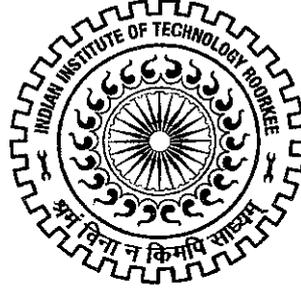


भवन एवं निर्माण कार्य समिति की पंद्रहवीं बैठक  
(अत्यावश्यक बैठक) का कार्यवृत्त  
**MUNUTES OF THE 15<sup>th</sup> MEETING (URGENT MEETING)  
OF THE BUILDING & WORKS COMMITTEE**

**(26.08.2006)**



भारतीय प्रौद्योगिकी संस्थान रुड़की  
रुड़की – 247 667 (भारत)

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

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भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की - 247 667, उत्तरांचल, भारत

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE - 247 667, UTTARANCHAL, INDIA

Fax : (91) 1332 - 285310, 273560

Tele : (91) 1332 - 272430, 285311 (O), 272445, 285312 (R)

e-mail : regis@iitr.ernet.in / srivastava-a@lycos.com

Lt. Col A K Srivastava (Retd)

Registrar

No. ITR/MS/15<sup>th</sup> B&WC/(08/2006) 1819  
Dated 26<sup>th</sup> August 2006

**Subject: Recommendations (Minutes) of the 15<sup>th</sup> meeting (urgent meeting) of the Building and Works Committee held on 26<sup>th</sup> August 2006.**

Enclosed herewith please find a copy of the recommendations (minutes) of the 15<sup>th</sup> meeting (urgent meeting) of the Building & Works Committee of this Institute held on 26<sup>th</sup> August 2006 for favour of information of the members and record. Members who attended the meeting are requested to kindly offer their comments, if any, within 15 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

To,

1. Prof. S. C. Saxena  
Director,  
Indian Institute of Technology Roorkee  
(Chairman)
2. Prof. H.K.Verma  
Dy. Director  
Indian Institute of Technology Roorkee
3. Prof. V.K. Gupta  
Chairman, Estate & Works  
Indian Institute of Technology Roorkee

4. Mrs. Irina Garg  
Director (T)  
Department of Secondary & Higher Education  
Govt. of India  
Ministry of Human Resource Development  
Shastri Bhawan  
New Delhi 110 001
5. Er. O.P.Bhatia  
Chief Engineer,  
C.P.W.D., Kendriya Bhawan  
III Floor, Sector K, Aliganj  
Near Purana Chauraha  
Lucknow (U.P.)
6. Er. Naresh Kumar,  
Dy. G. M.,  
Uttaranchal Power Corporation Ltd.,  
Roorkee - 247 667
7. Prof. S.C.Jain  
Department of Mechanical & Indl. Engg.  
Indian Institute of Technology Roorkee
8. Prof. H.O.Gupta  
Department of Electrical Engineering  
Indian Institute of Technology Roorkee
9. Prof. N.M. Bhandari  
Department of Civil Engineering  
Indian Institute of Technology Roorkee
10. Er. Salek Chand  
Institute Engineer  
Indian Institute of Technology Roorkee
11. Prof. S.P. Gupta  
Professor-in-Charge, Planning  
& Nodal Officer (MHRD), IITR  
- Permanent Invitee
12. Lt. Col. (Retd) A. K. Srivastava  
Registrar  
Indian Institute of Technology Roorkee  
- Secretary

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



Minutes of the 15<sup>th</sup> Meeting (Urgent Meeting) of the Building & Works Committee held on 26.8.2006 at 11.00 A.M. in the Committee Room.

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15.2	To consider the estimates submitted by the CPWD and U.P. Rajkiya Nirman Nigam Ltd. for extension of the existing hostels Govind Bhawan, Ganga Bhawan, Jawahar Bhawan and Ravindra Bhawan.	2
15.3	To consider the estimate for Refurbishment work of Toilets, Students' Messes, Guest Houses and Main Building, amounting to Rs. 699.50 lacs.	3
App.'A'	Estimate of UP Rajkiya Nirman Nigam Ltd. for extension of the existing hostels Govind Bhawan, Ganga Bhawan, Jawahar Bhawan and Ravindra Bhawan.	4-10
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**MEETING SECTION**  
**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
**ROORKEE - 247 667**

**Minutes of the 15<sup>th</sup> Meeting (urgent Meeting) of the Building & Works Committee held on 26<sup>th</sup> August 2006 at 11.00 A.M. in the Committee Room of the Institute.**

The following were present:

- |  |                    |
|--|--------------------|
| 1. Prof. S.C. Saxena, Director   | - Chairman         |
| 2. Prof. H.K. Verma, Dy. Director  | _ Member           |
| 3. Prof. V.K. Gupta, Chairman, E&W   | - Member           |
| 4. Er. Naresh Kumar, Dy. G.M., UPCL, Roorkee                                 | - Member           |
| 5. Prof. S.C. Jain, Mechanical & Indl. Engineering Deptt.                    | - Member           |
| 6. Prof. H.O. Gupta, Department of Electrical Engg.                          | - Member           |
| 7. Er. Salek Chand, Institute Engineer                                       | - Member           |
| 8. Prof. S.P. Gupta, Prof.-in-Charge Planning<br>& Nodal Officer, MHRD, IITR | - Special Invitee  |
| 9. Lt. Col. (Retd.) A.K.Srivastava, Registrar                                | - Member Secretary |

Communication was received from Er. O.P. Bhatia, Chief Engineer, CPWD for not attending the meeting.

The Chairman, Building & Works Committee (B&WC), welcomed the members to the urgent Meeting. He extended a warm welcome to the external member Er. Naresh Kumar, Dy. General Manager, UPCL, Roorkee who attended the meeting for the first time.

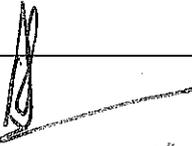
**Deliberations:**

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

**Item No. 15.1 To consider the phasing of construction of Multi-storeyed Boys Hostel as recommended by the B&WC in the meeting held on 22.8.2006 for Rs. 21,84,24,000.00**

The B&WC decided that as per the availability of funds, the acceptance for the work may be given with the following conditions:

1. Administrative approval and expenditure sanction should be taken for the complete estimate of Rs. 21,84,24,000.00 from the Finance Committee/ Board of Governors.

  
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2. For the first phase, which is to be completed by June 2007 Rs. 900.00 lacs would be allocated for this financial year.
3. Financial clearance to commence the II phase will be given by the Institute, subject to the availability of Plan funds.

**Note:** In order to make the hostel functional for occupancy by the students in June/July 2007, timely necessary action to furnish the hostel rooms, the Mess, the common room, the Offices of the Chief Warden and the Caretaker etc., should be taken by the Chairman, E&W and the Institute Engineer.

**Item No. 15.2 To consider the estimates submitted by the CPWD and U.P. Rajkiya Nirman Nigam Ltd. for extension of the existing hostels**

**(a) Estimate submitted by CPWD:**

1. Jawahar Bhawan	Rs. 2,66,32,790.00
2. Govind Bhawan	Rs. 97,65,048.00
3. Ravindra Bhawan	Rs. 1,55,13,646.00
4. Ganga Bhawan	Rs. 4,65,39,072.00
	-----
<b>Total</b>	<b>Rs. 9,84,50,556.00</b>
<b>3% contingencies</b>	<b>Rs. 29,53,517.00</b>
	-----
<b>Grand Total</b>	<b>Rs. 10,14,04,073.00</b>
	-----
<b>Say</b>	<b>Rs. 1014.00 lacs</b>

**(b) Estimate submitted by UP Rajkiya Nirman Nigam Ltd.:**

1. Jawahar Bhawan	Rs. 200.53 lacs
2. Govind Bhawan	Rs. 73.15 lacs
3. Ravindra Bhawan	Rs. 116.60 lacs
4. Ganga Bhawan	Rs. 355.00 lacs
	-----
<b>Total</b>	<b>Rs. 745.28 lacs</b>
	-----

The B&WC considered the estimates given by the CPWD and UP Rajkiya Nirman Nigam, which are based on their respective plinth area rates, and noted

  
26 AUG 2006

that the work of the Multi-storey Boys Hostel has already been recommended to be assigned to the CPWD. The B&WC therefore decided to recommend that the work of extension of the four existing hostels, named above, be assigned to the UP Rajkiya Nirman Nigam at a cost of Rs. 745.28 lacs (**Appendix 'A'**), so that the entire construction activity in the Institute at this stage is divided between the two agencies, for expeditious and time bound completion of the respective projects. For the current financial year, Rs. 500.00 lacs would be allocated for this work. The issue should be placed before the FC/BOG for according administrative approval and expenditure sanction.

**Note:** In order to make the extensions to the respective hostels functional for occupancy by the students in June/July 2007, timely necessary action to furnish the additional hostel rooms should be taken by the Chairman, E&W and the Institute Engineer.

**Item NO. 15.3.: To consider the estimate for Refurbishment work of Toilets, Students' Messes, Guest Houses and Main Building, amounting to Rs. 699.50 lacs.**

The B&WC considered the proposed refurbishment work of Toilets, Students' Messes, Guest Houses and the Main Building, and deliberated that these works would be feasible only over a sustained period of time, and would have to be executed in phases depending upon the availability of the identified spaces, which would have to be vacated in order to carry out the work, and the availability of funds for the same. With this observation, the B&WC accepted the proposal and decided to recommend the same to the FC/BOG for according administrative approval and expenditure sanction (**Appendix 'B'**). It is expected that about Rs. 1.00 crore would be required during the current financial year.

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



## उत्तर प्रदेश राजकीय निर्माण निगम लिमिटेड



Name of Work :---Estimate for the Extention of Hostel Building at I.I.T  
Roorkee In Distt Haridwar

Cost of Estimate : ---

- ( a ) Jawahar Bhawan Rs 200.53 Lacs
- ( b ) Govind Bhawan Rs 73.15 Lacs
- ( c ) Ravindra Bhawan Rs 116.60 Lacs
- ( d ) Ganga Bhawan Rs 355.00 Lacs

इकाई का नाम : उत्तर प्रदेश राजकीय निर्माण निगम लिमिटेड  
कैम्प ऑफिस राजकीय मुद्रालय आवासीय कालोनी  
परिसर रूड़की जिला हरिद्वार (उत्तरांचल)  
दूरभाष 9412231966 (मो.)

### अंचल कार्यालय

महाप्रबन्धक (उत्तरांचल)  
उ.प्र. राजकीय निर्माण निगम लि.  
ई-34, नेहरू कालोनी,  
प्रथम तल, देहरादून  
दूरभाष सं० 0135-2668339  
फैक्स-0135-2668339

### मुख्यालय

उ०प्र० राजकीय निर्माण निगम लि.  
विश्वरैया भवन,  
विभूति खण्ड, गोमती नगर,  
लखनऊ (उ.प्र.)  
फैक्स-0522-2720846  
ई.पी.बी.एक्स. 27206711

Name of work ; -- Extention of three storey Building at I.I.T Roorkee

### REPORT

The Preliminary Estimate for Extention of three storey Building Jawahar , Govind,Ravindra & ganga Bhawan at I.I.T Roorkee campus has been made in compliance of Institute Engineer letter No Dated 23-8-2006

The Following Provision have been made in the estimate--

S.No	Name of Work	Plinth Area	Amount
(a)	Jawahar Bhawan	2640.00 Sqm	Rs 200.53 Lacs
(b)	Govind Bhawan	960.00 Sqm	Rs 73.15 Lacs
(c)	Ravindra Bhawan	1530.00 Sqm	Rs 116.60 Lacs
(d)	Ganga Bhawan	4668.00 Sqm	Rs 355.00 Lacs

R..C.C framed structure will be designed with Earthquake resistance provision, Internal & water & Sewage system , Internal & External Electrification with copper wiring with , R .C. C Tank at Terrace level as required will also be provided.

Provision for the development of site such as leveling internal roads , drains Has also be made. There is no provision for Boundary Wall, Furnishing, kitchen Cutlary in this estimate.

SPECIFICATIONS :- As per list attached

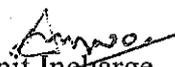
CONDITION :-

1. No Escalation will be charged
2. All Hostel Building will be completed with in 10 Month after taking possession of land
- 3 1/2% Penalty per month will be accepted if time extention will be asked beyond period mentioned at S.No (2)

MODE OF PAYMENT:-

1. 15 % of Estimated cost should be released at the time of Award of work
2. 25% of Estimated cost should be released at the starting of Foundation Work
- 3 10% of Estimated cost should be released at the completion of structure of each floor
- 4 10% of Estimated cost should be released at the completion of each floor

In above Preliminary estimate 5 % deduction has been made as per working of U.P.R.N.N & 11 % Centage Charges have been added . Hence this Estimate of Rs 745.28 Lacs is being submitted for kind approval.

  
Unit Incharge  
U.P.R.N.N  
Roorkee

Brief Specifications:-

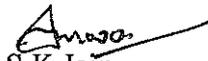
1. **Foundation & Superstructure:-** Three storeyed load Bearing foundation as per Architectural/Structural drawings, filler wall 230mm thick of brick work of class designation 75 in cement mortar 1:6 (1 cement : 6 coarse sand) and partition wall 115mm thick in cement mortar 1:4 (1 cement : 4 coarse sand)
2. **Doors and Windows frames:-**
  - (i) Window frame:- Pressed steel frames with Z section window I/c mosquito proof jali shutter
  - (ii) Door frame:- M.S.T. iron frame
3. **Door shutter & fittings:-** All door shutters shall be 35mm thick flush door shutter 18mm thick prelaminated particle board shutter for cupboards.
4. **Windows/ventilator shutter:-** M.S. tubular box section corrosion resistant coated glazed shutter and M.S. grill with M.S. fittings with a provision of wire gauge shutters.
5. **Flooring:-** Marble chips flooring and skirting with ordinary cement in all rooms. In remaining areas including toilet, circulation area. Dining, kitchen, kota stone flooring shall be provided. Ceramic glazed tiles dado upto jamb height in W.C. and bathroom shall be provided.
6. **External finishing:-** Exterior Weather coat (Snowery) paint over cement plaster.
7. **Internal finishing:-** Dry distemper in all rooms, kitchen, W.C. and bath and all ceiling which shall be done with white wash. Synthetic enamel paint on wood work and steel work.
8. **Sanitary Fittings:-** C.P. brass with bib cock and stop cocks
9. **Misc. Building works:-** Provision of Plinth Protection, brick edging and CC 1:2:4 payement.
10. **Aluminium work:-** Aluminium door & window work in mess & student club.
11. **Internet wiring:-** In all rooms
12. **G.I. Pipe:-** B class T.T. Swastik I.S.I. marked

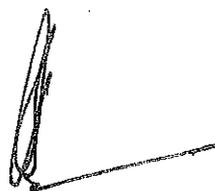
Name of work :-- Estimate for Extention of Jawahar Bhawan Building at I.I.T Roorkee

ABSTRACT OF COST

S.No	Name of Hostel Building	Plinth Area	Plinth Area Rate as per U.P.P.W.D	Amount in lacs
(1)	Construction of Hostel Building with the provision of toilets Corridor R.C.C Framed structure up to three storey	2640.00Sqm	Rs 5378.00	Rs 141.97
(2.)	Extra For Earthquake resistance	2640.00 Sqm	Rs 325.00	Rs 8.58
(3)	Internal water supply and sanitary Work @ 8 %			Rs 11.36
(4)	Internal Electrification @ 12.5 % with Copper wiring			Rs 17.75
(5.)	Power wiring 2 % and External Electrification			Rs 2.84
(6)	Extra for development charges such as Road, drain with the provision of R.C.C / Sintax Tank over roof/ septic tank, soak pit where required		L.S	Rs 6.25
(7)	Extra rate for Brick coba Treatment @ 0.50 %			Rs 0.71
(8)	Extra provision for Internet wiring @0.50 %			Rs 0.71
				-----
				Rs 190.17
(9)	Less 5 % Due to U.P.R.N.N Working		(-)	Rs 9.51
				-----
				Rs180.66
(10)	Add 11 % U.P R.N.N Centage Charges		(+)	Rs 19.87
				-----
				Total Rs 200.53 Lacs

  
A.R.E  
U.P.R.N.N

  
S.K Jain  
Unit Incharge  
Roorkee

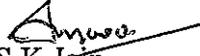
  
26 AUG 2006

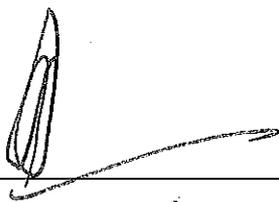
Name of work :- Estimate for Extention of GovindBhawan Building at I.I.T Roorkee

ABSTRACT OF COST

S.No	Name of Hostel Building	Plinth Area	Plinth Area Rate as per U.P.P.W.D	Amount in lacs
(1)	Construction of Hostel Building with the provision of toilets Corridor R.C.C Framed structure up to three storey	960.00Sqm	Rs 5378.00	Rs 51.62
(2.)	Extra For Earthquake resistance	960.00 Sqm	Rs 325.00	Rs 3.12
(3)	Internal water supply and sanitary Work @ 8 %			Rs 4.12
(4)	Internal Electrification @ 12.5 % with Copper wiring			Rs6.45
(5.)	Power wiring 2 % and External Electrification			Rs1.03
(6)	Extra for development charges such as Road, drain with the provision of R.C.C / Sintax Tank over roof/ septic tank, soak pit where required			Rs 2.50
(7)	Extra rate for Brick coba Treatment @ 0.50 %			Rs 0.26
(8)	Extra provision for Internet wiring @0.50 %			Rs 0.26
				Rs 69.36
(9)	Less 5 % Due to U.P.R.N.N Working		(-)	Rs 3.46
				Rs65.90
(10)	Add 11 % U.P R.N.N Centage Charges		(+)	Rs 7.25
				Total Rs 73.15 Lacs

  
A.R.E  
U.P.R.N.N

  
S.K Jain  
Unit Incharge  
Roorkee

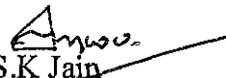
  
26 AUG 2006

Name of work :- Estimate for Extention of Ravindra Bhawan Building at I.I.T Roorkee

ABSTRACT OF COST

S.No	Name of Hostel Building	Plinth Area	Plinth Area Rate as per U.P.P.W.D	Amount in lacs
(1)	Construction of Hostel Building with the provision of toilets Corridor R.C.C Framed structure up to three storey	1530.00Sqm	Rs 5378.00	Rs 82.28
(2.)	Extra For Earthquake resistance	1530.00 Sqm	Rs 325.00	Rs 4.97
(3)	Internal water supply and sanitary Work @ 8 %			Rs 6.58
(4)	Internal Electrification @ 12.5 % with Copper wiring			Rs10.28
(5.)	Power wiring 2 % and External Electrification			Rs1.65
(6)	Extra for development charges such as Road, drain with the provision of R.C.C / Sintax Tank over roof/ septic tank, soak pit where required			Rs 4.00
(7)	Extra rate for Brick coba Treatment @ 0.50 %			Rs 0.41
(8)	Extra provision for Internet wiring @0.50 %			Rs 0.41
				-----
				Rs 110.58
(9)	Less 5 % Due to U.P.R.N.N Working		(-)	Rs 5.52
				-----
				Rs105.06
(10)	Add 11 % U.P R.N.N Centage Charges		(+)	Rs 11.55
				-----
				Total Rs 116.60 Lacs

  
A.R.E  
U.P.R.N.N

  
S.K. Jain  
Unit Incharge  
Roorkee

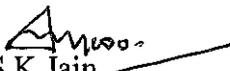
  
26 AUG 2006

Name of work :-- Estimate for Extention of Ganga Bhawan Building at I.I.T Roorkee

ABSTRACT OF COST

S.No	Name of Hostel Building	Plinth Area	Plinth Area Rate as per U.P.P.W.D	Amount in lacs
(1)	Construction of Hostel Building with the provision of toilets Corridor R.C.C Framed structure up to three storey	4668.00Sqm	Rs 5378.00	Rs 251.04
(2.)	Extra For Earthquake resistance	4668.00 Sqm	Rs 325.00	Rs 15.17
(3)	Internal water supply and sanitary Work @ 8 %			Rs 20.08
(4)	Internal Electrification @ 12.5 % with Copper wiring			Rs31.38
(5.)	Power wiring 2 % and External Electrification			Rs5.02
(6)	Extra for development charges such as Road, drain with the provision of R.C.C / Sintax Tank over roof/ septic tank, soak pit where required			Rs 11.50
(7)	Extra rate for Brick coba Treatment @ 0.50 %			Rs 1.25
(8)	Extra provision for Internet wiring @0.50 %			Rs 1.25
				-----
				Rs 336.39
(9)	Less 5 % Due to U.P.R.N.N Working		(-)	Rs 16.83
				-----
				Rs319.85
(10)	Add 11 % U.P R.N.N Centage Charges		(+)	Rs 35.18
				-----
				Total Rs 355.00 Lacs

  
A.R.E  
U.P.R.N.N

  
S.K Jain  
Unit Incharge  
Roorkee

**Appendix 'B'**  
**Item No. 15.3**

**ESTIMATE FOR REFURBISHMENT WORK AT IIT ROORKEE**

1.	Toilet renovation for the whole campus Area @51,000 ftx 650/Sft	Rs. 3,31,50,000.00
2.	Dining Hall in student Messes Area @60,000 Sftx425/Sft	Rs. 2,55,00,000.00
3.	Cooking and other Ancillary areas in Messes: Area @22,000 Sft x 350/Sft	Rs. 77,50,000.00
4.	Main Guest House and New Guest House Lumpsum	Rs. 10,00,000.00
5.	Main Building Lumpsum	Rs. 5,00,000.00
	Total (i.e. 1+2+3+4+5)	Rs. 6,79,00,000.00
	Contingencies 3%	Rs. 20,40,000.00
	Grand Total	Rs. 6,99,40,000.00
	<b>Say</b>	<b>Rs. 699.50 lacs</b>



26 AUG 2006