

वित्त समिति  
की बारहवीं बैठक का कार्यवृत्त  
**MINUTES OF THE 12<sup>TH</sup> MEETING OF THE  
FINANCE COMMITTEE**

**30<sup>TH</sup> JULY 2005**



भारतीय प्रौद्योगिकी संस्थान रुड़की  
रुड़की - 247 667 (भारत)

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE  
ROORKEE - 247 667 (INDIA)**

# INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

## ROORKEE 247 667



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



**Minutes of the 12<sup>th</sup> Meeting of the Finance Committee held on 30<sup>th</sup> July 2005 at 12.00 Noon in the Hotel Vasant Continental, New Delhi.**

The following were present:

- |    |  |                 |
|----|--|-----------------|
| 1. | Sri Jai Prakash Gaur   | Chairman        |
| 2. | Prof. Prem Vrat, Director  | Member          |
| 3. | Prof. P.K.Jain, IIT Delhi  | Member          |
| 4. | Prof. H.K.Verma, IIT Roorkee   | Member          |
| 5. | Prof. S.P.Gupta, Professor-In-Charge Planning  | Special Invitee |
| 6. | Sri Prem Kumar, Under Secretary, MHRD<br>[Representing Joint Secretary (Tech), MHRD] | Special Invitee |
| 7. | Lt. Col. (Retd) A.K.Srivastava, Registrar  | Secretary       |

Communication regarding inability to attend the meeting was received from Prof. Ravi Bhushan, Professor-in-Charge Finance.

At the outset, the Director, Prof. Prem Vrat gave a brief introduction of Sri Jai Prakash Gaur, who was chairing the Meeting of the Finance Committee for the first time, and welcomed him as Chairman, Board of Governors of IIT Roorkee. All the members joined the Director in welcoming Sri Jai Prakash Gaur.

Before taking up the agenda, Sri Jai Prakash Gaur, Chairman, Board Of Governors stated that he felt privileged to be nominated by the Hon'ble President of India as Chairman, Board of Governors of this great Institute, which was also his alma-mater, and hoped that with the cooperation of all, the Institute would attain greater heights by bench marking itself with the best Institutes in the world. The Chairman then welcomed the members to the 12<sup>th</sup> Meeting of the Finance Committee, specially Mr. S.K. Ray, IAS, Financial Advisor (IFD), Department of Secondary and Higher Education, MHRD, New Delhi who was attending the meeting of the Finance Committee for the first time.

The agenda was then taken up.

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**Item No. 12.1: To confirm the minutes of the 11<sup>th</sup> Meeting of the Finance Committee held on 16<sup>th</sup> March 2005.**

The minutes of the 11<sup>th</sup> meeting of the Finance Committee, held on 16<sup>th</sup> March 2005 were confirmed as circulated.

**Item No. 12.2: Report of the actions taken on the minutes of the 11<sup>th</sup> Meeting of the Finance Committee held on 16<sup>th</sup> March 2005.**

The position of action taken on the matters as reported, was noted.

**Item No.12.3: Presentation by Professor-in-Charge (Planning) on the utilization and proposed expenditure of non-plan and plan funds, showing the details of projects in hand, projects in the pipe line, equipment procured and to be procured with the capital outlay involved in each case.**

Prof. S.P. Gupta, Professor-in-Charge Planning, made a brief presentation before the Finance Committee on the Plan and Non-Plan Budget: 2005-2006. After the presentation, the Finance Committee observed that the information for the year 2004-05 should have been presented in the same style as given in the Balance Sheet for the year 2004-05. The same was noted for future compliance.

**Item No. 12.4: To consider the matter related to revision of pay scales for the post of Programmer/ System Manager in respect of Dr. Jia Lal, Ex- System Manager, UOR.**

The Finance Committee was of the opinion that the case has merit, and that the request of Dr. Jia Lal, former Programmer/System Manager in the University of Roorkee's Computer Centre, for granting him the pay-scales of a Lecturer/Reader, made vide his letters dated 10<sup>th</sup> June 2002 and 7<sup>th</sup> March 2005 (**Appendix 'A'**), should be accepted, and the said pay-scales given to him with effect from the respective dates on which the University Grants Commission had notified the staffing pattern and scales of pay for Computer Centres in the Universities. For the period during which the U.P. Government had not revised the System Manager's pay scale, the relevant revised pay scale be ascertained from

  
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the IV Pay Commission's documents. Accordingly, Dr. Jia Lal's pay may be fixed as given at **Appendix 'B'**.

**Item No.12.5: To select works staff at Saharanpur Campus on deputation from CPWD/PWD.**

The Finance Committee accepted the proposal to obtain the services one Assistant Executive Engineer (Civil) and one Junior Engineer (Electrical) for the Saharanpur Campus, on deputation from the CPWD/other Central Government Engineering Organizations, initially for the period of one year.

**Item No. 12.6: To consider the extension of the pay scale of Rs. 5500-9000 to the Assistants/Sr. Stenographers/ Technical Assistants/Assistants (Personal).**

Discussed and decided that the Ministry of Human Resource Development may be approached again with a request to allow the scale of Rs.5500-9000 to the Assistants/Sr. Stenographers/ Technical Assistants/Assistants (Personal) of IIT Roorkee in view of the fact that the same have not been withdrawn from the other IITs.

**Item No. 12.7: Extension of the pay scales of Rs. 3200-4900 and 4500-7000 to the LDCs and UDCs, respectively.**

Discussed and decided that the Ministry of Human Resource Development may be approached again with a request to allow the scale of Rs.3200-4900 and Rs.4500-7000 to the LDCs and UDCs, respectively of the IIT Roorkee in view of the fact that the same have not been withdrawn from the other IITs.

**Item No. 12.8: To Provide for Nursing Allowance to the Nursing Staff and Patient Care Allowance to the Group 'C' & 'D' Non Ministerial staff of the Institute Hospital.**

The Finance Committee recommended that Nursing Allowance @ Rs. 300/- p.m., be granted to the Nursing Staff of the Institute Hospital. This will come into force with immediate effect.

  
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**Item No. 12.9: To consider the proposal of Institute Librarian for filling up of existing vacancies of Group 'B' and 'D' in the Central Library.**

The proposal of Institute Librarian for filling up of the existing vacancies of Group 'B' and 'D' in the Central Library is accepted. Arising out of discussions, it was emphasised that action should be taken well in advance to fill up those posts which are going to fall vacant in the Institute in the near future.

**Item No. 12.10: To consider according Administrative Approval and Expenditure Sanction to the Preliminary Estimate for providing a Sub-station, DG Set and Lifts in the New Library Building amounting to Rs.80.00 lakhs as recommended by the Building & Works Committee.**

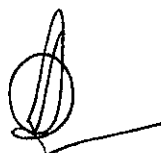
The Finance Committee recommended that the Preliminary estimate amounting to Rs.80.00 lakhs as recommended by the Building & Works Committee for providing a Sub-station, DG Set and Lifts in the New Library Building as given at **Appendix 'C'** be approved.

**Item No. 12.11: To consider according Administrative Approval and Expenditure Sanction to the Preliminary Estimate of Rs. 50.00 lakhs for Furniture and Furnishings of the Main Guest House as recommended by the Building & Works Committee.**

The Finance Committee recommended that an amount of Rs.50.00 lakhs against the Preliminary Estimate of Rs.85.51 lakhs as given at **Appendix 'D'** and as recommended by the Building & Works Committee for furniture and furnishings of the Main Guest House be approved.

**Item No. 12.12: To consider according Administrative Approval and Expenditure Sanction to the Preliminary Estimate of Rs.835.66 lakhs submitted by the CPWD for the construction of a New Boys' Hostel of 400 Seats capacity as recommended by the B&WC.**

The Finance Committee recommended that the Preliminary estimate amounting to Rs.835.66 lakhs as recommended by the Building & Works Committee for the construction of a New Boy's Hostel of 400 Seats



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capacity as per the estimate given at **Appendix 'E'** be approved.

**Item No. 12.13: To consider according administrative approval and expenditure sanction to the Preliminary Estimate of Rs. 835.66 lakhs submitted by CPWD for the construction of a New Girls' Hostel of 400 Seats as recommended by the B&WC.**

The Finance Committee recommended that the Preliminary Estimate amounting to Rs.835.66 lakhs as recommended by the Building & Works Committee for the construction of a New Girl's Hostel of 400 Seats capacity as per the estimate given at **Appendix 'E'** be approved.

**Item No. 12.14: To report status of auditing of annual accounts.**

The Finance Committee decided that the Secretary, Department of Secondary and Higher Education, MHRD, New Delhi may be requested to send a letter to Deputy CAG to expedite the issuance of the pending Audit Certificates for the financial years 2001-2002, 2002-2003 and 2003-2004 by the Accountant General (Uttranchal).

**Item No. 12.15: To report about the amount received from Uttranchal Government with respect to GPF.**


Noted.

**Item No. 12.16: To report about the annual accounts/ balance sheet for the year 2003-04.**

Noted.

**Item No. 12.17: To consider the balance sheet for the year 2004-05**

The Finance Committee considered the contents of the Balance Sheet, and approved the same for being audited by the CAG (**Appendix 'F'**).

  
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**Item No.12.18: To consider the issue regarding liability of the Institute to give benefits of EPF Act 1952 to Daily wages/Contract (Y Pool) workers of the Institute.**

The Finance Committee recommended that the Institute should discharge its liability towards EPF and ESI of Y-pool workers, as per the EPF Act 1952.

**Item No. 12.19: To consider the budget proposal of Rs. 60.00 lakhs for the purpose of second priority item for the Central NMR facility.**

The Finance Committee accepted the budget proposal of Rs. 60.00 lakhs for the purpose of second priority items for the Central NMR facility as under:

Sl. No.	Associated Equipment	Qty.	Price in Rupees
1.	Gel electrophoresis workstation	1	19,10,301.00
2.	Spectrofluorimeter	1	25,00,000.00
3.	Lyophilizer (freeze dryer) with vacuum concentrator	1	9,06,369.50
4.	PCs	4	1,40,000.00
5.	Minor equipment		2,00,000.00
Total Rs.			56,56,678.00
Transportation, 5% custom duty, Fluctuation in foreign exchange rate etc.			3,43,322.00
Grant Total Rs.			60,00,000.00

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



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## Appendix 'A'

From: Dr. Jia Lal  
C-1559, Vasant Kunj  
New Delhi - 110070  
011-26121135

To: Prof. Prem Vrat  
Director,  
Indian Institute of Technology, Roorkee  
ROORKEE - 247667, Uttaranchal

Subject: Release of Arrears due to Revision of Pay Scales from time to time and correct Fixation of Pension Regarding.

Respected Sir,

I wish to state that I have served the University of Roorkee (now IIT Roorkee) in various capacities, namely Programmer and System Manager in RURCC / NCF (Institute Computer Centre) from March 1982 to March 2000. From the post of System Manager, I took voluntary retirement on March 31, 2000

Further, the pay scales of above two posts have been revised from time to time and these pay scales have also been accepted by me. I wish to bring it to your knowledge that neither my pay-fixation has been done in revised pay scale nor I have been paid any arrears on account of pay revisions. In this regard, I have written a letter to your good self, giving all details with relevant enclosures (Xerox copy is enclosed herewith for ready reference please). As is evident from these documents, my case is very old and requires your immediate kind attention. I humbly request you to kindly do the needful in this regard. I will be highly obliged.

Thanking you with Regards,

Yours Sincerely




(Dr. Jia Lal)

System Manager (Retd.)  
University Computer Centre  
(now Institute Computer Centre)

Date: March 7, 2005

✓ Copy to: Prof. A.K. Awasthi,  
Dean of Faculty Affairs  
Indian Institute of Technology Roorkee, Roorkee - 247667  
With a request to please look into this case and do the needful at the earliest.



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From : Dr. Jia Lal  
C-1559, Vasant Kunj  
New Delhi - 110 070  
011-6121135

June 10, 2002

To : Prof. Prem Vrat  
Director,  
Indian Institute of Technology, Roorkee  
Roorkee - 247 667, Uttaranchal

**Subject : Release of arrears due to Revision of Pay Scales from time to time and correct fixation of Pension regarding.**

Respected Sir,

I wish to state that I have served the University of Roorkee (now IIT Roorkee) in different capacities from March 1982 to march 2000. The details are given below.

1. Joined UOR as Programmer in RURCC (Computer Centre) on March 3, 1982 (Pay Scale : Rs. 700-1300)
2. Joined UOR as System Manager in RURCC (Computer Centre) October ,1989 (Pay Scale : Rs. 1100-1600). On this post, I served till my voluntary retirement on March 31, 2000.

Above two scales of Pay have been revised by the University on August 3, 1995 w.e.f. 1.1.1986 as per details given below (O.M. No. DP COMP/103/803 dated Aug. 3, 1995, xerox copy enclosed).

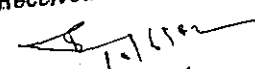
System Manager	:	Rs. 3700-5700
Programmer	:	Rs. 3000-5000

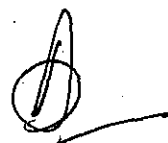
These scales have also been accepted by me ( No. Nil dated Aug. 4, 1995, xerox copy enclosed).

The University of Roorkee (now IIT Roorkee) revised the above scales of pay w.e.f. 1.1.1986 on the basis of <sup>5th</sup> Pay Commission.

I wish to bring it to your kind knowledge that neither my pay-fixation has been done in revised pay-scales nor I have been paid any arrears on account of pay revisions. Naturally, this has adversely affected my Pension [ correctly & logically Pension Payment order issued by the Registrar (No. Pension Cell / 229/P-2001 dated October 15, 2001, xerox copy enclosed) uses the word Provisional in the letter]. In view of the above, I am incurring heavy financial loss.

Contd..

*Received*  
  
Bamesh Kumar Jr Asstt.  
Director's Office  
I.I.T., Roorkee  
Roorkee 247 667

  
10 SEP 2005

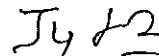
I request you to get the following issues resolved :

- (i) Arrears of Service as Programmer for the period from 1.1.1986 to September 1989 in the revised scale Rs. 3000-5000.
- (ii) Arrears of service as System manager for the period from October 1989 to Dec. 31, 1995 in the revised Pay scale Rs. 3700-5700 and also for the period from 1.1.1996 to 31.3.2000 in the revised scale of System Manager (as per the Fifth Pay Commission).
- (iii) Correct computation of Pension on the basis of revised pay scale and accordingly its fixation, and release of arrears due to me.

As is evident from the above, my case is very old and needs immediate attention. I humbly request you to kindly do the needful in this regard. I will be highly obliged.

Thanking you and with Regards,

Yours Sincerely




(Dr. Jia Lal)  
System Manager (Rtd.)  
Univ. Computer Centre  
(now Institute Computer Centre)



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## Appendix 'B'

	<u>Designation</u>	<u>Period</u>	<u>Pay-scale</u>	<u>Remarks</u>
(a)	Programmer	03.03.1982- 24.10.1989	Rs. 700-40-100- 50-1300/ Rs. 2200-75- 2800-EB-100- 4000	Lecturer's grade effective from 1.1.1973/1.1.1986 as specified by the UGC for Programmers.
(b)	System Manager	25.10.1989- 29.01.1990	Rs.3000-100- 3500-125-4500	Replacement pay scale for the System Manager's pay scale of Rs.1100-40-1300- 50-1600, as per the IV Pay Commission's Report, effective from 1.1.1986.
(c)	System Manager	30.1.1990- 31.3.2000	Rs. 3700-125- 4590-150-5700/ Rs. 12000-420- 18300.	Reader's grade effective from 1.1.1986/1.1.1996, notified on 30.1.1990 by the UGC, for System Managers, etc.

  
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भारत सरकार  
GOVERNMENT OF INDIA

मुख्य अभियंता (वैद्युत) (उ०क्षे०)  
केन्द्रीय लोक निर्माण विभाग  
पूर्वी खण्ड-I, तल-V,  
आर०के०पुरम्, नई दिल्ली-66.

CHIEF ENGINEER (ELECT.) (NR)  
CENTRAL PUBLIC WORKS DEPARTMENT  
EAST BLOCK-I, LEVEL-V,  
R.K.PURAM, NEW DELHI-66.

प्रारम्भिक प्राक्कलन  
PRELIMINARY ESTIMATE

कार्य का नाम

NAME OF WORK: Providing Sub-Station, D.G.Sets and Lift in New  
Library Building at IIT, Roorkee.

अनुमानित लागत:

Rs. 1,19,00,000/-

ESTIMATED COST:

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Govt. of India  
Central Public Works Department

State: UTTARANCHAL  
Divn. DCED, Dehradun.

Branch: E. & M.  
Circle: LCEC, CPWD, Lucknow.

Name of Work:- Providing Sub-Station, D.G.Sets and Lift in New Library Building at IIT, Roorkee.

Head of Account:- Deposit Work

Preliminary Estimate framed by Sh.V.K.Mittal, Superintending Engineer (El.), Lucknow Central Electrical Circle, CPWD, Lucknow for the probable cost of Rs.1,19,00,000/= including contingencies.

**REPORT**

History:- For construction of New Library Building at IIT Roorkee, there is administrative approval of Rs.12.00 Lac where in following provisions for electrical works have been kept.

(i)	Internal Electrical Installation	Rs. 92.50 Lac
(ii)	Air Conditioning	Rs.300.00 Lac
(iii)	Fire Alarm System	Rs. 13.50 Lac
(iv)	Fire Fighting System	Rs. 13.00 Lac
(v)	Street Light & Compound Light	Rs. 1.50 Lac

Total	Rs.420.50 Lac
Add contingencies 3%	Rs. 12.62 Lac
Total	Rs.433.12 Lac

The detailed estimate have been prepared by consultant M/s C.P.Kukreja & Associates. The likely completion cost of above services work out as under:-

(i)	Internal Electrical Installation	Rs.107.50 Lac
(ii)	Air Conditioning	Rs.275.00 Lac
(iii)	Fire Alarm & Fire Fighting	Rs. 40.00 Lac
(iv)	External Street Light	Rs. 5.00 Lac

Total Rs. 427.00 Lac

Besides above services, following services are also essentially required for completion of the above building.

- (i) Sub-Station.
- (ii) D.G.Set
- (iii) 4 Nos. Passenger Lifts.

It is not possible to provide above services out of the sanctioned estimate provisions.

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The Institute Engineer, IIT Roorkee vide his No.E&W/1011/AEE(E) dated 10-1-2005 has desired preparation of separate estimate for above services so that approval of Building and Works committee is obtained.

Design & Scope: The library building is centrally air-conditioned and two screw type chilling units of 250 TR each are being proposed. Taking into account, light load and that of AHUs, pumps, cooling tower etc. and the starting current of chilling units, 2 Nos. Transformers of 630 KVA are required for library building.

The Institute Engineer, IIT, Roorkee vide No. Const./280/AEE(E), dated 20-2-2004 has desired to feed MBA building from library sub-station and suggested to increase the capacity of transformers from 2 x 630 KVA to 2 x 800 KVA. Accordingly it is proposed to install 2 Nos. Transformers of 800 KVA each. The Transformers are proposed to be dry type which are safe from fire safety angle and maintenance free.

IIT is proposing to interlink all the sub-stations through H.T.Cable network and ring main units for flexibility and reliability. As per the scheme prepared by IIT and received vide their letter dated 20-2-2004, it is proposed to provide 5 Panel H.T.Board at MBA sub-station. Normally 3 Panel H.T.Board would have been adequate. However to meet IIT's proposed requirement, it is proposed to provide 5 Panel HT Board in the library sub-station. The H.T.Panel will consist of Vacuum Circuit Breaker (VCB) which is latest in technology and widely used in such application. The fault level of 350 MVA has been selected. Relays will be provided for protection. Provision of metering and indication shall be kept in H.T.Panel.

For essential supply, DG Set is being proposed. Provision of L.T.Panel for non essential & essential load has been kept in the estimate. Adequate feeders will be provided for library building and MBA building. Spare feeders will be provided for extending to other loads and for maintenance also.

Provision of internal cable/bus duct inside the sub-station and L.T.Cable to library building has been kept. Provision of earthing & safety equipment has also been kept in the estimate.

In the event of normal supply failure, it is proposed to provide DG Set. The entire light, fans, computers, lift, water supply pump etc. are proposed to be connected on D.G.Set. Central air conditioning high side equipment are not proposed on D.G.Set. However AHU blowers are proposed to be connected on D.G.Set. Taking into account above load, the capacity of DG Set is proposed to be 250 KVA. The DG Set shall be AMF type and complete with acoustic enclosure etc.

Contd.....



In architectural drawings of Library Building prepared by the consultant M/s C.P.Kukreja & Associates, New Delhi, 4 Nos.lifts are proposed. It is proposed to provide 4 Nos. passenger lifts. The library will be used not only by students, but also old and sick persons. In addition the lifts will be used taking the books from one floor to other floor which will be required on daily basis.

**Following provisions have been kept in this estimate.**

- ✓(i) 5 Panel H.T.Board (As per scheme of IIT vide letter dated 20-2-2004)
- ✓(ii) 2 x 800 KVA Transformer (As per requirement of IIT vide letter dated 20-2-2004)
- ✓(iii) L.T.Panel for essential and non essential load .
- ✓(iv) Interconnecting cable between H.T.Panel, Transformer & L.T.Panel.
- (v) Outgoing cable to library building only.
- (vi) Earthing & safety equipment.
- (vii) 4 Nos. lifts.

**Following provisions have not been kept in this estimate.**

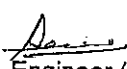
- (i) Building for sub-station (The building is being constructed out of the existing sanction for library building.)
- (ii) H.T.Cable up to sub-station (This will be extended by IIT from their sub-station as per their scheme)
- (iii) Outgoing feeders to building other than library.  
(Spare feeders will be provided, cable as per requirement will be extended by IIT)

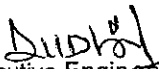
**Method:-** The work will be done on contract.


**Cost:-** Rs. 1,19,00,000/=

**Time:-** 6 months.

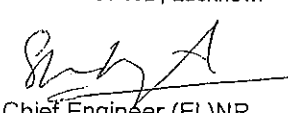
**Rate:-** Current Market Rate

  
Asstt. Engineer (El.) PI.  
Lucknow Cent. Elect. Circle,  
CPWD, Lucknow.

  
Executive Engineer (El.) PI.  
Lucknow Cent. Elect. Circle,  
CPWD, Lucknow.

  
Superintending Engineer (E.)  
Lucknow Cent. Elect. Circle,  
CPWD, Lucknow.


  
Superintending Engineer (El.) PI.  
O/ the Chief Engineer (El.) NR  
CPWD, New Delhi.

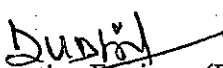
  
Chief Engineer (El.) NR  
CPWD, New Delhi.

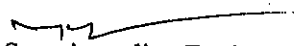
### ABSTRACT OF COST


Name of work :- Providing Sub-Station, D.G.Sets and Lift in New Library Building at IIT, Roorkee.

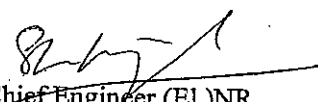
S.No.	Sub Head	Amount
1-	Sub Head- 'A' (Sub-Station) :	6600000.00
2-	Sub Head- 'B' (DG Set) :	1600000.00
3-	Sub Head- 'C' (Lift.) :	3200000.00
	<b>TOTAL</b>	<u>11400000.00</u>
	<b>Add contingencies @5%</b>	
	<b>Subject to a maximum of Rs.500000/-</b>	<u>500000.00</u>
	<b>TOTAL</b>	<u>11900000.00</u>

  
Assistant Engineer (El.)Pl.  
Lucknow Cent.Elect.Circle.,  
CPWD, Lucknow.

  
Executive Engineer (El.)Pl.  
Lucknow Cent.Elect.Circle.,  
CPWD, Lucknow.

  
Superintending Engineer (El.)  
Lucknow Cent.Elect.Circle.,  
CPWD, Lucknow.

  
Superintending Engineer (El.)Pl.  
O/o Chief Engineer (El.)NR,  
CPWD, New Delhi.

  
Chief Engineer (El.)NR,  
CPWD, New Delhi.

  
10 SEP 2005

## SCHEDULE OF WORK

Name of work :- Providing Sub-Station, D.G.Sets and Lift in New Library Building at IIT, Roorkee.

S.No.	Description of item	Qty.	Rate	Unit	Amount
<b><u>SUB HEAD 'A' : SUB-STATION</u></b>					
1-	S/I/T/C 5 Panel H.T.Board 350 MVA with VCB and relays etc.	1 Job.	2000000.00	Job	2000000.00
2-	S/I/T/C 800 KVA Dry Type Transformers 11 KV/ 433 Volts.	2 Nos.	1100000.00	Each	2200000.00
3-	S/I/T/C L.T.Panel for essential & non-essential panel.	1 Job.	1200000.00	Job	1200000.00
4-	S/I/T/C Capacitor Panel for Power Factor Improvement.	2 Nos.	225000.00	Each	450000.00
5-	L.T.Bus Trunking between Transformer & LT Panel	L.S.	350000.00	L.S.	350000.00
6-	HT & LT Cable between HT Panel, Transformer & from L.T.Panel to various load inside the Library Building.	L.S.	300000.00	L.S.	300000.00
7-	Earthing & Safety Equipment.	L.S.	100000.00	L.S.	100000.00
<b>TOTAL OF SUB HEAD-'A'</b>					<b>6600000.00</b>
<b><u>SUB HEAD 'B' : D.G.SET</u></b>					
1-	S/I/T/C 250 KVA DG Set with acoustic enclosure, AMF Panel etc.as required.	1 Job.	1600000.00	Job	1600000.00
<b>TOTAL OF SUB HEAD-'B'</b>					<b>1600000.00</b>
<b><u>SUB HEAD 'C' : LIFT</u></b>					
1-	S/I/T/C Passenger Lift suitable for ground & 3 uppor floors.	4 Nos.	800000.00	Each	3200000.00
<b>TOTAL OF SUB HEAD-'B'</b>					<b>3200000.00</b>

Asstt. Engineer (E) P-II  
O/o Chief Engineer (E) NZ  
C.E. & P.D. East Block-I,  
Level-V, R. K. Puram,  
New Delhi-110056

Superintendent Engineer (E)  
O/o Chief Engineer (E) NZ,  
CP W.D. East Block-I Level-V  
R. K. Puram, New Delhi-66.

10 SEP 2005

भारत सरकार  
केन्द्रीय लोक निर्माण विभाग  
कार्यालय- मुख्य अभियन्ता (3030-2)  
केन्द्रीय भवन, तृतीय मंजिल,  
सेक्टर 'एच', अलीगंज, लखनऊ

Director's Office  
Ministry of Technology  
By. No. 25 Date 27/12/04  
Signature

पत्रांक: 23(306)/3030अभि0(यो0)/पी0-2/

दिनांक: 27/12/2004

150/3-16

सेवा में,  
निदेशक,  
भारतीय प्रौद्योगिकी संस्थान,  
रुड़की

विषय: भारतीय प्रौद्योगिकी संस्थान, रुड़की में लाइब्रेरी भवन का निर्माण कार्य।

महोदय,

उपरोक्त कार्य के लिये संस्थान ने 1200 लाख रु० की स्वीकृति दी है जिसमें वैद्युत कार्यों के लिये 433 लाख रुपये का प्रावधान रखा गया है। कार्य के प्रारम्भिक अनुमान की प्रतिलिपि संलग्न है। प्रारम्भिक अनुमान में लिफ्ट, सब-स्टेशन एवं डीजी सेट का प्रावधान नहीं है। संस्थान के कार्य एवं सम्पदा समिति की बैठक में यह निर्णय लिया गया था कि लिफ्ट, सब-स्टेशन एवं डीजी सेट जिनका लगाया जाना अपेक्षित है, को कार्य में बचत को चार्ज करके लगा दिया जाय। के०लो०नि०वि० 'सम्पदा एवं कार्य समिति' की बैठक में लिये गये निर्णय के अनुसार कार्यवाही कर रहा है।

लाइब्रेरी भवन को पूरी तरह से फंक्शनल करने के लिये सभी प्रावधानों का कसबा करना स्वीकृति के अन्तर्गत किया जाना प्रतीत नहीं हो रहा है और लिफ्ट 2 नं०(8 लाख रुपये प्रत्येक की दर से) सब-स्टेशन एवं डीजी सेट के कारण वैद्युत कार्यों में लगभग 80 लाख रु० की कमी पड़ रही है। भारत सरकार के लेखा नियमों के अनुसार यद्यपि अतिरिक्त राशि कार्य की स्वीकृत राशि के 10 प्रतिशत के अन्तर्गत है फिर भी यह आपके संज्ञान में लाया जाना उचित समझा गया। हम प्रयत्न करेंगे कि यदि कार्य पर किसी अन्य उपशीर्ष में से कहीं कुछ बचत होगी तो उसका समावेश वैद्युत कार्यों में कर लिया जाएगा अन्यथा इस कार्य में 80 लाख रुपये स्वीकृति से अधिक लगाने पड़ेंगे। यदि संस्थान यह चाहता है कि स्वीकृत धनराशि 1200 लाख रुपये के अन्तर्गत ही सब कुछ किया जाय तो इस स्थिति में सब-स्टेशन उपकरण एवं लिफ्ट का लगाया जाना, जो पहले से ही प्रावकलन में सम्मिलित नहीं है, संभव नहीं होगा। अनुरोध है कि इस बारे में संस्थान हमें अपना निर्णय दे दे।

भवदीय,

(एस०पी० सिंह)  
मुख्य अभियन्ता  
-----2/-

डीन प्रशासन / संस्था अभियन्ता  
रुपमा अभियन्ता कार्यालय/रुड़की  
दे

AREE(E)  
Pl. discuss

डीन प्रशासन  
DIRECTOR



Appendix 'D'

भारत सरकार  
GOVERNMENT OF INDIA

मुख्य अभियन्ता (उ०अं०-॥)  
केंद्रीय लोक निर्माण विभाग  
अलीगंज, लखनऊ- 226 024

CHIEF ENGINEER (NZ-II)  
CENTRAL PUBLIC WORKS DEPARTMENT  
ALIGANJ, LUCKNOW- 226 024

प्रारंभिक प्राक्कलन  
PRELIMINARY ESTIMATE

कार्य का नाम :


NAME OF WORKS: Construction of Main Guest House at IIT,  
Roorkee (SI: Furniture & Furnishing)

अनुमानित लागत

ESTIMATED COST

Rs. 85,51,000.00

Total Rs. 85,51,000.00

  
10 SEP 2003

Uttarakhand Public Works Department  
CENTRAL PUBLIC WORKS DEPARTMENT

State: Uttarakhand

Division: Roorkee Central Division

Branch: S&E

Name of Work: C/o Main Guest House at IIT, Roorkee (SH: Furniture & Furnishing)

Funds :

Major Head :

Minor Head : Deposit

Detailed Head :

Estimate framed by Er. V.K. Asol, Executive Engineer, Roorkee Central Division, CPWD, Roorkee and further processed by Er. Manu Amitabh, Executive Engineer(P-II), NZ-II, CPWD, Lucknow for the probable cost of Rs. 85,51,000.00 i/c 5 % contingencies

**REPORT**

**History:** This draft preliminary estimate amounting to Rs. 85,51,000.00 i/c 5% contingencies has been framed to cover the probable cost of the above mentioned work, for obtaining A/A & E/S of the competent authority. Requisition for submission of the estimate has already been received from IIT, Roorkee vide their letter No. E&W/267/I.E. dated 15-04-2005

**Design and Scope:** The main Guest House comprises of three double storey block having following category of rooms:

1. Twin room suites comprising of a guest room & a bed room -9 nos.
2. Twin room VIP suite comprising of Big Guest Room & bed room- 2Nos.
3. Single room suite comprising of One bed room -16 Nos.
4. Dining Hall - 1 No.
5. Common Room -1 No.
6. Meeting room -1 No.
7. Entrance Lounge - wide Area in two parts near reception.
8. Billiard Room - 1 No.
9. Reception Room - 1 No.
10. Driver Dormitory - 1 No.
11. Gymnasium - 1 No.

**Room Category wise provisions kept in this estimate are as below:**

1- Twin Room Suites - 9 Nos.:

It comprises of a Guest Room, a bed room and a toilet.

A) Guest Room:

- |                                    |   |        |
|------------------------------------|---|--------|
| a) Provision of two seated sofa    | - | 2 Nos. |
| b) Provision of single seated sofa | - | 2 Nos. |
| c) Provision of Centre Table       | - | 1 No.  |
| d) Provision of side table / stool | - | 4 Nos. |
| e) Break fast table with chairs    | - | 1 set  |
| f) T.V. Cabinet                    | - | 1 No.  |
| g) Television                      | - | 1 No.  |

Contd. .. P-2

  
10 SEP 2005

- a) A Double bed with mattress of size 6'-6"x6'-5"x4" of coir foam and Pillows (Two Nos) for Double bed in poly fibre. Provision of a quilt (Full Size) and a Rajaai (Full size) has also been taken.
- b) Side tables on each side of Double bed.
- c) A Study table with study chair.
- d) A luggage table
- e) A centre table
- f) Single seated sofa/easy chair -- 2 Nos
- g) Ward Robe - 1 No
- h) T.V. Cabinet -- 1 No
- i) Prints/Paintings on walls above beds and other seating areas -- 4 Nos per suite.
- j) Flower vase -- 2 Nos
- k) Jute Rugs -- 2 Nos
- l) Hangers -- 1 dozen
- m) Table lamp -- 2 Nos
- n) Television -- 1 No

**2) Twin Room V.I.P. Suite -- 2 Nos:**

All provision as shown in Twin Room suite. In addition a dining table for four person shall be provided in Guest Room, as the size of Guest Room is very big compared to other Guest Rooms.

**3) Single Suite -- 16 Nos**

It comprises of a bed room with attached toilets.

- a) Provision of Double bed with coir foam mattress and two pillows, one quilt (full size) and a Rajaai (full size)
- b) Side tables on each side of Double bed.
- c) A study table with study chair.
- d) A luggage table.
- e) A ward robe
- f) Single seated sofa/easy chair -- 1 No
- g) T.V. Cabinet- 1 No
- h) T.V- 1 No
- i) Lamp - 1 No
- j) Small centre table circular -1 No

**4) Dining Hall:**

- a) Dining Table for four person - 12 Nos
- b) Dining chairs - 48 Nos
- c) Service table with mirror - 2 No
- d) " " without mirror - 1 No
- e) Both side usable service table - 1 No
- f) Paneling on circular column - 5 Nos
- g) Divider in front of Toilet . - 1 No
- h) Two seated sofa - 8 Nos
- i) Planter - around circular column -

Contd...P-3

5) Common Room:

- a) T.V. Cabinet - 1 No
- b) T.V. - 1 No
- c) Two seated sofa - 8 Nos
- d) Side stool/table [2 stools per sofa] - 16 Nos
- e) Centre table - 4 Nos
- f) Corner - 2 Nos

6) Meeting Room

- a) A conference table of size 10'x12½' for 14 person - 1 No
- b) Chairs - 14 No
- c) Wooden flooring - in all the area
- d) Wall paneling with cedar wood.
- e) Planter

7) Entrance lounge

- a) Curved sofas with Centre tables, planter etc.-
- b) Two seated sofa - 4 Nos
- c) Centre Table - 2 Nos
- d) Corner/side table - 5 Nos

8) Reception

- a) Reception table - 1 No
- b) Reception chair - 2 Nos
- c) Office Table - 1 No
- d) Key Holder - 27 Nos

9) Driver Dormitory

- a) Tubular Sunk Bed Single (Three levels) with Mattress - 3 sets
- b) Bed side tables - 2 Nos
- c) Metallic ward robe with one mirrored shutter-3 Nos
- d) Meeting table - 1 Nos
- e) Meeting chair in metal - 4 Nos
- f) Curtain/Blinds

General:

- a) Provision of planters at places taken.
- b) Rugs in wood at the entrance area.
- c) Sculpture at the entrance lobby - 1 No
- d) Painting large canvas - 6 Nos
- e) Prints medium size (framed) - 10 Nos
- f) Flower vases for dining table - 14 Nos
- g) Bed sheets, Quilt, Rajai, Pillow covers for bed room- 2 sets per suite.
- h) Towels per suite - 2 Nos.

Contd...P-4



specifications: The work shall be carried out as per CPWD specifications 1986 Vol I to Vol VI with up to date correction slips and direction and prior approval of Engineer-in-charge

Cost: Rs. 85,51,000/- i/c 5% contingencies.

Rates: Based on Market rate.

Time: Three Months after award of work.

Method: By Contract, after call of tender.

Land: Available.

T & P: No special T&P is required, shall be arranged by the contractor at his own cost.

W.C. Estt. Will be met out of contingency.

*[Signature]*  
10/06/05  
AE(P)  
CPWD, Lucknow

*[Signature]* 13/06/05  
EE(P)-II  
CPWD, Lucknow

SE(P)  
CPWD, Lucknow

## ABSTRACT OF COST

Name of work:- C/o Main Guest House at I.I.T., Roorkee.  
(S.H.: Furniture & furnishing.)

S.No	Sub-Head	Amount
1	As per Schedule (Vide Page 1-10)	4644000.00
2	Double Room suites (Vide Page 11)	833140.00
3	Single Room suites (Vide Page 12)	750240.00
4	Fabric/Accessories Budget (Vide Page 13)	1015280.00
5	Driver dormitory (Vide Page 14)	171600.00
6	Meeting Room (Vide Page 15)	479000.00
7	Billiard Room (Vide Page 15)	250600.00
		<u>8143860.00</u>
	Add 5% contingencies	<u>407193.00</u>
		<u>8551053.00</u>

Say Rs. 85,51,000.00

(Rs. Eighty Five Lacs Fifty One thousand)

*[Signature]*  
10/06/05  
AE(P)  
CPWD, Lucknow

*[Signature]*  
13/06/05  
EE(P)-II  
CPWD, Lucknow

SE(P)  
CPWD, Lucknow

*[Signature]*  
14/6/05  
Chief Engineer (MZ-II)  
CPWD, Lucknow

*[Signature]*  
10 SEP 2005

Name of work:- C/o Main Guest House at I.I.T., Roorkee.

(S.H.: Furniture & furnishing.)

S. No.	Description of items	Quantity	Unit	Rates	Amount
1	<u>Bed 6'-6"x6'</u> Double bed of size 1950x1800x350mm high made out of 75 x 40mm 1 <sup>st</sup> class T.W. frame work having 19mm thick commercial board having 4mm decorative ply veneering as infill panel. Head board curved in shape at top of size 2700x75x850mm, foot board 1800x75x450mm and 150x25mm teak board on sides and there shall be 12mm thick commercial ply for bed surface. All board shall have teak wood edging and finished with post veneering in required finish polish in linseed oil and polyurethane finish etc. All complete.	11.00 Nos	Each	35000.00	385000.00
2	<u>Bed 6'-6"x6'</u> Double bed of size 1950x1800x350mm high made out of 75 x 40mm 2nd class T.W. frame work having 19mm thick commercial board having 4mm decorative ply veneering as infill panel. Head board curved in shape at top of size 1800x75x850mm, foot board 1800x75x450mm and 150x25mm teak board on sides and there shall be 12mm thick commercial ply for bed surface. All board shall have teak wood edging and finished with post veneering in required finish polish in linseed oil and polyurethane coating finish etc. all complete.	20.00	Each	19000.00	380000.00
3	<u>Bed side Table</u> Bed side table of size 525x400x450mm high having 2nd class TW frame work with one drawer unit using 19mm thick commercial board having 4mm decorative ply veneering and two open shelves covered with shutter matching with the infill panel of the bed including necessary hardware. Polish linseed oil and polyurethane coating finish etc. all complete.	27.00 Nos	Each	3600.00	97200.00
4	<u>Bed side table</u> Bed side table of size 525x400x450mm high having 2nd class teak wood frame work with three drawer units using 19mm thick commercial board having 4mm decorative ply veneering of approved quality and shade. Polish linseed oil and polyurethane coating finish etc. all complete.	32.00	Each	2800.00	89600.00

Contd...P-2



10 SEP 2005

S. No.	Description of items	Quantity	Unit	Rates	Amount
5	<u>Study Table- Size - 4'x2'-0</u> Providing and placing in position the study table consisting of 19mm thick commercial board having 4mm decorative ply veneering on top and sides and 6mm thick one side teak veneer ply on back. The table has 4 drawer units on one side with necessary hardware. There shall be one key board drawer just below the table top and one foot rest, all with 19mm teak board including melamine coating on all veneer surfaces complete in all respects as per details, drawings, specification and direction of Architect/Engineer-in-charge.	12.00 Nos	Each	6200.00	74400.00
6	<u>Study Table- Size - 4'x2'-0"</u> Providing and placing in position the study table consisting of 19mm thick commercial board having 4mm decorative ply veneering on top and sides. The table has 2 drawers units below the table top including melamine coating on all veneer surfaces complete in all respects as per details, drawings, specification and direction of Architect/Engineer-in-charge.	16.00 Nos	Each	5000.00	80000.00
7	<u>Study chair</u> Providing and placing in position wooden study chairs with 1st class teak wood members as legs, seats and back having 30mm thick PU foam cushion seat and 20mm PU foam cushion at back (40 kg/cum density). Including melamine polish and price to include all necessary incidentals required to complete the job as per drawings, specifications and directions of the Architect/Engineer-in-charge. Fabric costing approximate Rs. 350/- per R.M. Chair for TWIN Room Suite.	11.00 Nos	Each	4300.00	47300.00
	Chair for Single Room Suite.	16.00 Nos	Each	4000.00	64000.00
8	<u>Dressing Unit/Wardrobe:</u> Providing and placing in position wardrobe of size 600 mm deep x2100mm high (of required width) consisting of 2nd class teak wood frames having open shelves inside covered with 19mm thick commercial board having 4mm decorative ply veneering shutters. The				

Contd.....3

S. No.	Description of items	Quantity	Unit	Rates	Amount
	price to include all necessary incidentals and hardware including polishing of all wood work/block board with linseed oil on internal and external surfaces of Cabinet to have Melamine coating, complete in every respect as per details, drawings, specification and direction of Architect/Engineer-in-charge.	800.00	Per	400.00	320000.00
	7'x2'x4' - 27 Nos	Sqft	Square Feet		
9	<u>Sofa</u> Providing and placing in position sofas of required size and shape with seat of 19"x90mm 2nd class teak wood framing members (one at front and other at back) fixed to 38x68mm teak wood members of sides, support by means of two middle bottom rails of 25x45mm hard wood members fixed to 2 No upper 40 x 50mm hard wood members, supported by means of 25x25x3mm M.S. angles tied up with high quality steel springs having 65mm thick rubber foam with markin under cover and fabric upholstery, back on 19mm thick moulded ply covered with fabric on top supported by 19x248mm teak wood member fixed to 68x38mm thick rough wood at bottom of the back, covered with fabric on top having tapered 40mm at top to 90mm at botton, rubber foam with markin cloth under cover and fabric upholstery including fabric upholstered buttons arms rested on 48x68 teak wood vertical posts complete in every respect as per instructions of the Architect including necessary screws, glues, nails or any other necessary incidentals required to complete the job as per drawings and specifications (fabric costing approximate Rs. 350/- per R.M.)As per the drawings enclosed, fully upholstered sofa is also required in certain areas. The fully upholstered sofa made on the same lines as above but will have no exposed teak wood members.				
	Single Seater Sofa.	38.00	.Each	5700.00	216600.00
		Nos			
	Two Seater Sofa.	42.00	Each	12650.00	531300.00
		Nos			
	Single-Seater Sofa (Common Drawing Room)	22.00	Each	6500.00	143000.00
		Nos			

Contd....P-4

  
 10 SEP 2005

No.	Description of Items	Quantity	Unit	Rates	Amount
10	Providing and placing in position luggage table made out of 19mm thick commercial board on top and sides. Board finished with 4mm veneer on both sides forming the sides/legs. The table shall have teak wood planks top (2"x3/4") and one shelf on bottom side, made by 19mm commercial board with 4mm veneer. The table to be finished with necessary hardware including polishing of all wood work/veneer surface with linseed oil on internal and external surfaces of table to have Melamine coating, complete in every respect as per details, drawings, specification and directions of Architect/Engineer-in-charge. (a) Of size 3'-2"x2'x2'	27.00 Nos	Each	4200.00	113400.00
11	Providing and placing in position corner/centre tables consisting of 8mm thick float glass top within 2nd class teak framing members and supported on 4 Nos. 2nd class teak wood legs of size 50x50mm with nylon base. There shall be 19mm thick commercial board having 4mm decorative ply veneering with rounded edging at base, including polishing of all wood work and Melamine coating, complete in all respect as per drawings, specifications and directions of Architect/Engineer-in-charge. (a) Size 2'-3"x2'-3"x1'-6"	30.00 Nos	Each	3800.00	114000.00
12	Providing and placing in position T.V. cabinet/TV cum bar cabinets having top and bottom cabinet units and open shelf at middle unit. The top and bottom cabinet units shall consist of 19mm thick commercial board having 4mm decorative ply veneering having glass shutter with necessary hardware including all exposed edges of block board to have second class teak wood edging all along the periphery of sizes as shown on detail drawings. The price to include all necessary incidentals and hardware including polishing of all wood work/block board with linseed oil on internal and external surfaces of cabinet to have Melamine coating, complete in every respect as per details, drawings, specification and directions of Architect/Engineer-in-charge. (a) Size 3'-6"x3'-6"x6'	23.00 Nos	Each	18000.00	414000.00

Contd....P-5

  
10 SEP 2005

S. No.	Description of items	Quantity	Unit	Rates	Amount
13	Same as above but only bottom unit (no middle and top unit) and having wooden shutter in place of glass shutters. (a) 2'-6x2'-0"x2'-6"	17.00 Nos	Each	5500.00	93500.00
14	<u>Dining Hall</u> Providing and placing in position dining table consisting of one side 10 mm thick toughened glass and teak wood edging 30x40mm (Melamine coated) all around the board and resting on 25x65mm teak wood base frames. The table top to be supported on 4 Nos teak wood supported on 4 Nos teak wood legs of size 30x100mm. The work shall include all necessary incidentals required to complete the job as per drawings, specifications and direction of the Architect/Engineer-in-charge.  (a) Table (5'x3')	14.00 Nos	Each	20000.00	280000.00
15	<u>Service table (5'x1'-6"x2'-6")</u> Providing and placing in position service counter consisting of 19mm thick commercial board having 4mm decorative ply veneering top, sides and bottom members. The cabinet shall be 450mm deep x1500 mm wide shall have 4 Nos louvers shutters on front of the cabinet and 4 Nos drawer units with 18mm thick Granite slab top. The price to include all necessary incidentals and hardware (eg. Hinges, 100mm wide handles in M.S.oxidised fittings etc. including polishing of all wood work/block board with linseed oil on internal and external surfaces of cabinet to have Melamine coating, complete as per specification and directions of Architect/ Engineer-in-charge.	2.00 Nos	Each	9500.00	19000.00
16	<u>Both side usable with storage Service table (6'x4') with attached Partition and two false column.</u> Providing and placing in position Service. table consisting of 19mm thick commercial board having 4mm decorative ply veneering top, sides and bottom members. There shall be 2 Nos service table on both sides. Each service table of size 600mm deep x1800mm wide x 900mm high shall have 5 Nos louvered shutters				

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No.	Description of items	Quantity	Unit	Rates	Amount
	with 1.5mm thick laminate pasted on table top. At the middle of the above two service table, there shall be 12mm thick etched and frosted glass within wooden frame work and carved teak wood members at top as per details. There shall be two false columns 300mm dia at both ends of the service table using 19mm thick commercial board, 6mm ply and teak wood strips with grooves as per approved design and pattern with proper safety precautions. The price to include all necessary incidentals and hardwares (eg. Hinges, 100mm wide handles in M.S. oxidised fittings etc. including polishing of all wood work/block board with linseed oil on internal and external surfaces of Cabinet to have Melamine coating complete as per specification and directions of Architect/Engineer-in-charge.	1.00	Each	40000.00	40000.00
		No			
17	<b><u>Wooden chair.</u></b> Providing and placing in position wooden chairs with 1 <sup>st</sup> class teak wood members with carving having legs, seats and back. There shall be 30mm thick PU foam cushion seat and 20mm PU foam cushion at back (40kg/cum density), including melamine polish and price to include all necessary incidentals required to complete the job as per drawings, specifications and directions of the Architect/Engineer-in-charge. Fabric Costing approximate Rs. 350/- per R.M.	80.00	Each	3800.00	304000.00
		Nos			
18	<b><u>Services table with mirror (4'-0"x1'-6"x2'-6")</u></b> Providing and placing in position Service table consisting of 19mm thick commercial board having 4mm decorative ply veneering top, sides and bottom members. The cabinet shall be 2025mm wide x 450mm deep x 1050 mm high shall have 4 Nos drawer units just below the cabinet top and 4 Nos shutters having shelves inside at bottom of the cabinet. The upper part shall have Mirror 1850mm wide x 1050mm high Mirror with teak wood framing members all along the mirror periphery and additional curved and carved work at top with teak wood members. The price to include all necessary incidentals and hardwares (e.g. hinges, 100mm wide handles in M.S. Oxidised fittings etc., including	1.00	Each	24000.00	24000.00
		No			

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No.	Description of items	Quantity	Unit	Rates	Amount
	polishing of all wood work/block board with linseed oil on internal and external surfaces of cabinet to have Melamine coating, complete in specification and directions of Architect/Engineer-in-charge.				
19	<b><u>Panelling on column upto 7' height.</u></b> Panelling on column with commercial ply board with 4mm decorative ply veneering with necessary arrangements to make the round shape with wooden strips etc. and there shall be 3 Nos glass shelves of 12mm thick toughened glass at 3 different levels held by stainless steel brackets, cleats and necessary fittings etc.	5.00 Nos	Each	10900.00	54500.00
20	Providing and placing in position planters 150mm high circular in shape around the decorative circular columns made out of 19mm thick teak veneered B.W.P. ply board having G.I. sheet covering on inner face fixed with head less nails, complete with melamine coating on all exposed edges, complete as per drawings, specification and direction of Architect/Engineer-in charge. Round Planter 3'-4" outer dia x 1'-4" inner dia x 1'-6" height	5.00 Nos	Each	5500.00	27500.00
21	<b><u>Divider (3'-6"x1'x3'x1'-0")</u></b> Providing, construction and placing in position Divider/ Partition in between the seating in the officer's lounge area. The divider is made up of second class teak wood frame as shown in the drawing. The teak wood frame all around has fixed frosted glass (6mm) forming aseacction structure which are fixed by second class teak wood moulding. The Divider has 1'x1' box along the length of the divider which acts as space for planter. The box is veneer finished. The price will include all necessary hardware, aster polishing of all wood work in the inside surface and lacquer polish on the exposed surface complete as per the drawing/ specification and directions of the Interior Designer and Engineer-in-charge.	1.00 Nos	Each	18000.00	18000.00

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S. No.	Description of items	Quantity	Unit	Rates	Amount
22	<p><u>Reception table</u> (10'-4"x2'-3"x3'-6")</p> <p>Providing and placing in position Reception table consisting of 19mm thick commercial board having 4mm decorative ply veneering on top and sides and front face shall have 1.0mm thick decorative metallic laminate with genuine copper surface (Eurolam or equivalent) as per approved design and pattern. The inner face shall have open sheaves and 2 Nos drawer units with shutter storage. The top shall have stainless steel spacers/studs to take 12mm thick toughened glass 250mm wide with matching polished edges.</p>	1.00 No	Each	30000.00	30000.00
23	<p>Revolving chair with PU arms, seat and back providing and supplying of ergonomically designed chairs to keep vertebrae column comfortable for the office. The chairs have five prong base with casters, polyurethane handles 2" PU high density foam in back and fabric of approximate Cost Rs. 350/- per metre.</p>	2.00 Nos	Each	2850.00	5700.00
24	<p>Providing and placing in position planters of overall size 450x300mmx900mm high made out of 19mm thick commercial board having 4mm decorative ply veneering having G.I. sheet covering on inner face fixed with head less nails, complete with melamine coating on all exposed edges, complete as per drawings, specifications and directions of Architect/Engineer-in-charge Planter (1'-6"x1'x3")</p>	4.00 Nos	Each	2200.00	8800.00
25	<p><u>Key Holder:</u> Providing and fixing key holder made out of 19mm thick commercial board used horizontally 6 Nos and vertically 7 Nos and outer surface finished with 4mm teak veneered all exposed edges lipped by good quality of beading. All wood work should be finished by Melamine polish complete as per the direction of Engineer-in-charge. (a) Size 3'-0"x2'-6"x6" deep</p>	27.00 Nos	Each	3000.00	81000.00
26	<p><u>Centre table/Side table.</u> Providing and placing in position corner/centre tables</p>				

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S. No.	Description of items	Quantity	Unit	Rates	Amount
	consisting of 6mm thick float glass top within 2nd class teak framing members and supported on 4 Nos 2nd class teakwood legs of size 50 x 50mm with nylon base. There shall be 19mm thick commercial board having 4mm decorative ply veneering rounded edging at base, including polishing of all wood work and Melamine coating, complete in all respect as per drawings, specifications and directions of Architect/Engineer-in-charge.				
	(a) Centre table (3'-6"x2'-6"x1'-6")	15.00	Each	4700.00	70500.00
		Nos			
	(b) Side table (1'-6"x1'-6"x1'-6")	60.00	Each	3400.00	204000.00
27	<u>Centre Table/Side Table</u> Providing and placing in position corner/center tables consisting of 6mm thick float glass top within 2 <sup>nd</sup> class teak framing members and supported on 4 Nos 2 <sup>nd</sup> class teak wood legs of size 50x50mm with nylon base. There shall be 19mm thick commercial board having 4mm decorative ply veneering with rounded edging at base, including polishing of all wood work and Melamine coating, complete in all respect as per drawings, specifications and directions of Architect/Engineer-in-charge.				
	Side table (2'x2'x1'-6")	2.00	Each	3800.00	7600.00
		Nos			
	Side table (1'-6" dia) x 1'-6"	2.00	Each	4150.00	8300.00
		Nos			
	Side table (2'-3" dia) x 1'-6"	6.00	Each	5300.00	31800.00
		Nos			
28	<u>Waiting Area (Ground Floor): Sofa</u> Providing and placing in position Sofas of required size and shape with seat of 19x90mm 2 <sup>nd</sup> class teak wood framing members (one at front and other at back) fixed to 38x68mm teak wood members of sides, support by means of two middle bottom rails of 25x45mm hard wood members fixed to 2 Nos upper 40x50mm hard wood members, supported by means of 25x25x3mm M.S. angles tied up with high quality steel springs having 65mm thick rubber foam with markin under cover and				

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No.	Description of items	Quantity	Unit	Rates	Amount
	fabric upholstery, back on 19mm thick moulded ply covered with fabric on top, supported by 19x248mm teak wood member fixed to 68x 38mm thick rough wood at bottom of the back, covered with fabric on top having tapered 40mm at top to 90mm at bottom, rubber foam with markin cloth under cover and fabric upholstery including fabric upholstered bottoms arms rested on 48x68mm teak wood vertical posts complete in every respect as per instructions of the Architect/ Engineer-in-charge including necessary screws, glues, nails or any other necessary incidentals required to complete the job as per drawings and specifications (fabric app. cost Rs. 400/- per metre)				
	Softa - 3 Seater curved sofa.	2.00 Nos	Each	18000.00	36000.00
	6 Seater curved sofa.	2.00 Nos	Each	35000.00	70000.00
29	Providing and placing in position office table of size 6'x4' consisting of 19mm thick commercial board having 4mm decorative ply veneering top and sides and 6mm thick one side teak veneer ply on back. The table has four drawer units on one side with necessary hardwares. There shall be one key board drawer just below the table top and one foot rest all with 19mm teak board including melamine coating on all veneer surfaces complete in all respects as per details, drawings specification and direction of Architect/ Engineer-in -charge.	1.00 Nos	Each	10000.00	10000.00
30	<u>Planters</u> Providing and placing in position Planters of overall size 450mmx 450mmx 450mm high made out of 19mm thick commercial board having 4mm decorative ply veneering having G.I. sheet covering on inner face fixed with head less nails, complete with melamine coating on all exposed edges, complete as per drawings, specifications and directions of Architect/Engineer-in-charge.	50.00 Nos	Each	3000.00	150000.00
				<u>Total</u>	<u>4644000.00</u>

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DOUBLE ROOM SUITES (TOTAL 11 NOS)

Accessories for Suites on Ground/First floor.

1	Double bed mattress 6'-6"x6'-3"x4" coir foam	11.00 Nos	Each	7500	82500.00
2	Pillows for Double bed in Poly fibre	22.00 Nos	Each	500	11000.00
3	Prints/Paintings for walls above beds and other seating areas with wood frames and glass (in case of prints)	44.00 Nos	Each	3500	154000.00
4	Flower vase in metal/glass	11.00 Nos	Each	440	4840.00
6	Jute Rugs 6'x4' & 5'x3' size	22.00 Nos	Each	1500	33000.00
7	Hanger for closets (12 per closet)	132.00 Nos	Each	25	3300.00
8	Pillow covers, Bed sheet, quilt (Full size), Rajaai and Towels (Two sets per suite)	22.00 Nos	Per Set	5000	110000.00
9	Decorative mirror	11.00 Nos	Each	4500	49500.00
10	Television	22.00 Nos	Each	15000	330000.00
11	Sofa cum bed	11.00 Nos	Each	5000	55000.00
				<u>Total</u>	<u>833140.00</u>

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**SINGLE ROOM SUITES (TOTAL 16 NOS)**

1	Provision of one no. decorative mirror	16.00 Nos	Each	4500	72000.00
<b>Accessories Budget for Room</b>					
1)	Single Bed mattress 6'x3'-0"x4" (Curlon mattress, coir foam)	32.00 Nos	Each	3900	124800.00
2)	Pillous-Polyfibre filling	32.00 Nos	Each	500	16000.00
3)	Prints for the walls with wooden frame and glass.	48.00 Nos	Each	800	38400.00
4)	Flower Vase in Metal/Glass	16.00 Nos	Each	440	7040.00
5)	Ash tray	16.00 Nos	Each	200	3200.00
6)	Jute/Cotton Dhurrie Rug 5'x3'	16.00 Nos	Each	900	14400.00
7)	Hangers for ward robes	96.00 Nos	Each	25	2400.00
8	Pillow covers, Bed sheet, quilt (Full size), Rajaai and Towels (Two sets per suite)	32.00 Nos	Per Set	5000	160000.00
9	Decorative mirror	16.00 Nos	Each	4500	72000.00
10	Television	16.00 Nos	Each	15000	240000.00
<b>Total</b>					<b>750240.00</b>

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**FABRIC BUDGET FOR ALL CURTAIN ON WINDOWS, FIXED GLAZING AND  
GLAZING DOORS OF TWIN ROOM & SUITES ON BOTH GROUND/FIRST FLOOR**

1	Twin Room suites ( 11 Nos.)	11.00 Nos	Each	25000.00	275000.00
2	Single Room suites (16 Nos)	16.00 Nos	Each	15000	240000.00
3	Dining Hall	1.00	Each	100000.00	100000.00
	Blinds in Public Area	1000.00 Sft.	Sft.	200	200000.00
	Accessories Budget in the Public Area on Ground/First floor Reception, Entrance lobby, waiting areas lounge, Dining Hall, Meeting Room & First floor lobby.				
1)	Rugs in wool, size 6'x4' & 5'x3'	6.00 Nos	Each	10000	60000.00
2)	Sculpture for entrance lobby large	1.00 Nos	Each	40000	40000.00
3)	Paintings large canvas	6.00 Nos	Each	10000	60000.00
4)	Prints medium size (framed)	10.00 Nos	Each	3500	35000.00
5)	Flowers vases for dining table-	12.00 Nos	Each	440	5280.00
<b>Total</b>					<b>1015280.00</b>


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**FURNITURE/ACCESSORIES BUDGET FOR DRIVER'S DOROMITORY ON FIRST FLOOR**

1	Tubular Bunk Bed single (Two levels) Mattress extra	3.00 Nos	Each	26000	78000.00
2)	Curton Mattress, Coir foam - 2" thick	6.00 Nos	Each	1700	10200.00
3)	Bed side Tables, size 1200x450mm	2.00 Nos	Each	6000	12000.00
4)	Metallic ward robe with one mirrored shutters 900x600x2100mm	3.00 Nos	Each	15000	45000.00
5)	Meeting Table - 900mm dia	1.00 Nos	Each	6000	6000.00
6)	Meeting chair in metal 450x450mm	4.00 Nos	Each	2600	10400.00
7)	Curtain/Blinds	L.S., Nos			10000.00
				<b>Total</b>	<b>171600.00</b>

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**MEETING ROOM**

1	Conference table in wood 4mx2m (12'x6') to seat 14 people.	1.00 Nos	Each	62000	62000.00
2)	Conference chair with swivel seat and castors: upholstered in commercial fabric	20.00 Nos	Each	6500	130000.00
3)	Buffet, Storage cabinet with lamminated store top for topfic stationery, cutley, crockery etc.	1.00	Each	44000	44000.00
4)	Pin up board with pelmet for lights.	1.00 Nos	Each	14000	14000.00
5)	Panelling cost	350.00 Sft	Sft	300	105000.00
6)	Blinds	70.00 Sft	Sft	200	14000.00
7)	Wooden flooring.	55.00 Sqm	Sqm	2000	110000.00
				<b>Total</b>	<b>479000.00</b>

**BILLIARD ROOM**

1	One Billiard Table along with all accessories	1.00 No	Each	200000	200000.00
2	Two seated Sofa	4.00 No	Each	12650	50600.00
				<b>Total</b>	<b>250600.00</b>



भारत सरकार  
GOVERNMENT OF INDIA

मुख्य अभियन्ता (उ०अ०-॥)  
केन्द्रीय लोक निर्माण विभाग  
अलीगंज, लखनऊ- 226 024

CHIEF ENGINEER (NZ-II)  
CENTRAL PUBLIC WORKS DEPARTMENT  
ALIGANJ, LUCKNOW- 226 024

प्रारंभिक प्राक्कलन  
PRELIMINARY ESTIMATE

कार्य का नाम :

NAME OF WORKS: Construction of New Boys Hostel of 400 Seats at  
IIT, Roorkee.

अनुमानित लागत

ESTIMATED COST

Rs. 8,35,66,000.00

Total Rs. 8,35,66,000.00

GOVERNMENT OF INDIA  
CENTRAL PUBLIC WORKS DEPARTMENT

State: Uttaranchal

Division:- Roorkee Central Division

Branch: B&R

Name of Work: C/o New Boys Hostel of 400 Seats at IIT, Roorkee.

**Funds :**

Major Head :

Minor Head :

Deposit

Detailed Head :

Estimate framed by Er. V.K. Asol, Executive Engineer, Roorkee Central Division, CPWD, Roorkee and further processed by Er. Manu Amitabh, Executive Engineer(P-II), NZ-II, CPWD, Lucknow for the probable cost of **Rs. 8,35,66,000.00** i/c 3 % contingencies

**REPORT**

**History:** This preliminary estimate amounting to **Rs. 8,35,66,000.00** i/c 3% contingencies has been framed to cover the probable cost of above noted work, for obtaining A/A & E/S of the competent authority. The requisition for the above mentioned work has been received from Institute Engineer, IIT Roorkee vide his letter No. E&W/281/1E dated 01-06-2005.

**Design and Scope:** The preliminary estimate has been prepared based on the plinth area of similar Hostel execute recently at IIT Roorkee. Proposed typical plan/sketch is enclosed.

The proposed Hostel will be four storeyed RCC framed structure (100 Rooms at each floor) Floor height is proposed as 3.2 metre. At each floor level 4 Nos. common toilet unit and 4 Nos. staircases are proposed. Kitchen and dining hall having capacity of dining 200 students at a time is located at ground floor. Filler walls 115 mm thick as per Architectural/Structural requirement shall be provided. This estimate provides for Construction of 400 seated new boys hostel with common toilets & passage etc. These rooms shall be constructed on One side of the corridor for better ventilation.

Building portion including internal and external W/S, Sanitary installation and Electrical Installation along with provision of earthquake resistant design and fire fighting, has been considered. Provision of 60,000 ltr. capacity over head water storage tank on the staircase has been kept. Provision has also been made for one power plug in each room along with copper wiring for all electrical installation in side the building.

**Specifications:-** The work shall be carried out as per CPWD specifications 1996 Vol. I to VI with upto date correction slips shall be followed Detailed specification is given below:

**Foundation :** RCC Raft foundation (M-25 Mix)

**Superstructure :** RCC columns, beams & slabs (M-25 Mix) with 230 mm/115 mm brick wall as per architectural/structure requirements.

**Flooring :** Marble chips Mosaic flooring in all rooms. Ceramic glazed tiles flooring in toilets. Kota stone flooring in corridors & Dining Hall.

**Door & Windows** Block board Flush door shutter with T-iron frame and MS section windows with MS grills.

**Finishing :** All internal, external walls shall be plastered with 12mm/15mm cement plaster. All the internal rooms will be dry distemper and external wall will be painted with water proofing cement paint.

**Rates:-** Plinth area rate 1-1-1992 enhanced by approved CI @ 120% for Roorkee.

**Cost:-** Rs. 8,35,66,000.00 i/c 3% contingencies


**Method:-** By contract after call of tender

**T & P:-** No special T&P is required shall be arranged by the contractor at his own cost.

**Land:-** Available with client in IIT Campus.

**W.C.Estt.:-** Will be met out of contingencies.

**Period:-** 12 Months after call of tender.

  
**Assistant Engineer (P)**  
NZ-II, CPWD, Lucknow

  
**Executive Engineer (P)-II**  
NZ-II, CPWD, Lucknow

**Superintending Engineer(P)**  
NZ-II, CPWD, Lucknow


  
10 SEP 2005

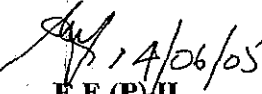
# GENERAL ABSTRACT

Name of Work:- Construction of New Boys Hostel of 400 seats at IIT, Roorkee

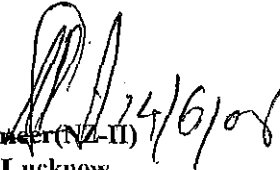
Sl. No.	Description of items	Civil Work	Elect. Work	Total
1	Building Portion	67300200.00	7887889.00	75188089.00
2	Development Work	1652526.00	236434.00	1888960.00
3	Bulk Services	6488691.00	---	6488691.00
Total		75441417.00	8124323.00	83565740.00

Say Rs. 8,35,66,000.00

  
A.E.(P)  
CPWD, Lucknow

  
E.E.(P)/II  
CPWD, Lucknow

S.E.(P)  
CPWD, Lucknow

  
Chief Engineer (NL-II)  
CPWD, Lucknow

**Name of Work:- Construction of New Boys Hostel of 400 seats at IIT, Roorkee**

Sl. No.	Description of Items	Quantity	Rate	Unit	Amount
<b>SH: 1 RCC Framed structure</b>					
1.1	RCC framed structure upto six storeys				
1.1.1	Floor height 2.90 mtrs (hostel)	9000.00 sqm	2740.00	sqm	24660000.00
1.2	Extra for:				
1.2.1	Every 0.3 mtr. additional height of floor above normal floor height of 3.35 mtr. / 2.90 mtr.	9000.00 sqm	125.00	sqm	1125000.00
1.2.2	Extra for resisting earth quake force	9000.00 sqm	250.00	sqm	2250000.00
1.2.3	Fire fighting	9000.00 sqm	185.00	sqm	1665000.00
				<b>Total</b>	<b>29700000.00</b>
<b>SH: 2 Services</b>					
2.1	Internal water supply & sanitary installation (Hostel)	25785000.00 B. cost	10.00%	B. cost	2578500.00
2.2	Internal electric installations (Non Resd. Bldg.)	25785000.00 B. cost	12.5%	B. cost	3223125.00
2.3	Extra for Power wiring and plugs	25785000.00 B. cost	1.00%	B. cost	257850.00
				<b>Total</b>	<b>6059475.00</b>
<b>SH 3 Water Tank (RCC Only)</b>					
3.1	Over head tank without independent staging	60000.00 ltr.	4.75	ltr.	285000.00
				<b>Total</b>	<b>285000.00</b>
<b>SH: 4 Development of Site</b>					
4.1	Levelling	7400.00 sqm	10.95	sqm	81030.00
4.2	Internal Roads & Paths	7400.00 sqm	33.95	sqm	251230.00
4.3	Sewer	7400.00 sqm	24.45	sqm	180930.00
4.4	Storm water drains	7400.00 sqm	29.20	sqm	216080.00
4.5	Street Lighting With fluorescent lamp	7400.00 sqm	14.10	sqm	104340.00
				<b>SH Total</b>	<b>833610.00</b>
				<b>Total</b>	<b>36878085.00</b>
	Add cost index @120.00% on Rs. 36878085/-				44253702.00
				<b>Total</b>	<b>81131787.00</b>
	Add contingencies @ 3%				2433954.00
				<b>G. Total</b>	<b>83565741.00</b>
				<b>Say Rs.</b>	<b>8,35,65,740.00</b>

  
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**Appendix 'F'**  
INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
ROORKEE - 247667

BALANCE SHEET AS AT 31ST MARCH 2005

PARTICULARS	SCH. NO.	CURRENT YEAR		PREVIOUS YEAR	
		AMOUNT (Rs.)	AMOUNT (Rs.)	AMOUNT (Rs.)	AMOUNT (Rs.)
<b><u>SOURCES OF FUNDS</u></b>					
<b><u>CORPUS FUND</u></b>					
a. Capital Fund	1	6,003,218,162.57		5,708,310,607.38	
b. Govt. of India Fund Account	1A	4,837,686.25		12,922,011.70	
c. Univ. Grants Commission Account	1B	2,422,504.20		6,106,598.96	
d. Institute Development Fund	1C	453,984,462.38		149,158,782.24	
e. Other Funds	2	213,373,439.02	6,677,836,254.42	278,273,246.49	6,154,771,246.77
<b>RESERVE &amp; SURPLUS</b>	3		673,304,002.75		596,092,649.46
<b>GPF/ CPF Fund</b>	4A-4C		471,997,103.96		384,619,068.18
<b><u>CURRENT LIABILITIES, PROVISIONS AND DEPOSITS</u></b>					
<b>A. Current Liabilities:</b>					
SECURITY DEPOSITS	5A-5C		10,662,272.32		8,700,771.07
<b>TOTAL [RS.]</b>			<b>7,833,799,633.45</b>		<b>7,144,183,735.48</b>
<b><u>APPLICATION OF FUNDS</u></b>					
<b>FIXED ASSETS</b>	6		5,606,531,604.62		5,229,924,461.95
<b>INVESTMENTS</b>	7A-7D		1,104,077,086.00		621,932,884.00
<b><u>CURRENT ASSETS, LOANS &amp; ADVANCES</u></b>					
<b>A. Current Assets:</b>					
a. Cash & Bank Balances	8A-8B		775,056,654.28		1,096,936,827.23
<b>B. Loans &amp; Advances:</b>					
i). Loans :					
a. Loans out of Auto Revolving Fund (including interest due thereon)	9A	90,663.00		138,090.50	
b. Loans to employees out of GPF	9B	102,232,346.96		89,960,309.96	
c. Loans to employees out of CPF	9C	6,859,028.00	109,182,037.96	6,484,593.00	96,582,993.46
ii). Advances Recoverable in Cash or in Kind :					
a. Advance against Foreign letters of credit issued by banks (pending adjustment)	10		147,207,472.69		31,055,580.00
b. Advances/ Imprests	11		84,535,952.90		60,542,163.84
c. Securities	12		7,208,825.00		7,208,825.00
<b>TOTAL [RS.]</b>			<b>7,833,799,633.45</b>		<b>7,144,183,735.48</b>
<b>SIGNIFICANT ACCOUNTING POLICIES &amp; NOTES TO ACCOUNTS</b>					

*[Signature]*  
25/7/05  
Yudhveer Singh, ACA, ISA



*[Signature]*  
25/7/05  
(G.K. Rastogi)  
Asstt. Registrar Finance

*[Signature]*  
25-7-05  
(Dr. Ravi Bhushan)  
Professor In - Charge Finance

*[Signature]*  
25/7/05  
(Lt. Col. A.K. Srivastava)  
Registrar

(J.P. Gaur)  
Chairman, Board of Governors

*[Signature]*  
10 SEP 2005