

भवन एवं निर्माण समिति की
षष्ठम् बैठक का कार्यवृत्त

MINUTES OF THE SIXTH MEETING OF
THE BUILDING AND WORKS COMMITTEE

18TH SEPTEMBER 2003



भारतीय प्रौद्योगिकी संस्थान रूड़की
रूड़की - 247 667 (भारत)

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



भारतीय प्रौद्योगिकी संस्थान रुड़की

(पूर्व रुड़की विश्वविद्यालय)

रुड़की - 247 667, उत्तरांचल, भारत

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Lt Col A K Srivastava (Retd)
Registrar

No. IITR/MS/6th B&WC/(9/2003)/224

Dated 30th September 2003

Subject: Recommendations (Minutes) of the sixth meeting of the Building and Works Committee held on 18th September 2003.

Enclosed herewith please find a copy of the recommendations (minutes) of the sixth meeting of the Building & Works Committee of this Institute held on 18th September 2003 for favour of information of the members and record. Members who attended the meeting are requested to kindly offer their comments, if any, within 20 days. If no comments are received, it will be presumed that they have no comments to offer and approve of the minutes as recorded.

Encl: as above.

Yours faithfully,

(A.K. Srivastava)

Lt. Col. (Retd)

Registrar &

Member-Secretary B&WC

To

1. Prof. Prem Vrat
Director, IIT Roorkee
(Chairman)
2. Er. S.P. Singh
Chief Engineer,
C.P.W.D.
Kendriya Bhawan
III Floor, Sector K, Aliganj
Near Purana Chauraha
Lucknow

3. Mr. Pawan Agarwal
Director
Department of Secondary & Higher Education
Govt. of India
Ministry of Human Resource Development
Shastri Bhawan
New Delhi 110 001
4. Mr. S.K.Grover
Dy. Financial Advisor
Govt. of India
Ministry of Urban Development
& Poverty Alleviation,
New Delhi- 110 011
5. Er. R.C.Mittal,
The Chief Engineer
Public Works Department
Uttaranchal Govt.
Dehradun (Uttaranchal)
6. Er. J.M.Lal,
Dy. G.M.,
Uttaranchal State Electricity Board,
Roorkee – 247 667
7. Er. Salek Chand
Institute Engineer
IIT, Roorkee
8. Prof. S.K.Kaushik
Chairman, Estate & Works
IIT Roorkee
Permanent Invitee
9. Prof. M.L.Kapoor
Dy. Director
IIT Roorkee
Permanent Invitee
10. Lt. Col. (Retd) A.K.Srivastava
Registrar
IIT Roorkee
-Member Secretary

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
ROORKEE – 247 667

Minutes of the Sixth Meeting of the Building & Works Committee held on 18th September 2003 at 11.30 A.M. in the Board Room of the Institute.

The following were present:

- | | | |
|----|--|---------------------|
| 1. | Prof. Prem Vrat, Director | - Chairman |
| 2. | Er. J.M.Lal, Dy. G.M., Uttaranchal Power Corporation Ltd. Roorkee. | - Member |
| 3. | Er. Salek Chand, Institute Engineer | - Member |
| 4. | Prof. M.L.Kapoor, Dy. Director | - Permanent Invitee |
| 5. | Lt. Col. (Retd.) A.K.Srivastava, Registrar | - Member Secretary |

The following members could not attend the meeting due to their prior engagements:

1. Mr. Pawan Agarwal, IAS
Director (T), MHRD, Govt. of India, New Delhi
2. Mr. S.K.Grover, Dy. Financial Advisor
The Ministry of Urban Development & Poverty Alleviation
Govt. of India, New Delhi
3. Er. R.C.Mittal, Chief Engineer
Uttaranchal P.W.D, Dehradun
4. Er. S.P.Singh, Chief Engineer
CPWD, Lucknow.
5. Prof. S.K.Kaushik, Chairman E&W

The Chairman, Building & Works Committee welcomed the members to the Sixth Meeting. He extended a warm welcome to the external member Mr. J.M.Lal, Dy. G.M., Uttaranchal Power Corporation Ltd., Roorkee and expressed his gratitude for his guidance and contribution in the proceedings of the meetings.

Before taking up the agenda items, the Committee thanked Prof. K.G. Ranga Raju, Ex-Dy. Director outgoing member and recorded its appreciation for his valuable contribution in the meetings of the Committee.

The Committee also welcomed Prof. M.L.Kapoor, Dy. Director and hoped for his valuable contribution and active participation in its functioning.

Deliberations:

All the items of the Agenda were discussed and the deliberations/ recommendations are summarized as under:

Item No. 6.1.0 Confirmation of the minutes of the Fifth Meeting of the Building and Works Committee held on 3rd May 2003.

Having received no comments on the minutes, the B&WC confirmed the minutes of the above meeting as recorded and circulated.

Item No. 6.2.0 Actions taken Report on the minutes of the Fifth Meeting of the Building and Works Committee held on 3rd May 2003:

The B&WC noted the actions taken on the minutes of the above meeting, given on page 2 & 3 of the agenda note with the following observations on two items:

Item No. 3.4 The B&WC observed that quality to be comprehensively monitored during the construction of kitchen in the residences of block Nos. 147/172 to 147/208 of 'D' Group Colony in Vikas Nagar.

Item No. 3.6 1. Empanelment may be deferred as per report of the committee as given at **Appendix -I**.
2. Agreement with the present Architect/ Consultant will be executed by the CPWD.

Item No. 6.3.0 ITEMS FOR CONSIDERATION

6.3.1 To consider the proposal for creation of three posts of J.E. Grade-II (Civil) and one post of Technical Assistant (Sanitation) for the Construction Division, IIT Roorkee for Construction and Maintenance Works, chargeable to works:

At the outset, Er. Salek Chand, Institute Engineer stated that there are 25 Academic Departments/ Centres Buildings. Further, there are 12 Nos students Hostels and 1289 Nos residences for Institute employees in the Campus. He also stated that the Institute has 24 Kms. long road, 21 Kms. long Sewer Line and 365 Acres of land which is divided into two Zones. However,

7 Nos. J.Es. and one Technical Assistant (Sanitation) is looking after the entire work of the Campus.

The Institute is facing an acute problem to keep the Institute campus clean and properly maintained due to shortage of staff. He further stated that at present, 14. J.Es. (Civil) and two. Sanitary Inspectors are working in IIT Delhi.

The Committee considered the matter and recommended the creation of three posts of J.E. Grade-II (Civil) and one post of Technical Assistant (Sanitation) chargeable to works, purely on contract basis at a consolidated remuneration of Rs.8,000/- per month (each post) for a period of three years only for Construction, sanitation and Maintenance Works of the Institute.

The matter be placed before the Finance Committee/ Board of Governors for according approval.

6.3.2 To consider the proposal for construction of one additional room on the first floor residences of block no. 186, 187, 188 and 189 in Sheel Kunj (B-Category residences).

The Committee decided that the proposal for construction of one additional room on the first floor residences of block no. 186, 187, 188 and 189 in Sheel Kunj (B-Category residences) be referred to the Employee Welfare Committee of the Institute for their consideration and recommendations.

6.3.3 To consider the proposal for construction of one additional room in the residences of block No. 134, 136, 139, 140,163, 164, 165 & 166 of Vikas Nagar (A-Category residences).

The Committee decided that the proposal for construction of one additional room in the residences of block No. 134, 136, 139, 140,163, 164, 165 & 166 of Vikas Nagar (A-Category residences) be referred to Deans' Committee for their consideration and recommendations.

6.3.4 To consider the proposal for construction of Table Tennis Hall at the first floor of Sports Office.

At the outset, Er. Salek Chand, Institute Engineer stated that the Table Tennis activities have now become a part of the Sports Association, since it is an event in the inter IIT meet every year. Presently, only three T.T. Tables are available in the E.S.Club, which are not sufficient for organizing tournaments in the Campus. He further stated that IIT Roorkee is going to organize the inter IIT meet of all seven IITs in December 2005 for which four more TT Tables in addition to the three tables in E.S.Club are to be procured and located. Therefore, there is a need to construct a new TT Hall at the space available over the Sports Association Office.

The Committee considered the proposal and approved the preliminary estimate amounting to Rs.11.90 lacs (**Appendix-II**) as submitted by the Institute Engineer for construction of Table Tennis Hall at the first floor of Sports Office and recommended the same to the FC/BOG for according administrative approval and expenditure sanction.

6.3.5 To consider the proposal for construction of 200 kilolitre capacity overhead tank at D.P.T. Saharanpur campus.

Er. Salek Chand, Institute Engineer briefed the Committee that presently, there is only one overhead tank of 125 kilo litre capacity at DPT, Saharanpur Campus which is 40 years old and needs frequent repairs, due to which the DPT, Saharanpur Campus is facing an acute water problem since the last five years, especially during the period of repair of the water tank. However, due to shortage of funds, the new water tank could not be constructed. He stated that the requirement of water at DPT, Saharanpur campus is 400 Kilo Litre per day for various activities of the

Campus such as Pulp & Paper Lab, Recovery Lab, Boiler House, 25 Acres agriculture land, staff residences, students hostels, Mess etc.

The committee decided that the preliminary estimate amounting to Rs. 16.60 lacs (**Appendix – III**) for construction of a 200 kilolitre capacity overhead tank at DPT Saharanpur campus be accepted in principle. Further, a detailed agenda item giving full justification as well as per capita consumption of water and compare the requirement with Main campus be placed before the Finance Committee/ Board of Governors for according administrative approval and expenditure sanction.

6.3.6 To consider the proposal for construction of Lecture Hall and Lab. Block at second floor of the Department of Earth Sciences.

Er. Salek Chand, Institute Engineer stated that there are only 6 lecture theatres for six classes and extra class rooms are required to be constructed to run the electives. M.Tech. final year students have to work in the Department but do not have any space to store the samples for laboratory work. There is a need to provide research students with a long hall with cubicles and some common facilities like Computer and telephone. Low temperature Geochemistry Lab., Paleontology Maceration and fossil preparation Lab. Extension of Thin Section Lab, Photo geology Lab and Seismic Data Interpretation Lab are to established in the Department for which a Lab Block on the second floor of the Department is required to be constructed.

The Committee recommended that the preliminary estimate amounting to Rs. 17.06 lacs (**Appendix- IV**) as submitted by the

Institute Engineer for construction of Lecture Hall and Lab. Block on the second floor of the Department of Earth Sciences.

The matter be placed before the Finance Committee / Board of Governors for according administrative approval and expenditure sanction.

6.3.7 Estimate for proposed Extension of Biotechnology Department Building.

Er. Salek Chand, Institute Engineer stated that the developments in the field of Biotechnology have taken an unparalleled turn in the last few years and in the near future a dramatic increase is expected in Biotechnology research. New technologies in this area are expected to emerge as a better tool to develop value added products of industrial significance and to tackle the serious problems affecting the environment and human health. He further stated that the Department of Biotechnology is on the threshold of orienting to the new dimensions to keep pace with and to contribute distinctly to this emerging area of modern biotechnology. This is the time when this Department merits special attention for expansion and therefore a three storeyed building is essentially needed for the Department.

Presently, there are 08 faculty members in the Department and about 3-4 are expected to join in the near future. Hence, four additional faculty room are needed. Four additional laboratories for smooth running of M.Sc. practicals and projects are also needed. There is no cold room laboratory in the Department for M.Sc. practicals, projects and for research work, hence, one cold room laboratory is absolutely essential for the Department. Since, the Department is in the process of acquiring a number of new equipments from the MHRD grant allocated to the Department,

two additional instrument rooms are also required. In addition, two specialized laboratories as common facilities are needed for Tissue Culture and Radio isotope work.

The Committee approved the preliminary estimate amounting to Rs. 23.60 lacs (**Appendix- V**) as submitted by the Institute Engineer for extension of the building of the Department of Biotechnology at Ground Floor and Second floor with the condition that if both the floors are constructed in continuation, there will be a saving of 15% of the Institute and recommended the same to the FC/BOG for according administrative approval and expenditure sanction.

6.3.8 Progress Report of the on going/ completed Major Works.

Noted. The same be reported to the Finance Committee/Board of Governors.

6.3.9 To consider the proposal for demolition of 11 Nos. (dilapidated condition) 'D' Category Residences (147/68 to 147/79) of Block No. 147, D Colony Vikas Nagar.

The Committee recommended the proposal for demolition of 11 Nos. (dilapidated condition) 'D' Category Residences (147/68 to 147/79) of Block No. 147, D-Colony Vikas Nagar, as per the Master Plan with the condition that alternate accommodation be provided to the residents of these residences before starting the demolition work..

The matter be placed before the Board of Governors for specific approval.

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

Report of the Sub-Committee constitute by the Building and Works Committee to empanel 10 Architects for works planning, Architectural and Engineering Works of the Institute.

Committee met on Sept. 8,2003 in the office of Dy. Director and recommended the following.

1. All major works have already been assigned to empanelled architects and no new major work is proposed in near future. It was also mentioned that Institute already has a panel of three Architects and their Services are being utilized for other works.

Committee was of the view that there is no need to empanel the architects at this stage


INSTITUTE ENGINEER

ESTIMATE FOR PROPOSED CONSTRUCTION OF TABLE TENNIS HALL AT
FIRST FLOOR OF SPORTS OFFICE

Sl. No.	Item	Plinth Area	Cost of Const. per sq. mt. (Plinth area rate)	Estimated Cost
1.	Const. of Table Tennis Hall	281 m ²	4225.00	11,87,225.00

Say 11.90 lacs


Institute Engineer

CONSTRUCTION OF OVERHEAD TANK AT D.P.T. SAHARANPUR

Sl. No.	Name of Item	Rate	Estimated Cost
1.	Construction of 200 KL overhead tank upto staging height 20.00 meters including inlet & outlet water pipe line.	8.05 per litre (Rate as per CPWD schedule as on 1.1.92)	16,10,00.00

3% contingencies 48,300.00

Total 16,58,300.00

Say 16.60 lacs


Institute Engineer

Appendix IV
ITEM NO. 6.3.6

ESTIMATE FOR PROPOSED CONSTRUCTION ON SECOND FLOOR OF
EARTH SCIENCE DEPARTMENT

Sl. No.	Item	Plinth Area	Cost of Const. per sq. mt. (Plinth area rate)	Estimated Cost
1.	Const. of Lecture Hall and Lab Block	375 m ²	4550.00	17,06,250.00

Say 17.06 lacs


Institute Engineer

Appendix V
ITEM NO. 6.3.7

**ESTIMATE FOR PROPOSED CONSTRUCTION OF BIOTECHNOLOGY
DEPARTMENT BUILDING AT GROUND FLOOR AND FIRST FLOOR.**

Sl. No.	Name of Item	Plinth Area	Cost of Const. per sq. mt. (Plinth area rate)	Estimated Cost
1.	Extension of Biotechnology Department Building at Ground Floor & First floor	518 m ²	4550.00 per m ²	23,56,900.00

Say 23.60 lacs


Institute Engineer