asstt. Professor	Paper Technology	20.12.2010
2.	Dr. Vimal C. Srivastava	Asstt. Professor	Chemical Engineering	27.12.2010 (AN)
3.	Dr. Ram Prakash	Asstt. Professor	Chemical Engineering	27.12.2010 (AN)
4.	Dr. Amit Kumar Dhiman	Asstt. Professor	Chemical Engineering	27.12.2010 (AN)
5.	Dr. Prakash Biswas	Asstt. Professor	Chemical Engineering	27.12.2010 (AN)
6.	Dr. Anil Kumar Gourishetty	Asstt. Professor (On Contract)	Physics	03.01.2011
7.	Dr. Sharmili Das	Asstt. Professor	Electrical Engineering	10.01.2011

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8.	Dr. M.V. Sunil Krishna	Asstt. Professor (On Contract)	Physics	09.02.2011
9.	Dr. Yogesh Vijay Hote	Assistant Professor	Electrical Engineering	18.02.2011
10.	Dr. Sandeep Kumar	Assistant Professor	Electronics & Computer Engineering	18.02.2011
11.	Dr. Abhayanand Kr. Maurya	Asstt. Professor (On Contract)	Earth Sciences	18.02.2011
12.	Dr. (Mrs.) Shaily Tomar	Assistant Professor	Biotechnology	23.02.2011
13.	Dr. Vimal Kumar	Asstt. Professor (On Contract)	Chemical Engineering	28.02.2011
14.	Dr. Vinod Pankajakshan	Asstt. Professor (On Contract)	Electronics & Computer Engineering	01.03.2011
15.	Dr. Lalita Sharma	Asstt. Profecesor (On Contract)	Physics	09.03.2011

**(vi) The following Faculty Members and other staff have superannuated/resigned:**

Sl. No.	Name	Designation	Department	Date of superannuation/ Resignation
1.	Dr. M.C. Bansal	Professor	Paper Technology	31.1.2011
2.	Sri Bharat Gupta	Asstt. Prof.	Electrical Engineering	28.2. 2011
3.	Sri K.C. Jain	AEE (Civil)	Estate & Works	28.2.2011 (Repatriated to his parent organization)
4.	Sri P.K. Patel	Assoc. Prof.	Architecture & Planning	31.3. 2011

**(vii) The following Faculty members and other staff have been brought on regular cadre:**

Sl. No.	Name	Designation	Department	Date on which brought on Regular Cadre
1.	Mrs. Sushma Gupta	Dy. Librarian	Central Library	05.11.2010
2.	Dr. (Mrs.) Tashi Nautiyal	Professor	Physics	08.12.2010
3.	Dr. Ghanshyam Das Varma	Associate Professor	Physics	08.12.2010
4.	Dr. (Mrs.) Davinder Kaur	Associate Professor	Physics	08.12.2010
5.	Dr. (Ms.) Tulika Maitra	Assistant Professor	Physics	08.12.2010



6.	Dr. (Mrs) Pushplata	Professor	Architecture & Planning	08.12.2010
7.	Dr. Rajdeep Chatterjee	Assistant Professor	Physics	14.12.2010
8.	Dr. B.K. Kaushik	Assistant Professor	Electronics & Computer Engineering	18.12.2010
9.	Mr. Amarendra Kumar Sharma	Assistant Librarian	Central Librarian	22.12.2010
10.	Dr. Vikram Vasant Dabhade	Assistant Professor	Metallurgical & Materials Engineering	24.12.2010
11.	Dr. Vishal Kumar	Assistant Professor	Electrical Engineering	24.12.2010

The meeting ended with a Vote of Thanks to the Chair.



14 MAY 2011

**Memorandum of Understanding for Academic Cooperation  
between  
Indian Institute of Technology Roorkee (IITR)  
and  
Lulea Tekniska Universitet (LTU)**

Indian Institute of Technology Roorkee (IITR) and Lulea Tekniska Universitet (LTU) recognize their strengths in research and education in one or more disciplines of science, engineering, management and social sciences, and their mutual interest in engaging themselves in academic cooperation.

Therefore, IITR and LTU agree to establish a programme for academic cooperation in areas of mutual interest, and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

**A. Objectives**

The goal of this cooperation is to foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions, IITR and LTU agree :

- a) to exchange information on research and educational programmes,
- b) to exchange information on teaching, learning material and other literature relevant to their educational and research programmes,
- c) to jointly organize short-term continuing education programmes on topics of mutual interest and to invite each other's faculty to participate therein,
- d) to jointly organize seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein,
- e) to jointly propose and engage in research or training programmes sponsored by funding agencies, and to invite each other's faculty to participate therein,
- f) to exchange, on a reciprocal basis, students at Undergraduate, Graduate and Doctoral levels for limited periods of time for purpose of education and /or research.

IITR and LTU agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two institutions. These terms shall include a technical description of proposed activity, financial arrangements, and person(s) responsible for its implementation, etc.

**B. Joint Sponsored Research, Development and Consulting**

IITR and LTU agree to help identify and invite faculty members from the other institution to participate in research or development programmes already

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sponsored by external funding agencies. The terms and conditions for such participation will be worked by mutual agreement between the faculty member(s) and the institution extending such an invitation.

When a faculty member visits the other institution on invitation or as part of such joint research project, then such a visit will be classified as such, and handled as per rules of the individual institution.

### **C. Exchange of Faculty, Scientists and Staff**

IITR and LTU agree to encourage collaboration between faculty and scientists from the two institutions. Specifically, the institutions will encourage members of their faculty to undertake short visits to, or take up fixed-term visiting assignments at, each other's institution during vacation periods or sabbatical leave. The terms and conditions for each visit or an assignment, including those concerning stipend, travel, and housing, will be worked out between the concerned faculty member and the institution extending an invitation.

Notwithstanding the above, IITR and LTU will examine ways to identify financial resources to fund international travel by their faculty/scientists/students.

### **D. Student Exchange**

IITR and LTU agree that student exchange will be guided by principles listed below. A home institution refers to the institution where a student is a full-time student, and from where he/she is expected to graduate. A host institution refers to an institution that receives a student for a brief period of time to undertake a pre-determined programme of study or research.

- a) Exchange students will be selected by mutual agreement between the home institution and the host institution.
- b) An exchange student will continue to be treated as full-time student at his/her home institution.
- c) An exchange student will be considered as full-time "exchange" student at the host institution.
- d) His/her program of study at the host institution will be determined by mutual consultation between his/her academic advisor at the home institution and his/her "interim" academic advisor identified by the host institution.
- e) The host institution will evaluate an exchange student's performance in each course or module, award a letter grade or marks, and issue a letter to that effect.
- f) The home institution may award to the exchange student credits earned at a host institution, but only after the home institution has established correspondence between courses taken at the host institution vis-à-vis those offered at the home institution.

  
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- g) If an exchange student has undertaken research, then the host institution will evaluate the exchange student's performance in the research, and issue a letter to that effect, together with a technical "report" of the research carried out,
- h) If an exchange student has undertaken research, then the home institution will take note of the performance evaluation and the technical report, and take steps in accordance with its own procedures.
- i) As a host institution, IITR and LTU will, if possible, make every effort to arrange for subsidized housing for exchange students.
- j) IITR and LTU will examine ways to identify financial resources to fund international travel by students.
- k) The exchange students will pay tuition and other fees at their home institution and will be exempted from paying fees at the host institution except for social services.

#### **E. Exchange of Scientific and Technical Material**

IITR and LTU will exchange information on research and educational programmes and teaching/learning material and other literature relevant to their educational and research programmes. Further, IITR and LTU agree to explore ways to share teaching / learning material, and other relevant literature, while respecting each other's intellectual property and other rights.

#### **F. Joint Conferences, workshops and short-term courses**

IITR and LTU agree to help identify and invite faculty members from the other institution to participate in conferences, workshops and short-term courses. The terms and conditions for such participation will be worked out by mutual agreement between the invited faculty member(s) and the institution extending such an invitation.

When a faculty member visits the other institution on invitation or as part of such joint activity, then such a visit will be classified as such, and handled as per rules of individual institution.

#### **G. Intellectual Property**

IITR and LTU agree to respect each other's rights to intellectual property. Further, the intellectual property rights that arises as a result of any collaborative research or activity under this MoU will be worked out on a case-to-case basis, and will be consistent with officially laid down IPR policies of the two institutions.

#### **H. Co-ordination**

Each institution shall appoint one member of its teaching/research faculty to coordinate the programme on its behalf. Further, a coordination committee,

  
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consisting of (a) Director, IIT Roorkee, or his/her nominee, (b) Vice Chancellor/President, LTU or his/her nominee, (c) Program Coordinator from the side of IITR, and (d) Programme Coordinator from the side of LTU, will periodically review and identify ways to strengthen cooperation between the two institutions.

#### I. Tenure and Termination:

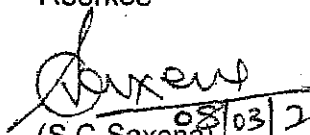
This MoU will take effect from the date it is signed by representatives of the two institutions. It will remain valid for five years, and may be continued thereafter after suitable review and agreement.

Either institution may terminate the MoU by giving written notice to the other institution six months in advance. Once terminated, neither IITR nor LTU will be responsible for any losses, financial or otherwise, which the other institutions may suffer. However, IITR and LTU will ensure that all activities in progress are allowed to complete successfully.

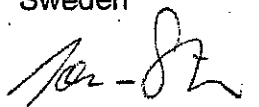
#### J. Arbitration Clause

Should there be a dispute relating to any aspect of academic cooperation, Director, IITR and Vice Chancellor / President, LTU will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

Signed for  
Indian Institute of Technology  
Roorkee

  
(S.C. Saxena) 08/03/2011  
Director

Signed for  
Lulea Tekniska Universitet (LTU),  
Sweden

  
Vice Chancellor

Witness:

P. Kumar,  
(Pradeep Kumar)  
Dean, Finance & Planning

Date: March 8, 2011

Witness:

Karin Axelsson Grafton  
International Liaison Officer

2011-03-12  
UNIVERSITY OF  
OF TECHNOLOGY  
Education and  
Research Office  
International Office  
Lulea Tekniska Universitet

  
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**MEMORANDUM OF UNDERSTANDING**

**THIS AGREEMENT**, entered into this 08 (date) 03 2011 between Indian Institute of Technology, Roorkee, India (IITR) and School of Technology and Architecture, Lucerne, University of Applied Sciences, Switzerland (HTA).

**WITNESSETH THAT:**

**WHEREAS**, Indian Institute of Technology, Roorkee and HTA Lucerne desire to promote the enrichment of their teaching and research programs; and

**WHEREAS**, Indian Institute of Technology, Roorkee and HTA Lucerne desire to strengthen and expand the mutual contacts between the two universities; and

**WHEREAS**, Indian Institute of Technology, Roorkee and HTA Lucerne desire to provide for an exchange of faculty and other collaboration between the two universities on the terms and conditions hereinafter set forth;

**NOW THEREFORE**, it is mutually agreed as follows:

- I. **Scope of Agreement** - The Agreement shall initially cover the following types of faculty and graduate student exchanges, collaborative research and other forms of collaboration.

A. Faculty Exchange

1. Short-term Visiting Scholars (three months or less)
2. Long-term Visiting Scholars (for either one (1) semester, one (1) academic year, one (1) calendar year, or more)

B. Graduate Student Exchanges

C. Collaborative Research

D. Other mutually agreed educational programs

- II. **Definitions** - As used herein the terms "host university" and "home university" shall have the following meanings:

A. Host University - the university or institute accepting the exchanged scholar or student.

B. Home University - the university or institute providing the exchanged scholar or student.

- III. **Period of Agreement** - This Agreement shall be effective 08 (date) 03 2011 and continue in full force for 5 years and effect subject to conditions in XII.

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**IV. Initiation of Exchange** - Each exchange under the terms of this Agreement will be initiated by the respective departments or disciplines of Indian Institute of Technology, Roorkee and HTA Lucerne. The details of each exchange shall be agreed upon in writing by the designated liaison officials of each University/Institute and approved by the respective authorities of the two universities/institutes.

**V. Visiting Scholar Exchanges**

**A. Procedures**

1. The cooperating institutions will exchange information describing the kinds of activities in which each would have the greatest interest.
2. The process should begin by contacts between individual faculty from the cooperating institutions/university, and the official procedure should be initiated by a hosting faculty through regular administrative channels.
3. The host institution/university will accept qualified candidates in accord with availability of hosting faculty, facilities and funding.


**B. Responsibilities of the Home University**

1. Assist each short-term visiting scholar in the process to get salary/scholarship and fringe benefits like travel, insurance etc. from appropriate sources, including public enterprises.

**C. Responsibilities of the Host University**


1. Provide adequate facilities for the effective conduct of the program of work for visiting scholar, who will provide full information on research plans and equipment requirements in the request to visit. The extent of provisions is to be mutually agreed upon in advance of finalization of each individual exchange. Such agreement shall involve appropriate liaison and the involved faculty members at both host and home universities.
2. Provide accommodation at nominal charges subject to availability.
3. In case accommodation is not available, assist exchange in locating adequate housing for the period of the visit of the scholar and provide local travel and per diem expenses associated directly with the visiting scholar's assignments.

**VI. Graduate Studies** - With aid from the designated liaison at both institutions, faculty of each institution will be encouraged to nominate quality students for graduate study and research at the other. Acceptance for graduate study and research will be in accordance with the established policies of the host institution. It is expected that students admitted for such graduate study and research will be considered as regular graduate students by the host

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institution. The host institution will provide the usual and normal privileges to such graduate students. Any graduate study or research program that is outside the scope of the previously described program must be the subject of a separate agreement between the institutions.

- VII. Collaborative Research** - With aid from the designated liaison at both institutions, faculty will be encouraged to develop linkages that can lead to productive collaborative research projects. Normally proposals for such projects would emerge from the faculty of the two (2) institutions. Each collaborative research arrangement will be treated individually. Faculty at both institutions will be encouraged to develop collaborative research proposals and obtain funding necessary to implement the research projects. Projects requiring funding by the institutions must be approved by both institutions before starting them.
- VIII. Other Collaborative Activities** - The text of this Agreement is not intended to limit the scope of future collaborative projects.
- IX. Designated Liaison Officials** - Indian Institute of Technology, Roorkee, and HTA Lucerne shall each designate to the other, within sixty (60) days after the execution of this Agreement, the liaison official(s) authorized to endorse exchanges and other collaborative activities.
- X. Termination** - This Agreement may be terminated by either party providing the other written notice of its intent to terminate. Such notice shall be given at least one (1) year prior to the effective date of the termination.
- XI. Intellectual Property - Disposition of Materials** - Inventions or materials developed under the terms of this Agreement by exchanged faculty members shall be assigned to the host university. Proceeds from said invention or material shall be shared by Indian Institute of Technology, Roorkee and HTA Lucerne in accordance with their input of personnel and facilities. The host university shall provide the home university with an irrevocable, royalty-free, non-exclusive license to use the invention or materials for educational purposes, but not for commercial purposes. If the inventions or materials are made or developed in the course of a sponsored program funded by grant or contract, the determination of rights shall be subject to, and limited to, the provisions of the contract or grant. The host university shall notify the home university of such conditions by indicating such at the time of implementation of the exchange.
- IITR and HTA agree to respect each other's rights to intellectual property. Further, the intellectual property rights that arise as a result of any collaborative research or activity under this MoU will be worked out on a case-to-case basis, and will be consistent with officially laid down IPR policies of the two institutions.
- XII. Non-discrimination** - Indian Institute of Technology, Roorkee and HTA Lucerne agree that no person shall on the grounds of race, colour, national origin, sex, or creed be excluded from participation under the terms of this Agreement.

  
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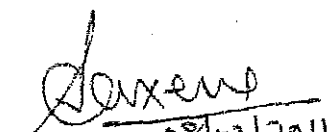


XIII. **Modification** - The terms of this Agreement may be changed or modified only by written amendment signed by authorized agents of the parties hereto.

XIV. **Resolution of disputes** - Any dispute or differences which may arise between the members relating to any matter under this MOU shall be settled by consolation and negotiation, or failing that, through mediation by a mutually agreed third party.

**IN WITNESS WHEREOF**, Indian Institute of Technology, Roorkee and HTA Lucerne have executed this Agreement as of the date first above written.

Indian Institute of Technology, Roorkee

  
(S.C. Saxena) 08/03/2011  
Director


HTA Lucerne

  
Rector 25/3/11

Witness :

P. Kumar  
(Prof. Pradeep Kumar)  
Dean, Finance & Planning  
March 8, 2011

Witness :

  
Vice Dean  
25.3.11

  
14 MAY 2011

**INDIAN INSTITUTE OF TECHNOLOGY  
ROORKEE**

Registrar's Office  
No. 871 Dt. 23/2  
Signature: *[Signature]*

Subject : Approval for signing the MoU

There is a proposal to sign the MoU with Kungliga Tekniska Hogskolan (KTH) Sweden to be signed (for renewal). The aim of the MoU is to define the framework for common measures to be taken by KTH and IITR in order to promote the exchange of persons, activities and experience in relevant fields of higher education and research.

The draft MoU was discussed in the Educational Research & Planning Committee (ERPC) meeting held on Jan. 1, 2011. The committee recommended that the MoU be signed after some modifications (Minutes of the ERPC at Flag - A).

A list of activities done during the period of MoU is also enclosed.

The draft copy of the MoU is enclosed for your kind perusal.

It is requested that approval for signing the MoU with the above Institution/ University may kindly be accorded.

The entire matter shall be reported in the next meeting of Board of Governors.

*The proposal vide 'A' above is  
approved.*

*[Signature]*  
15.2.2011

*[Signature]*  
(S.C.Saxena)

Sri Ashok Bhatnagar Ji  
Chairman, Board of Governors, IIT Roorkee  
R/O 117, SFS Apartments  
Hauz Khas  
New Delhi 110 016

*chairman, B.O.G.*

Encl: As above

U.O. No/IITR/DFP/MoU/ 405

Dated : 10-2-2011

*D (F&D) / R ✓*

*ENIA - please.*  
**-29-**

*MK*  
*[Signature]*

*[Signature]*

*[Signature]*  
14 MAY 2011

Minutes of the Educational Research & Planning Committee (ERPC) meeting held on 25.1.2011 at 12.30 P.M. in the office of Dean, Finance & Planning.

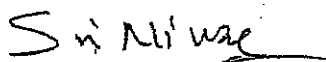
Following were present :


1. Prof. S.P.Gupta, Dean, Alumni Affairs
2. Prof. Surendra Kumar, Dean, Academic Research
3. Prof. Sri Niwas, Earth Sciences Department
4. Prof. A.K.Jain, Physics Department
5. Prof. Pradeep Kumar, Dean, Finance & Planning Convener

The meeting of Educational Research & Planning Committee was held on 25.1.2011 at 12.30 P.M. to consider the MoU with Kungliga Tekniska Hogskolan (KTH) Sweden to be signed (**for renewal**) with IIT Roorkee.


After detailed discussion, the ERPC found some typographical mistakes in the draft MoU. It is suggested that the same may be rectified and after the same, the above MoU may be signed for renewal. A list of activities carried out under this MoU, so far, be also prepared.

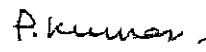
The meeting ended with a vote of thanks to the chair.

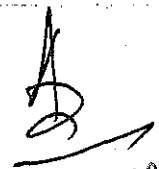
  
(Prof. Sri Niwas)

  
(Prof. A.K. Jain)

  
(Prof. S.P. Gupta)

  
(Prof. Surendra Kumar)

  
(Prof. Pradeep Kumar)

  
14 MAY 2011

## **GENERAL AGREEMENT ON COOPERATION**

between

**KTH, KUNGLIGA TEKNISKA HÖGSKOLAN**  
(Royal Institute of Technology)  
SE - 100 44 Stockholm  
SWEDEN

and

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**  
ROORKEE, 247 667(U.K.) INDIA

### **I. Preamble**

In furtherance of their mutual interest in the fields of education and research, KTH, Kungliga Tekniska Högskolan, and Indian Institute of Technology Roorkee (IIR), hereby agree as follows:

### **II. Objectives and scope**


Both parties shall encourage co-operation between research groups, researchers and Institute staff and their exchange visits for teaching and research. In this context, the conditions for the exchange shall be established by specific agreements between the respective schools/ departments. The research reports/thesis will be freely available to both institutes.

1. The aim of the present agreement is to define the framework for common measures to be taken by KTH and IITR in order to promote the exchange of persons, activities and experience in relevant fields of higher education and research.
2. KTH and IITR shall cooperate in fields of education and research to be agreed upon between their schools and/ or departments subject to the provisions of this Agreement. Within the fields to be mutually designated, both Institutes agree to the following general forms of cooperation.
3. Participating students under this agreement will be enrolled as non-degree students at the Host Institute. Credits will be transferred to the Home Institute as soon as possible after the completion of studies of the respective student.

### **III. Implementation of Programme**

The exchange of students under this agreement will be conducted in accordance with the following principles:

- Both Institutes agree to waive tuition charges for incoming students;
- Selection of exchange students will be made by mutual agreement and by following the appropriate steps as required by each of the Institutes. The

 14 MAY 2011

students must have completed a minimum period of academic studies at the Home Institute as stipulated in its regulations;

- The final admission of students is always at the discretion of the Host Institute;
- Each academic year, each Institute may send a mutually agreed number of students under this agreement.

#### **IV. Financial Terms**

1. There is no direct financial obligation on either Institute unless specifically agreed to.
2. The students will be responsible for covering the travel costs to the host country and living costs during the stay, including accommodation, books, equipment, consumables, health insurance, student union fee and other expenses arising out of the exchange. Efforts will be made to subsidize these costs and to provide support from various funding agencies.
3. The Host Institute will render assistance to the incoming students in finding appropriate accommodation;
4. Students participating under the terms of this exchange will be entitled to participate in any introductory program that may customarily be arranged for foreign students;
5. Each Institute will offer the incoming exchange students at least one intensive language course free of charge, if possible/if required;
6. Exchanges including training periods and/or writing degree thesis must be agreed upon in advance on a case-by-case basis.

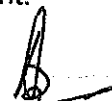
Students participating under this agreement shall be subjected to the rules and regulations of the Host Institute. They will also have the rights and privileges enjoyed by other students at the Host Institute.

#### **V. Programme Coordinators**

Each Institute will nominate its own representative within each field of cooperation, and such representative will be responsible for all measures to be undertaken under this agreement. The representatives will provide advisory and other academic services to students participating under this Agreement.

#### **VI. Duration**

This agreement shall come into effect on the day of approval by both the Institutes for a duration of five years. After its expiry, the agreement may be renewed for another period of five years by mutual consent.

  
14 MAY 2011

## VII. Amendment(s)

Amendments or changes to this agreement shall be made in writing and signed by the duly authorized representatives of the two Institutes.

## VIII. IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed, etc. shall be decided by the two parties by mutual consent.

## IX. Termination of the Agreement

Either Institute may terminate this agreement on written notification. Such notification must be given at least six months in advance from the effective date of termination. In such an event, commitments already in progress shall be fulfilled by both parties.

This Agreement is signed subject to approval by the appropriate authorities on both sides.

KUNGL TEKNISKA HÖGSKOLAN(KTH)  
SE - 100 44 STOCKHOLM, SWEDEN

INDIAN INSTITUTE OF TECHNOLOGY  
ROORKEE - 247 667 INDIA

President

(S.C.Saxena)  
Director

Witness :

(Pradeep Kumar)  
Dean, Finance & Planning

Date :

Date :

  
14 MAY 2011

## Appendix A

### ADMINISTRATION OF PROGRAM

#### **Kungliga Tekniska Högskolan (KTH):**

Administration of the reciprocal exchange program is through the International Office of KTH. All correspondence regarding these matters should be directed to:

Administration of agreement:  
Department: International Office, KTH

Student matters:  
Department: Materials Science and  
Engineering Royal Institute of  
Technology

Name of officer: Alphonsa Lourdudoss  
E-mail: [alphonsa@kth.se](mailto:alphonsa@kth.se)  
Fax: + 46 (0)8 790 8192  
Tel: + 46 (0) 8 790 6569

Name of officer: Prof Seshadri Seetharaman  
E-mail: [raman@kth.se](mailto:raman@kth.se)  
Fax: + 46 (0)8 790 0939  
Tel: + 46 (0)8 790 8355

Surface mail  
Kungliga Tekniska Högskolan (KTH)  
Address: Drottning Kristinas väg 6  
SE - 100 44 Stockholm

Surface mail  
Kungliga Tekniska Högskolan (KTH)  
Address: Brinellvägen 23  
SE - 100 44 Stockholm

#### **Partner University**

Administration of the reciprocal exchange program is through the International Office of KTH. All correspondence regarding these matters should be directed to:

(Pradeep Kumar)  
Dean, Finance & Planning  
Indian Institute of Technology, Roorkee, IITR  
Roorkee-247667(UA), India  
Phone:0091-1332-285270 (Office)

  
14 MAY 2011

## **Appendix B**

### **ACADEMIC CALENDAR & APPLICATION DEADLINE**

**KTH:**

**Autumn semester:** end August – mid January (including examinations)

**Spring semester:** mid January – early June (including examinations)

**Application deadlines:** 15 April and 15 October

***Partner University***

[http://www.iitr.ac.in/common/admission/ug/UG-11\\_Academic\\_Calendar.pdf](http://www.iitr.ac.in/common/admission/ug/UG-11_Academic_Calendar.pdf)

  
14 MAY 2011



**Memorandum of Understanding for Academic Cooperation  
between  
Indian Institute of Technology Roorkee (IITR)  
and  
Al Baath University of Syrian Arab Republic**

Indian Institute of Technology Roorkee (IITR) and Al Baath University (ABU) recognize their strengths in research and education in one or more disciplines of science, engineering, management and social sciences, and their mutual interest in engaging themselves in academic cooperation.

Therefore, IITR and ABU agree to establish a programme for academic cooperation in areas of mutual interest, in line with the desire of both countries' governments to further develop such relations to a higher level for the benefit of both parties, and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

**A. Objectives**

The goal of this cooperation is to foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions, IITR and ABU agree :

- a) to exchange information on research and educational programmes,
- b) to exchange information on teaching, learning material and other literature relevant to their educational and research programmes,
- c) to jointly organize short-term continuing education programmes on topics of mutual interest and to invite each other's faculty to participate therein,
- d) to jointly organize seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein,
- e) to jointly propose and engage in research or training programmes sponsored by funding agencies, and to invite each other's faculty to participate therein,
- f) to exchange, on a reciprocal basis, students at Postgraduate, Graduate and Doctoral levels for limited periods of time for purpose of education and /or research.

IITR and ABU agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two institutions. These terms shall include a technical description of proposed activity, financial arrangements, and person(s) responsible for its implementation, etc.

*Copy to  
Meeting Section for napl.  
Sanjiv Kumar  
2/2/11*

*[Signature]*  
14 MAY 2011

## **B. Joint Sponsored Research, Development and Consulting**

IITR and ABU agree to help identify and invite faculty members from the other institution to participate in research or development programmes already sponsored by external funding agencies.

When a faculty member visits the other institution on invitation or as part of such joint research project, then such a visit will be classified as such, and handled as per rules of the individual institution.

## **C. Exchange of Faculty, Scientists and Staff**

IITR and ABU agree to encourage collaboration between faculty and scientists from the two institutions. Specifically, the institutions will encourage members of their faculty to undertake short visits to, or take up fixed-term visiting assignments at, each other's institution during vacation periods or sabbatical leave.

## **D. Student Exchange**

IITR and ABU agree that student exchange will be guided by principles listed below. A home institution refers to the institution where a student is a full-time student, and from where he/she is expected to graduate. A host institution refers to an institution that receives a student for a brief period of time to undertake a pre-determined programme of study or research.

- a) Exchange students will be selected by mutual agreement between the home institution and the host institution.
- b) An exchange student will continue to be treated as full-time student at his/her home institution.
- c) An exchange student will be considered as full-time "exchange" student at the host institution.
- d) His/her program of study at the host institution will be determined by mutual consultation between his/her academic advisor at the home institution and his/her "interim" academic advisor identified by the host institution.
- e) The host institution will evaluate an exchange student's performance in each course or module, award a letter grade or marks, and issue a letter to that effect.
- f) The home institution may award to the exchange student credits earned at a host institution, but only after the home institution has established correspondence between courses taken at the host institution vis-à-vis those offered at the home institution.
- g) If an exchange student has undertaken research, then the host institution will evaluate the exchange student's performance in the research, and

  
14 MAY 2011

issue a letter to that effect, together with a technical "report" of the research carried out,

- h) If an exchange student has undertaken research, then the home institution will take note of the performance evaluation and the technical report, and take steps in accordance with its own procedures.
- i) The exchange students will pay tuition and other fees at their home institution and will be exempted from paying fees at the host institution except for social services.

#### **E. Exchange of Scientific and Technical Material**

IITR and ABU will exchange information on research and educational programmes and teaching/learning material and other literature relevant to their educational and research programmes. Further, IITR and ABU agree to explore ways to share teaching / learning material, and other relevant literature, while respecting each other's intellectual property and other rights.

#### **F. Joint Conferences, workshops and short-term courses**

IITR and ABU agree to help identify and invite faculty members from the other institution to participate in conferences, workshops and short-term courses. The terms and conditions for such participation will be worked out by mutual agreement between the invited faculty member(s) and the institution extending such an invitation.

When a faculty member visits the other institution on invitation or as part of such joint activity, then such a visit will be classified as such, and handled as per rules of individual institution.

#### **G. Intellectual Property**

IITR and ABU agree to respect each other's rights to intellectual property. Further, the intellectual property rights that arises as a result of any collaborative research or activity under this MoU will be worked out on a case-to-case basis, and will be consistent with officially laid down IPR policies of the two institutions.

#### **H. Co-ordination**

Each institution shall appoint one member of its teaching/research faculty to coordinate the programme on its behalf.

#### **I. Tenure and Termination:**

This MoU will take effect from the date it is signed by representatives of the two institutions. It will remain valid for five years, and may be continued thereafter after suitable review and agreement.

  
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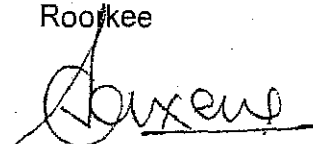
Either institution may terminate the MoU by giving written notice to the other institution six months in advance. Once terminated, neither IITR nor ABU will be responsible for any losses, financial or otherwise, which the other institutions may suffer. However, IITR and ABU will ensure that all activities in progress are allowed to complete successfully.

**J. Arbitration Clause**

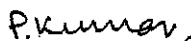
Should there be a dispute relating to any aspect of academic cooperation, Director, IITR and Rector, ABU will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

Signed for

Indian Institute of Technology  
Roorkee

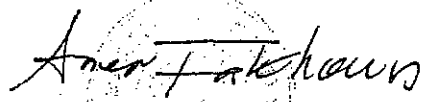
  
Prof. S.C. Saxena  
Director

Witness:

  
Prof. Pradeep Kumar  
Dean, Finance & Planning


Signed for

Al Baath University of  
Syrian Arab Republic

  
Dr. Amer Fakhouri  
Rector

Witness:

Date: June 21, 2010

  
14 MAY 2011

INDIAN INSTITUTE OF TECHNOLOGY  
ROORKEE

Subject : Approval for signing the MoU for MNRE Professorial Chair.

There is a proposal to sign an agreement between Ministry of New and Renewable Energy, Government of India against their HRD Programme to establish a Professorial Chair in new and renewable energy. For this purpose, the Ministry has agreed to create a one time endowment of corpus fund of Rs 1.50 crore at IIT Roorkee.

Ministry of New and Renewable Energy vide e-mail dated 4.2.2011 has communicated along with a MoU format that the renewable energy chair has been granted (Flag -A).

A copy of the agreement is enclosed.

It is requested that approval for signing the agreement with Ministry of New and Renewable Energy, Government of India may kindly be accorded.

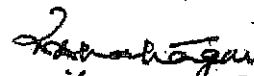
The entire matter shall be reported in the next meeting of Board of Governors.

With profound personal regards,

  
(S.C. Saxena)

Sri Ashok Bhatnagar Ji  
Chairman, Board of Governors, IIT Roorkee  
R/O 117, SFS Apartments  
Hauz Khas  
New Delhi 110 016

*The proposal as at 'A' above is approved.*

  
18.2.2011. Chairman,  
B.O.G.

Encl: As above

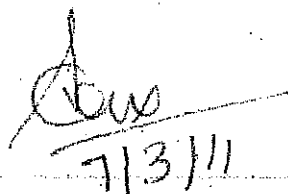
U.O. No/IITR/DFP/MoU/ 406

Dated : 17-2-2011

D(F&D) / R

FNB please

MS  
OK  
7/3/2011

  
7/3/11

  
14 MAY 2011

No. AHEC/0-12/699  
Dated: 09/2/2011

**Dean (Finance and Planning)**

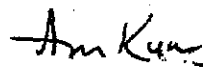
Vide our request note dated Nov 23, 2010 along with the recommendation of professorial committee, we prepared a proposal for Instituting renewable energy chair by Ministry of New and Renewable Energy, Government of India against their HRD programme in new and renewable energy circular dated 11.10.2010. F/A

Our proposal for instituting renewable energy chair (one time grant in aid) sent vide Dean (Finance and Planning) letter dated Nov 24, 2010. F/B

Ministry of New and Renewable Energy vide its letter and email dated Feb 04, 2011 addressed to Director has communicated along with a MoU format that the renewable energy chair has been granted. F/C + F/D

The proposed MoU is in order except that the tenure of the chair has been mentioned as maximum 3 years. This perhaps can be written with initially word.

The dully filled MoU is attached for necessary action and submission to MNRE at the earliest so that the funds ₹. 1.5 crores are released within the current financial year. F/E

  
(ARUN KUMAR) 13/02/2011  
Head AHEC  
**SECRET/HEAD**

  
14 MAY 2011

निदेशक कार्यालय / Director Office  
 मा.पी.सं.क. / IIT Roorkee  
 डाकरी संख्या / Dy. No. .... 281  
 दिनांक / Dated ..... 7/1/2011

director

**From:** "Pradeep Chandra Pant" <pcpant@nic.in>  
**To:** <director@iitr.ernet.in>; <aheciitr@gmail.com>  
**Sent:** Friday, February 04, 2011 3:07 PM  
**Attach:** MOU for RE Chair.docx  
**Subject:** Fwd: Institution of RE Chair

हस्ताक्षर / Signature

----- Original Message -----

**From:** Pradeep Chandra Pant <pcpant@nic.in>  
**Date:** Friday, February 4, 2011 2:48 pm  
**Subject:** Institution of RE Chair  
**To:** dir@iitr.ernet.in

> Dear Sir,

> Please find attached herewith a scanned copy of the D.O. Letter written by Shri Shashi Shekhar, Joint Secretary, Ministry of New & Renewable Energy to the Director regarding institution of Renewable Energy Chair in your Institution. It is proposed that a meeting with a Secretary, MNRE be arranged in due course, wherein Institution is expected to give its vision of utilising the Renewable Energy Chair, after which the process for sanctioning the Chair in your Institution will be undertaken. The date of the meeting will be conveyed shortly. In the meantime Institution may like to go through the MOU and take necessary action at its end so that the same can be signed after receiving approval from Competent Authority.

>  
 > With regards,

>  
 > Dr. Pradeep Chandra Pant  
 > scientist 'E'/Director  
 > Solar Energy Centre  
 > Ministry of New and Renewable Energy  
 > Government of India  
 > Block 14, CGO Complex  
 > Lodi Road, New Delhi 110 003  
 > India  
 > Phone: 91-11-24365496(O) 91-124-2579214 (at SEC)  
 > 91-120-/4127145/2880132(R) 91-9891721533 (Mobile)  
 > Fax: 91-11-24360331, 91-124-2579207 (at SEC)  
 >  
 >  
 >

DCFEP  
 Pl. Sec.  
 11/2/11  
 DIRECTOR

Dr. Pradeep Chandra Pant  
 scientist 'E'/Director

Head AHEC

Pl. advice

P. Kumar

7.2.11


कुलशासक वित्त एवं योजना  
 Dean Finance & Planning

14 MAY 2011

Solar Energy Centre  
Ministry of New and Renewable Energy  
Government of India  
Block 14, CGO Complex  
Lodi Road, New Delhi 110 003  
India  
Phone: 91-11-24365496(O) 91-124-2579214 (at SEC)  
91-120-/4127145/2880132(R) 91-9891721533 (Mobile)  
Fax: 91-11-24360331, 91-124-2579207 (at SEC)

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14 MAY 2011

2/4/2011



## MEMORANDUM OF UNDERSTANDING

I A MOU has been reached this \_\_\_\_\_ day of \_\_\_\_\_ two thousand eleven between the Ministry of New & Renewable Energy, GOI (hereinafter referred to as MNRE) and Indian Institute of Technology Roorkee, (hereinafter referred to as the IITR) with respect to creating a Renewable Energy Chair in the Alternate Hydro Energy Centre of the Institute.

It is clarified that all the terms & conditions contained in MNRE's publication "Guidelines for Support to Renewable Energy Chair shall apply to the Renewable Energy Chair to be instituted by the university/institute.

This MOU is over and above the terms and conditions mentioned above and deal mainly with delineating the responsibilities of MNRE, the IITR, the fulfillment of which is essential for achieving the objectives of the Renewable Energy Chair.

### **II The objectives of the Renewable Energy Chair.**

1. To provide a platform to top quality higher education experts in renewable energy field of India or of Indian origin desirous of working at the forefront of Renewable Energy related sciences, engineering, technology, legal framework, IPR issues and other policy related aspects with a focus on thrust areas identified by the Ministry in its R&D Policy to act as focal point for renewable energy education in the institutions.
2. To develop a community of educationist with diverse backgrounds, united by intellectual curiosity, and drive to develop and undertake renewable energy course and research on important challenges facing the country today in all round development of Renewable Energy utilization in the country.
3. To find solutions, through scientific research, to the practical problems of Renewable Energy and their application in field, leading to visible improvement in the energy security of the country.
4. To utilize and expand the resources available in the universities and other educational institutions of the country, to address complex energy security aspects of the country with focus on new and renewable energy applications.
5. To motivate, enthuse and nurture students and scientists with potential and proven talents to work in emerging fields of Renewable Energy.
6. To conceptualize and implement new teaching methods in the area of renewable energy including organizing short-term training programmes for various target groups as a measure of outreach of the institution.

### **III Responsibilities of MNRE**

1. To provide one-time grant-in-aid support of Rs. 1.5 crore only to the institutions/ University.

  
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- 7
2. To issue the sanction order and release the one-time grant-in-aid earmarked.
  3. To help, assist and support the university/institute and the Renewable Energy Chair in every way to ensure that the objectives of the National Renewable Energy Chair are achieved.
  4. To organize a National Convention of Renewable Energy Chair Professors annually to sensitize them about National and International priorities as also to review the work being done by them.

#### **IV Responsibilities of the IITR**

1. To create a separate corpus Fund from the grant-in-aid received from the Ministry, the returns on investment of which, along with their internally generated resources, should enable the IITR to meet the remuneration and other expenses of the Chair.
2. To select the Renewable Energy Chair Professor through an open advertisement and following the procedure for appointment of Professor. In the selection committee, however one member will be from the Ministry.
3. To provide adequate and suitable office space and support staff, if any, in the premises of the Institute, required laboratory facilities, access to the library, other publications and computerized data base of the Institution relevant to the activities to the Chair Professor to carry out the research and teaching work.
4. While it is not mandatory, the university/institute may, if so desired by the Chair Professor, assist him/her in the work and evaluate/assess the progress of the project as per mutually agreed terms.
5. To help, assist and support the Renewable Energy Chair in every way to ensure that the objectives of the Renewable Energy Chair are achieved.

#### **V Responsibilities of the Renewable Energy Chair Professor**

1. To give a commitment to work at IITR for the full tenure of the Chair and submit a Bond in this regard to the IITR. The tenure of an individual to act at Renewable Energy Chair Professor will be maximum three years, initially.
2. To abide by the Rules/Regulations of the IITR, as well as the terms & conditions of the Renewable Energy Chair programme of the Ministry; this agreement and other relevant documents referred to in this MOU.
3. To act as focal point for Renewable Energy education in IITR and also to liaise with nearby institutions to undertake courses related to Renewable Energy sincerely, with dedication and to the best of his/her abilities.
4. To develop course material, teaching methodology etc. for new courses/specializations in the Renewable Energy education.

  
14 MAY 2011

5. To create a database of students undergone courses on Renewable Energy.
6. To develop new Research projects in identified thrust areas of Renewable Energy and generate resources for that.

#### VI Other Terms & Conditions

1. The entire grant amount of Rs. 1.5 crore may be released in one installment. The Institute will create a corpus fund from this grant and will submit periodic report about utilization of the proceeds of the corpus fund in meeting the expenses related to Renewable Energy Chair.
2. Due caution would be exercised – both by the Institute and the Renewable Energy Chair Professor in dissemination/publication of any information/ data/ findings of a sensitive/classified nature, emanating out of the research work. Responsibility of ensuring discretion and secrecy of data/findings in such cases, will rest entirely with the Renewable Energy Chair and the IITR.
3. MNRE reserves the right to add, delete or modify from time to time, any part of this MOU. However, the decision to add, delete or modify the provisions of the MOU shall invariably be approved by the Competent Authority of MNRE.
4. On all aspects, where this MOU is silent, or for special cases of deviation from the provisions of this MOU or the Renewable Energy Chair, the decision of MNRE shall be final.

The above MOU has been entered into and signed on behalf of MNRE and the IITR on the day, month and year first above written.

(S.C.Saxena)  
Director

Joint Secretary  
Government of India, MNRE

Witness :

1

1

2.

2

  
14 MAY 2011

## MEMORANDUM OF UNDERSTANDING

BETWEEN

INDIA INSTITUTE OF TECHNOLOGY ROORKEE

AND

LINKÖPING UNIVERSITY (LIU), SWEDEN.

Agreement for establishing scholarly exchange and co-operation between India Institute of Technology Roorkee, India and LINKÖPING UNIVERSITY (LIU), SWEDEN.

### Preamble:

With the objective of promoting co-operation in academic education and research between Indian Institute of Technology Roorkee and Linköping University the following agreement is established.

### ARTICLE 1 Areas of co-operation

The co-operation may concern any field or subject upon which the parties agree. It will include various activities such as:

Collaborative research, lectures and symposia, exchange of scholars and researchers, exchange of graduate students, exchange of undergraduate students, exchange of information and materials in fields which are of interest to both parties.

### ARTICLE 2 Implementation

Implementation of exchange or other kinds of co-operation based on this agreement shall be the concern of the relevant faculties or departments on a case-by-case basis. A specific plan shall be worked out for each joint activity. This plan shall ensure that appropriate arrangements for studying, working, and for living and maintenance expenses are made before the arrival of a faculty member or a student to the host university.

LIU and IITR declares that the agreed activities will be carried out according to their national laws and the specific ordinances in the field of higher education and research. That means that LIU provides education for both sexes by teachers from both sexes in respect of ruling international conventions concerning the equality between men and women and human rights.

### ARTICLE 3 Financing of co-operation

Both universities shall seek financing of joint activities from sources available to them. Both universities understand that all financial arrangements are to be negotiated and will depend on the availability of funds.

Copy to: Meeting Section

Sunil Kumar

-47- 15/3/11

अधीक्षक/Deputy Superintendent  
कुलशासक (वि. एवं नियोजन) कार्यालय  
Dean (F&T) Office



14 MAY 2011

#### ARTICLE 4 Duration and renewal of agreement

This agreement becomes effective upon the dates of signatures.

This agreement shall take effect during the academic year 2010/2011 and be valid for an initial period of five years. During the fourth year renewal will be considered.

#### ARTICLE 5 Revision, termination and language of agreement

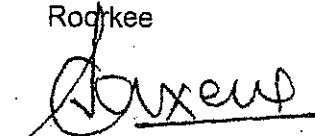
This agreement is subject to revisions, renewal and/or cancellations by mutual written consent and either university may, by notice in writing of no less than six months, terminate this agreement.

This agreement is written in English, in two originals, both of equal validity.

#### ARTICLE 6 Intellectual Property

IITR and LiU agree to respect each other's rights to intellectual property. Further, the intellectual property rights that arises as a result of any collaborative research or activity under this MoU will be worked out on a case-to-case basis, and will be consistent with officially laid down IPR policies of the two institutions.

Signed for  
Indian Institute of Technology  
Roorkee

  
Prof. S.C. Saxena  
Director

डा. एस. सी. सक्सेना/Dr. S. C. Saxena  
निदेशक/Director  
भारतीय प्रौद्योगिकी संस्थान रुड़की  
Indian Institute of Technology Roorkee  
रुड़की/Roorkee-247 667

Witness:

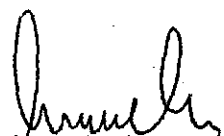
P. Kumar,

Prof. Pradeep Kumar  
Dean, Finance & Planning

Date: 28.9.10

Prof. Pradeep Kumar  
Dean, Finance & Planning  
Indian Institute of Technology Roorkee  
Roorkee - 247 667

Signed for  
Linköping University, Sweden

  
Mats Arwidson  
Deputy University Director

Witness:





Linköpings universitet  
INSTITUTE OF TECHNOLOGY



14 MAY 2011

(9)

Registrar's Office  
 IIT Roorkee  
 Dy. No. 985-Dt. 7/3/11  
 Signature: Shree

**FINANCE & ACCOUNTS OFFICE  
 INDIAN INSTITUTE OF TECHNOLOGY  
 ROORKEE-247 667**

**Subject: - Fixation of Hotel Charges abroad in respect of Group 'A' staff  
 (Faculty/Scientist/Officers) who go abroad on duty.**

As per Govt. of India Rules the Hotel Accommodation Charges are Rs. 5000/- per day in India from 1.9.2008 for Group 'A' staff whose grade pay is Rs. 10,000 and above. However no rates have been mentioned regarding hotel accommodation abroad.

This issue has been discussed in the 183<sup>rd</sup> meeting of Deans' Committee held on 26.11.2010 and the Committee resolved as follows:

“ US Dollars 150 per day which is the average amount that is charged by Three Stars Hotels abroad be recommended as the limit for stay charges, for approval, since the amount admissible within the country (Rs. 5000/- per day) is insufficient to cover Hotel Charges abroad.”

The Chairman, B.O.G. requested to approve the above resolution of Deans' Committee.

*The proposal as at 'A' is approved.*

*S. Ashok Bhatnagar*  
 29.01.2011

(S.C. Saxena)  
 Director

*Chairman, B.O.G.*

Sri Ashok Bhatnagar  
 (Former Chairman, Railway Board &  
 Principal Secretary to the Govt. of India)  
 SF 117, Hauz Khas Apartments,  
 Aurobindo Marg,  
 New Delhi-110 016

U.O. No. IITR/F&A/001

Dt. 25<sup>th</sup> Jan., 2011

*D.D. / DOFA / DCF&A / Registrar*

*-49- FNA please.*

*MS*

*14 MAY 2011*



प्रो० एस०सी० सक्सेना

निदेशक

Prof. S. C. SAXENA

Director

Registrar's Office

IIT Roorkee

Regd. No. 910 Dt. 25/3/11

Signature: *[Signature]*

भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की-247 667, उत्तराखण्ड, भारत

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE-247 667, UTTARAKHAND, INDIA

TEL : +911332-272742, 285500 (O), 272342, 285400 (R)

FAX : +911332-273560, 285815 (O), 285300 (R)

e-mail : director@iitr.ernet.in, saxenasuresh@yahoo.co.in

No.DIR/IITR/57

21<sup>st</sup> March, 2011

Hon'ble Shri Bhatnagar Sahib,

The first phase of construction work in the Greater Noida Extension Centre (GNEC) of IIT Roorkee has been completed recently. The buildings constructed in the first phase are sufficient to start the academic and other allied activities of IIT Roorkee GNC. Till now teams of faculty members under two coordinators namely, Coordinator of Infrastructure Development and Coordinator of Academic Activities are working to take care of different activities of this Centre.

Now, there is a need to appoint a Dean (GNEC) to take care of the Centre and to start the academic and allied activities at the Centre. The overall development of GNEC has been planned in three phases. The Dean (GNEC) will be overall incharge of the Centre and responsible for planning, coordination and running of the Centre with the support of IIT Roorkee faculty and staff and by drawing experts from National Capital Region (NCR) and from other organizations and industry. It is therefore, requested that approval may please be accorded to appoint a Dean (Greater Noida Extension Centre) w.e.f. 15<sup>th</sup> April 2011 and the same will be reported in the next meeting of the BOG of IIT Roorkee. This is submitted for kind consideration and approval please.

With deep personal regards,

Yours sincerely,

*[Signature]*  
(S.C. Saxena)  
Director, IIT Roorkee

The proposal as at 'A' is approved.

*[Signature]*  
22.03.2011

Chairman

Chairman  
BOG, IIT Roorkee

Hon'ble Shri Ashok Bhatnagar  
Chairman, BOG IIT Roorkee  
(Retd. Chairman, Railway Board,  
Principal Secretary to GoI)  
Res. 117, SFS Apartments,  
Aurobindo Marg, Hauz Khas  
New Delhi - 110 016

Ms

*[Signature]*  
27/3/11

To be reported in BOG

*[Signature]*

21/3/11 4 MAY 2011

## Annexure 'I'

7  
INDIAN INSTITUTE OF TECHNOLOGY  
ROORKEE

**Subject:** Permission for filling-up the posts of Chief Medical Officer, Medical Officer (Regular) and Medical Officer (on contract).

The issue of specialization for the posts of Medical Officers was discussed along with the Deputy Director and Dean of Faculty Affairs under the Chairmanship of the Director for advertising the posts of Chief Medical Officer (Regular), Medical Officer (Regular) and Medical Officer (on contract). The following specialization were recommended for these posts:

Sl. No.	Name of the post	Nos. of the post	Place which required at	Specialization
1.	Chief Medical Officer (Regular)	01	IIT Roorkee Campus	Open to any specialization
2.	Medical Officer (Regular)	03	02 Nos. for Roorkee Campus	(i) Gynaecology (ii) Medicine (Physician)
			01 Saharanpur Campus	(iii) Surgery (General) (Not more than one in any one of the above specialization).
3.	Medical Officer (On contract)	02	Roorkee Campus	(i) Medicine (Physician) (ii) Pediatrician

The qualifications for the posts of Chief Medical Officer will be as approved by the BoG vide Resolution No. BG/58/2002 in its meeting held on 29.6.2002 (**Annexure-I**). However the qualification for the posts of Medical Officer (Regular) are proposed to be the same as were approved for Medical Officer (on contract) by the BoG vide Resolution NO. BG.88/2003 in its meeting held on 11.10.2003 (**Annexure-II**).

The posts of Chief Medical Officer and Medical Officer (Regular) will be filled in the revised pay structure as per the 6<sup>th</sup> CPC decisions corresponding to their respective pre-revised pay scales. Emoluments for the Medical Officer (on contract) will be as applicable at the Institute from time to time.

**'X'** In view of the above, the Chairman, Board of Governors, Indian Institute of Technology Roorkee, is requested to kindly permit filling up the posts of Chief Medical Officer, Medical Officer (Regular) and Medical Officer (on contract) in the IIT Roorkee Campus and Saharanpur Campus with the above mentioned qualifications.

The approval so accorded will be reported to the Board of Governors in its next meeting.

*The proposal as at 'A' above is approved.*

Yours sincerely,  
*(S.C. Saxena)*  
Director

*(Saxena)*

31.08.2010  
Chairman  
BoG, IIT Roorkee

B.O.G.

Shri Ashok Bhatnagar Ji,  
Chairman, Board of Governors, IIT Roorkee,  
(Retired Chairman, Railway Board  
Principal Secretary to GoI)  
Res. 117 Hauz Khas Apartments, DDA(SFS),  
Aurobindo Marg  
New Delhi-110 016

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Annex - I

**RESOLUTION No. BG/57/2002:** RESOLVED THAT the revision of range of emoluments for 'Y' Pool Contract workers and Institute charges for printing, drafting, tracing etc. for the purpose of Consultancy and Research Projects as given in APPENDIX 'V' be approved, to be made applicable w.e.f. 01.04.2002.

**Item No.2.4.5:** To consider the qualifications for filling certain essential posts and Grouping of Posts for the purpose of reservation

The Director briefed the Board about the proposal. After some deliberation and making some additions, deletions/ corrections in the qualifications, the Board approved the same.

**RESOLUTION No. BG/58/2002:** RESOLVED THAT the qualifications for filling certain essential posts and Grouping of Posts for the purpose of reservation as given in APPENDIX 'W' be approved.

**Item No. 2.4.6** To consider the issue of allowing the benefit of time scale to the staff appointed in various Research Schemes/ Projects

The Board was of the view that such cases should be routed through the Finance Committee.

**RESOLUTION No. BG/59/2002:** RESOLVED THAT the issue of allowing the benefit of time scale to the staff appointed in various Research Schemes/ Projects be routed through the Finance Committee.

**Item No. 2.4.7:** To consider the panel of Board's Nominees for Selection Committees for faculty and other non-teaching Group 'A' positions

The Board authorised to Chairman, BOG to approve the panels.

**RESOLUTION No. BG/60/2002:** RESOLVED THAT Chairman Board of Governors be authorised to finalise and approve the panels of the Board's Nominees for Selection Committees for faculty and other non-teaching Group 'A' positions.

The Board further RESOLVED that any member of the Board may suggest additional names.

29.06.2002

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14 MAY 2011

Qualifications to be advertised for certain essential Academic/Non-Academic posts

1. **Chief Medical Officer**  
Pay Scale: Rs.12000-375-18000  
Minimum Qualification/Experience: M.D./M.S. in an appropriate branch of Medicine plus at least 11 years experience in a recognised hospital of which at least 05 years must be at the level of Sr. Medical Officer.
2. **Deputy Registrar (Administration)**  
Pay Scale - Rs.12000-420-18300  
Minimum Qualification/Experience:
  - (a) A Postgraduate Degree with at least 55% marks or its equivalent grade
  - (b) 08 years Experience as a Lecturer in a College or an University with experience in Educational AdministrationOR  
Comparable experience in research Establishment and other Institutions of higher education  
OR  
08 years Administrative experience as Assistant Registrar or in a post carrying a scale of pay of Rs. 8000-13500.  
Desirable:
  - (a) An MBA or equivalent
  - (b) Knowledge/experience of Computer Systems for information processing and retrieval will be advantageous and given weightage for selection
  - (c) Experience of working in a residential Institution.
  - (d) Knowledge of Rules and Regulations of educational Institutions/Universities.
3. **Deputy Registrar (Accounts/Audit)**  
Pay Scale - Rs.12000-420-18300.  
Minimum Qualification/Experience:
  - (a) A Postgraduate Degree with at least 55% marks or its equivalent grade.
  - (b) A minimum of 08 years of relevant experience in Accounts in a Govt. Department or University / Educational or Research Institution or in a Commercial Organization of national standing, in the scale of Rs.8000-13500 or above. Candidates should have a sound knowledge of Central Government Rules relating to Accounts/Audit, Service Conditions, Treasury and Financial Rules.Desirable:
  - (a) Teaching and research experience or experience of life on a residential Educational Institute.
  - (b) Preference will be given to a candidate having good working knowledge in accounts and finance of a recognized University/ Educational Institution well conversant with Budget, Accounts Rules, Regulations relating to expenditure and cost of production of articles manufactured in workshop.
  - (c) Knowledge/experience of Computer Systems for information processing and retrieval will be advantageous and will also be given weightage for selection.
  - (d) Associate of Chartered Accountancy.

placed before the Board of Governors. After discussion, the Board approved the recommendations of the Finance Committee.

**RESOLUTION NO. BG/87/2003: RESOLVED THAT** the Demonstration Farm alongwith the equipment be relocated near the Department of Hydrology. Further, the Board suggested that instead of going in for a permanent farm outside the Campus on leased land, the WRDTC may collaborate with other Agricultural Institutions such as the Pusa Institutes, the Pant Nagar Agricultural University and the Agriculture College at Meerut for organising practical work for the students.

~~Item No.7.4.15~~ To consider the essential qualification for filling up the posts of Medical Officers.

**RESOLUTION NO. BG/88/2003: RESOLVED THAT** the essential qualification for filling up the posts of Medical Officers as recommended by the Hospital Advisory Committee be approved as under:

**1. Medical Officer (Physician)**

Minimum Qualification/Experience:

MD (Medicine) from a University, recognized by Medical Council of India (MCI)

**2. Medical Officers (on Contract)**

Specializations:

- |                               |                                  |
|-------------------------------|----------------------------------|
| (a) Physician (Medicine)      | : 02 Nos. (1 for DPT Saharanpur) |
| (b) Gynaecologist             | : 01 No.                         |
| (c) Surgeon (General Surgery) | : 01 No.                         |
| (d) Paediatrician             | : 01 No.                         |

Essential Qualifications:

MD/MS from a university, recognized by Medical Council of India (MCI), in the appropriate branch of medicine.

OR

PG Diploma from a university, recognized by Medical Council of India (MCI), in the appropriate branch of medicine + at least 2 years of experience in a recognized Hospital.

**NOTE:-** Candidates having Post Graduate degrees will be preferred over those having Post Graduate Diplomas.

3 Mar 11 12:39

Registrar's Office  
IIT Roorkee  
923 01 614111  
Signature: *[Signature]*

Director's Office  
IIT Roorkee  
206  
11/4/11

No.10/14/2010-P&C  
Government of India  
Ministry of New & Renewable Energy  
HRD Division

Signature: *[Signature]*

Block No.14, C.G.O. Complex,  
Lodi Road, New Delhi - 110003  
Dated : 25.03.2011

To,

The Pay and Accounts Officer  
Ministry of New and Renewable Energy  
New Delhi

Sub: Award of Renewable Energy Chair under HRD Scheme of the Ministry  
Sir,

I am directed to convey the sanction of president to award a Renewable Energy Chair to Indian Institute of Technology, Roorkee in accordance with the provisions of Administrative Approval of HRD Programme of this Ministry notified vide no. 10/19/2007-P&C dated 11.10.2010 and to release a one-time grant-in-aid of Rs. 1,50,00,000/- (Rs. One crore fifty lakh only) to IIT, Roorkee for this purpose. An MOU has been signed between MNRE & IIT, Roorkee for this purpose.

2 The terms and conditions of institution of Renewable energy Chair are as follows:-

A Objectives of institution of Renewable Energy Chair

The broad objectives of institution of Renewable Energy Chair are as follows:-

- i) To provide a platform to top quality higher education experts in renewable energy field of India or of Indian origin desirous of working at the forefront of Renewable Energy related sciences, engineering, technology, legal framework, IPR issues and other policy related aspects with a focus on thrust areas identified by the Ministry in its R&D Policy to act as focal point for renewable energy education in the institutions.
- ii) To develop a community of academicians with diverse backgrounds, united by intellectual curiosity and drive to develop and undertake renewable energy education and research on important challenges facing the country today in all round development of renewable energy utilization in the country
- iii) To find solutions, through scientific research, to the practical problems of Renewable Energy and their application in field, leading to visible improvement in the energy security of the country.

Director

-55-

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May like to see

MAY 2011

- iv) To utilize and expand the resources available in the universities and other educational institutions of the country, to address complex energy security aspects of the country with focus on new and renewable energy applications.
- v) To motivate, enthuse and nurture students and scientists with potential and proven talents to work in emerging fields of Renewable Energy.
- vi) To conceptualize and implement new teaching methods in the area of renewable energy including organizing short-term training programmes for various target groups as a measure of outreach of the institution.

#### B. Responsibilities of IIT, Roorkee

The responsibility of IIT, Roorkee will be but not limited to

- i) Create a separate corpus fund from the grant-in-aid received from the Ministry, the returns on investment of which, alongwith their internally generated resources, should enable IIT, Roorkee to meet the remuneration and other expenses of the Chair.
- ii) Select the Renewable Energy Chair Professor through an open advertisement and following the procedure for appointment of Professor and to evolve the selection procedure in such a way that only persons of eminence are getting the Renewable energy Chair and to ensure that one member of the selection committee will be from the MNRE.
- iii) Provide adequate and suitable office space and support staff, if any, in the premises of the Institute, required laboratory facilities, access to the library, other publications and computerized data base of the Institution relevant to the activities of the Chair Professor to carry out the research and teaching work.
- iv) While it is not mandatory, IIT, Roorkee may, if so desired by the Chair Professor, assist him/her in the work and evaluate/assess the progress of the project as per mutually agreed terms.
- v) Help assist and support the Renewable Energy Chair in every way to ensure that the objectives of the Renewable Energy Chair are achieved.
- vi) Constitute a monitoring committee with a representative of the MNRE to monitor the work being done by the Chair.

#### C Responsibilities of Renewable Energy Chair Professor

- i. To give a commitment to work at IIT, Roorkee for the full tenure of the Chair and submit a Bond in this regard to IIT, Roorkee. The tenure of an individual to act as Renewable Energy Chair Professor will be maximum three years.
- ii. To abide by the Rules/Regulations of IIT, Roorkee, as well as the terms & conditions of the Renewable Energy Chair program ~~56~~ of the Ministry.

11 MAY 2011

- iii. To act as focal point for Renewable Energy education in the institution and also to liaise with nearby institution to undertake courses related to Renewable Energy sincerely, with dedication and to the best of his/her abilities.
- iv. To develop/facilitate in the development of course material, teaching methodology etc. for new courses/specializations in the Renewable Energy education.
- v. To create a database of students undergone courses on Renewable Energy.
- vi. To develop new Research projects in identified thrust areas of Renewable Energy and generate resources for that.

#### D Other Terms & Conditions

- i. The entire grant amount of Rs. 1.5 crore is being released by this Ministry in one installment alongwith this sanction. IIT, Roorkee will create a corpus fund from this grant and will submit periodic report about utilization of the proceeds of the corpus fund in meeting the expenses related to Renewable Energy Chair.
  - ii. Due caution would be exercised – both by IIT, Roorkee and the Renewable Energy Chair Professor in dissemination/publication of any information/data/findings of a sensitive/classified nature, emanating out of the research work. Responsibility of ensuring discretion and secrecy of data/findings in such cases will rest entirely with the Renewable Energy Chair and the university/institute.
  - iii. MNRE reserves the right to add, delete or modify from time to time, any part of this sanction and the MOU, already signed between MNRE and IIT, Roorkee for this purpose. However, the decision to add, delete or modify the provisions of the sanction/MOU shall invariably be approved by the Competent Authority of MNRE.
  - iv. On all aspects, where this sanction/MOU is silent, or for special cases of deviation from the provisions of this sanction/MOU or the Renewable Energy Chair, the decision of MNRE shall be final.
3. The amount of Rs. 1,50,00,000/- (Rs. One crore fifty lakhs only) will be drawn by the DDO, MNRE from the P&AO, MNRE and disbursed to Registrar, Indian Institute of Technology, Roorkee, Roorkee-247667, Uttarakhand by ECS. The details are as under;

a.	Account Name:	RTGS Funds, IIT, Roorkee-247667
b.	Account No.:	4044000100001149
c.	Bank Name & Address:	Punjab National Bank, IIT, Roorkee-247667
d.	IFSC Code:	PUNB0404400
e.	Branch Code:	4044

  
14 MAY 2011

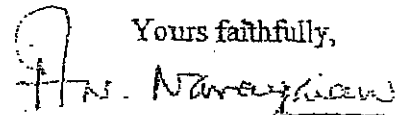
4. The expenditure involved is debitable to Demand No. 67, 2810- New and Renewable Energy 00-105- Supporting Programmes, 05- Human Resource Development & Training, 31- Grants-in-aid for the year 2010-11(Plan) by valid re-appropriation of funds. IIT, Roorkee comes under Category A.

5. IIT, Roorkee will be submitting the Utilization Certificate for Rs. 1,50,00,000/- (Rs. One crore fifty lakhs only) before 30.09.2011 regarding creation of a corpus fund as mentioned above.

6. This issues under the delegated powers of the Ministry and with the concurrence of IFD vide their sanction no. IFD/2463/10-11 dated 14.03.2011.

7. The sanction has been recorded at SI. No. 15 page no. 11 of the Grants Register.

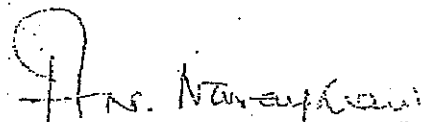
Yours faithfully,

  
(A.N. Narayanan)

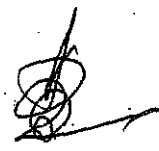
Under Secretary to Government of India

Copy to:

- i) PS to Minister, MNRE
- ii) PSO to Secretary, MNRE
- iii) PA to AS & FA
- iv) Director, IIT, Roorkee
- v) Prof. Pradeep Kumar, Dean, Finance & Planning, IIT, Roorkee, Roorkee-247667, Uttarakhand
- vi) Registrar, IIT, Roorkee, Roorkee-247667, Uttarakhand
- vii) Director of Audit, (CW&M), DACR Building, IP Estate, New Delhi-110002
- viii) JS(SS)/Adv(NPS)/Adv(BB)/Adv(SM)/Adv(ARS)
- ix) Dir(PS)/Dir(BB)/Dir(AK)/Dir(F)/Dir(PCP)
- x) US(Fin)/US(Solar)
- xi) DDO, MNRE - 2 copies
- xii) Sanction Folder

  
(A.N. Narayanan)

Under Secretary to Government of India



14 MAY 2011