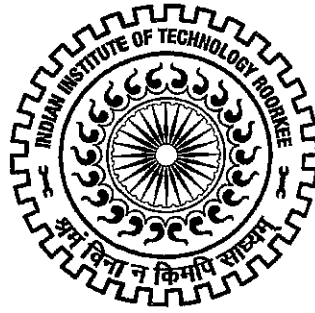


भवन एवं निर्माण समिति  
की पंचम् बैठक का कार्यवृत्त

**MINUTES OF THE 5<sup>th</sup> MEETING OF THE  
BUILDING AND WORKS COMMITTEE**

03.05.2003



भारतीय प्रौद्योगिकी संस्थान रुड़की  
रुड़की - 247 667 (भारत)

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



भारतीय प्रौद्योगिकी संस्थान रुड़की  
(पूर्व रुड़की विश्वविद्यालय)

रुड़की - 247 667, उत्तरांचल, भारत

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE  
(Formerly University of Roorkee)

ROORKEE - 247 667, UTTARANCHAL, INDIA

Fax : (91) 1332 - 285310, 273560,

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

e-mail : regis@iitr.ernet.in

Lt Col A K Srivastava (Retd)  
Registrar

No. IITR/MS/B&WC/5<sup>th</sup>(2003)/185(ii)

Dated 14<sup>th</sup> May 2003

Subject: Recommendations (Minutes) of the 5<sup>th</sup> meeting of the Building and Works Committee held on 3<sup>rd</sup> May 2003.

Enclosed herewith please find a copy of the recommendations (minutes) of the 5<sup>th</sup> meeting of the Building & Works Committee of this Institute held on 3<sup>rd</sup> May 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. Mr. 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. S.K.Gupta,  
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  
Civil Engg. Deptt.  
IIT Roorkee  
Permanent Invitee
9. Prof. K.G.Ranga Raju  
Dy. Director  
IIT Roorkee  
Permanent Invitee
10. Lt. Col. (Retd) A.K.Srivastava  
Registrar  
IIT Roorkee  
-Member Secretary

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
ROORKEE

INDEX

Item No.	Item	Page No.
1.0	Confirmation of the minutes of the 4 <sup>th</sup> meeting of the Building and Works Committee held on 21.02.2003.	1
2.0	Action Taken Report on the minutes of 4 <sup>th</sup> meeting of the B&WC held on 21.2.2003.	2
3.1	Proposal for construction of 28 Nos multistoried Faculty Residences.	2
3.2	Proposal for widening and strengthening of Road from SDM Chowk to BEG&C Gate of IIT Roorkee.	2
3.3	Proposal for Construction / Raising of the existing Boundary Wall around the Institute Campus for Security purposes.	3
3.4	Proposal for providing a separate kitchen in the residences of block Nos. 147/172 to 147/208 of 'D' Group Colony in Vikas Nagar.	3
3.5	Proposal for filling up three posts of J.E. Grade II (Civil) and one post of Technical Assistant (Sanitation) for the Construction Division.	4
3.6	Proposal for constitution of Sub-committee to finalise the process and appointment of Panel of Architects of the Institute Construction Works.	4
3.7	Progress Report of the on going/ completed Major Works.	5
3.8	Estimate submitted by CPWD amounting Rs. 3.21 lacs for electrification of the Senate Hall.	5
App. 'A'	Estimate of Rs. 521.00 lacs for construction of Mulotistoried Flats	6
App.'B'	Estimate of Rs. 14.00 lacs for widening and strengthening of road from SDM Chowk to IIT Roorkee.	7
App.'C'	Estimate of Rs. 61.00 lacs for construction of Boundary Wall in IIT Campus.	8
App. 'D'	Estimate of Rs. 6.54 lacs for construction of kitchen in Block 147/172 to 147/208, Vikas Nagar, Group D residences.	9
App. 'E'	Estimate of Rs. 3.21 lacs for electrification of Senate Hall.	10

**Minutes of the 5<sup>th</sup> meeting of the Building and Works Committee held on 3<sup>rd</sup> May 2003 at 2.00 P.M. in the Board Room.**

**The following were present:**

- |    |   |                     |
|----|---|---------------------|
| 1. | Prof. Prem Vrat, Director   | - Chairman          |
| 2. | Er. S.P.Singh, Chief Engineer, CPWD, Lucknow  | - Member            |
| 3. | Mr. Pawan Agarwal, Director, MHRD, New Delhi  | - Member            |
| 4. | Mr. S.K.Grover, Dy, Financial Advisor, Ministry of Urban Dev. & Poverty Alleviation, Govt. of India | - Member            |
| 5. | Er. S.K.Gupta, Chief Engineer, PWD, Uttaranchal Govt., Dehradun (Uttaranchal)                       | - Member            |
| 6. | Er. J.M.Lal, Dy. G.M., Uttaranchal State Electricity Board, Roorkee                                 | - Member            |
| 7. | Er. Salek Chand, Institute Engineer   | - Member            |
| 8. | Prof. K.G.Ranga Raju, Dy. Director  | - Permanent Invitee |
| 9. | Lt. Col. (Retd) A.K.Srivastava, Registrar   | - Member Secretary  |

Prof. S.K.Kaushik, Chairman, Estate & Works could not attend the meeting due to prior engagements.

The Chairman welcomed the members to the 5<sup>th</sup> meeting of the Building & Works Committee of the Institute. He expressed happiness that all the members were present.

**Deliberations:**

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

**Item No. 1.0: Confirmation of the minutes of the 4<sup>th</sup> meeting of the Building and Works Committee held on 21.02.2003.**

Having received no comments on the minutes, the B&WC confirmed the minutes of the above meeting as recorded and circulated. Further, the Committee was of the view that last minutes of the meeting be annexed with the Agenda.

**Item No. 2.0: Actions Taken Report on the minutes of 4<sup>th</sup> meeting of the B&WC held on 21.02.2003:**

The B & W C noted the actions taken on the minutes of the above meeting, given on pages 2 and 3 of the agenda note with the following observations:

**Item No. 4.1** Changes, if any, in the drawing to incorporate the jobs of Air-cooling and Electrification of the Senate Hall, be accepted.

**Item No. 4.2** Intense priority between Azad, Rajendra & Cautley Bhawans be decided by DOSW, and construction scheduled accordingly.

**Item No. 3.0 ITEMS FOR CONSIDERATION:**

**Item No.3.1 Considered the proposal for construction of 28 Nos. multistoried Faculty Residences and according Administrative Approval & Expenditure Sanction.**

The Committee approved the Preliminary Estimates of Rs. 521.00 lacs as submitted by the C.P.W.D. for construction of another 28 Nos. multistoried Faculty Residences and recommended the same to the BOG for according administrative approval and expenditure sanction.

The Committee was also apprised by Er. S.P.Singh, that the actual cost was likely to be about 10% lower than the projected cost.

The details of the Preliminary Estimates are given at Appendix 'A'.

**Item No.3.2 Considered the proposal for widening and strengthening of Road from SDM Chowk to BEG&C Gate of IIT Roorkee:**

The Committee approved the Preliminary Estimates amounting to Rs. 14.00 lacs for widening and strengthening of Road from SDM Chowk to BEG&C Gate of IIT Roorkee with the following observations and

recommended the same to the BOG for according administrative approval and expenditure sanction.

1. The use of the land to be utilized for widening and strengthening the road will be transferred to IIT Roorkee, for this purpose.
2. The Nagar Palika will put up ornamental plantation on both the sides of the road, with adequate protective structures to prevent encroachment,
3. All temporary structures will be removed by the Nagar Palika.
4. Barriers would be provided and operated by BEG&C at appropriate places on the road.

The details of the Preliminary Estimates are given at **Appendix 'B'**.

**Item No.3.3 Considered the proposal for Construction/ Raising of the existing Boundary Wall around the Institute Campus for Security purposes.**

The Committee approved the Preliminary Estimates amounting to Rs. 61.00 lacs for new construction and raising the height of the existing Boundary Wall around the campus and recommended the same to the BOG for according administrative approval and expenditure sanction.

The details of the Preliminary Estimates are given at **Appendix 'C'**.

**Item No.3.4 Considered the proposal for providing a separate kitchen in the residences of block Nos. 147/172 to 147 /208 of 'D' Group Colony in Vikas Nagar.**

The Committee observed that an appropriate name be given to this colony, and approved the Preliminary Estimates amounting to Rs. 6.54 lacs for providing a separate kitchen in the residences of Block Nos. 147/172 to 147 /208 of 'D' Group Colony in Vikas Nagar.

The details of the Preliminary Estimates are given at **Appendix 'D'**.

**Item No. 3.5 Considered the proposal for filling up 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:**

Er. Salek Chand, Institute Engineer briefed the Committee that due to paucity of supervisory staff, the Institute is facing a lot of problem for handling day to day sanitation and maintenance work of the entire campus. After deliberation, the Committee decided that three vacant posts of J.E. Grade-II (Civil) and one vacant post of Technical Assistant (Sanitation) for the Construction Division, IIT Roorkee for Construction and Maintenance Works be filled up subject to the ceiling laid down by Government of India i.e. 1/3<sup>rd</sup> of the vacancies, subject to a maximum of 1% of the Cadre strength may be filled up. The correct position regarding vacancies be checked up and the matter placed before the Finance Committee/Board of Governors for specific approval of filling of vacancies.

**Item No.3.6 Considered the proposal for constitution of a sub-committee to finalize the process and enlist a Panel of Architects for the Institute.**

After deliberation, the Committee decided that the under mentioned Sub-committee be constituted to empanel 10 Architects for Works Planning, Architectural and Engineering Works of the Institute.

- (a) Dy. Director
- (b) Chairman, E & W
- (c) One representative from CBRI, Roorkee
- (d) Head, Department of Architecture & Planning
- (e) Er. S.K.Gupta, Chief Engineer, PWD, Uttaranchal
- (f) Institute Engineer, IIT Kanpur
- (g) Prof. S.Y.Kulkarni, Deptt. of Arch. & Planning
- (h) Institute Engineer, IIT Roorkee - **Secretary**



**Item No. 3.7 Progress report of the on going/ completed Major Works.**

Noted.

**Item No.3.8 Considered the administrative approval and expenditure sanction to the estimate submitted by CPWD amounting Rs. 3.21 lacs for electrification of the Senate Hall.**

The Committee approved the additional Preliminary Estimates amounting to Rs. 3.21 lacs as submitted by the CPWD for additional electrification of the Senate Hall.

The details of the Preliminary Estimates are given at **Appendix 'E'**.

Further, the Committee authorized the Director to accord administrative approval and expenditure sanction for new works costing upto Rs. 10.00 lacs.

**UNDER ANY OTHER ITEM:**

1. The Director briefed the Committee that there was a need for renovation/modernization of the Hangar of the Institute. The B&WC accepted the proposal in principle and decided that a detailed plan for renovation/modernization of the Hangar retaining its historic characters, be placed before the B&WC for approval.
2. The proposal for a new Gate opposite the newly constructed BEG&C gate was accepted in principle and it was decided that the detailed drawings, estimates and arboriculture plan be placed before the Director for specific approval.

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

**APPENDIX-A**

**Item No. 3.1**

Name of Work: C/o 28 Nos. Multistoried Flats at I.I.T., Roorkee.

Sl. No.	Description of Work	Civil Work	Elect. Work	Total
1.0	Building Portion	4,07,53,084.00	13,18,000.00	4,20,71,084.00
2.0	Development Work	13,24,126.00	81,800.00	14,05,926.00
3.0	Bulk Services		86,67,450.00	86,67,450.00
	<b>Total</b>	<b>4,20,77,210.00</b>	<b>1,00,67,250.00</b>	<b>5,21,44,460.00</b>

Say Rs. 5,21,44,460.00

Sd.

A.E. (P-III)  
CPWD, Lucknow

Sd.

E.E. (P-III)  
CPWD, Lucknow

Sd.

S.E. (P&A) (NZ-II)  
CPWD, Lucknow

Sd.

C.E. (NZ-II)  
CPWD, Lucknow

**APPENDIX-B**

Item No. 3.2

**ESTIMATE FOR  
WIDENING (3.0 M) AND STRENGTHENING (62.5 M) OF ROAD  
FROM S.D.M. CHAURAHA TO I.L.T. ROORKEE GATE (BEG GATE)**

Length = 700 m

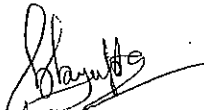
SL. NO.	ITEM OF WORK	QUANTITY	UNIT	RATE	PER	AMOUNT
1.	Earth work in excavation including removal of surplus earth by cartage.	600.00	M <sup>3</sup>	103.30	M <sup>3</sup>	61,980.00
2.	Laying 63-45 mm stone ballast in 7.50 cm compacted thickness by road roller etc. complete as per MOST specifications.	150.00	M <sup>3</sup>	582.00	M <sup>3</sup>	87,300.00
3.	Same as above item No. 2 but stone ballast 53-22.4 mm in two layers of each 7.50 cm compacted thickness as per MOST specifications.	300.00	M <sup>3</sup>	646.00	M <sup>3</sup>	1,93,800.00
4.	Primer coat on W.B.M. surface with bitumen as per MOST specifications.	1950.00	M <sup>2</sup>	12.70	M <sup>2</sup>	24,765.00
5.	Tack coat on existing black top surface with rapid setting emulsion before laying B.M & SDBC as per MOST specifications.	9200.00	M <sup>2</sup>	6.08	M <sup>2</sup>	55,936.00
6.	B.M of compacted thickness of 5.0 cm with paver finish as per MOST specification.	280.00	M <sup>3</sup>	2021.30	M <sup>3</sup>	5,65,964.00
7.	SDBC 25 mm thickness complete as per MOST specification.	115.00	M <sup>3</sup>	2781.20	M <sup>3</sup>	3,19,838.00
8.	Brick on edge pavement on patrives	300.00	M <sup>2</sup>	110.00	M <sup>2</sup>	33,000.00
9.	Construction of Barrier with hut complete	1	Nos.	1,00,000.00	Nos.	1,00,000.00

Total Rs. 14,42,583.00

Add. Contingency @ 3.00%

43277.00

After deducting cost of Barrier (Rs. 1.00 lacs)  
Gross Total Rs. 14,85,860.00  
Rs 1385860.00  
Say Rs. 14.00 lacs

  
J.E.

  
A.E. IV

  
J.E.

ESTIMATE

Name of Work: Construction of Boundary Wall in I.I.T. Campus

1.	Construction of Boundary Wall 6 ft. (1.80 m) height with 2 ft. (60 cm.) approved M.S. Fencing 2064 RM @ Rs. 1525/- per RM	Rs. 31,47,600.00
2.	Raising of existing Boundary Wall upto 6 ft. (1.80 m) height with 2 ft. (60 cm.) approved M.S. Fencing 1907 RM @ Rs. 595/- per RM	Rs. 11,34,665.00
3.	Providing 2 ft. (60 cm) M.S. Fencing on existing Boundary Wall 3484 RM @ Rs. 475/- per RM	Rs.16,54,900.00
		Rs. 59,37,165.00
	Contingencies 3%	Rs. 1,78,114.00
		<hr/> Total Rs. 61,15,279.00
		Say Rs. 61.00 lacs

  
Supdtt. Instt. Estate


ESTIMATE FOR CONSTRUCTION KITCHAN IN BLOCK 147/172 V.N. to 147/208  
V.N. D- Class (3 Block)CONTAINING 36 RESIDENCES OF D CLASS.

1. Plinth area of Kitchen to be Constructed  
36 X 2.90 M X 1.90 M = 198.36 Sq. M.  
@ 3200 per Sq. M. (As 1 ½ existing wall  
with be utilized) Rs. 634752.00

Contigencies 3% Rs. 194042.00

Rs. 653794.56

Says Rs. 6.54 Lacs

  
SUPDT. INST. ESTATE

**ABSTRACT OF COST ORIGINAL ESTIMATE**

Name of Work: Renovation of Senate Hall at I.I.T., Roorkee. (SH:Pg. electrical installation)

Sl. No.	Description of Item	Quantity	Rate	Unit	Amount
1.	Wiring for light/ex.fan/call bell point with PVC insulated copper conductor wire in steel conduit with copper wire. (Group 'C')	30 Pts.	520/-	Pt.	15600.00
2.	Wiring for power circuit.	12 Nos.	1500/-	Each	18000.00
3.	Wiring for light circuit.	6 Nos.	1000/-	Each	6000.00
4.	Wiring for submain.	2 Nos.	2500/-	Each	5000.00
5.	Loop earth wire.	1 Job	4000/-	Job	4000.00
6.	P/F 8 way TPN MCB DB with MCBs.	2 Jobs	5000/-	Job	10000.00
7.	P/F 1x150W metal halide fitting of switches with plate type switches in hall	8 Nos.	5000/-	Each	40000.00
8.	P/F exit light fitting in hall.	6 Nos.	1600/-	Each	9600.00
9.	Provision for replacement of switches with plate type switches in hall.	1 Job	4000/-	Job	4000.00
10.	P/F 2x11 W CFL fitting in toilet/painting.	10 Nos.	1500/-	Each	15000.00
11.	P/F 1x40W Fl. Fitting in PA system room & Elect. room.	4 Nos.	600/-	Each	2400.00
12.	P/F electric chimney in pantry.	1 Job	35000/-	Job	35000.00
13.	P/F ventilation duct & fan in toilet.	1 Job	25000/-	Job	25000.00
14.	P/F mirror light fitting with 1x11 W CFL lamp.	3 Nos.	800/-	Each	2400.00
15.	P/F main distribution board in control room.	1 Job	50000/-	Job	50000.00
16.	P/F 3x36 W CFL fitting in Varandha.	4 Jobs	5000/-	Job	20000.00
17.	P/F twin blower, infrared sensor type automatic hand dryer.	3 Jobs	8000/-	Job	24000.00
18.	Provision for misc. item i/c unforeseeable item such as repair and painting of old wall bracket fans etc.	1 Job	20000/-	Job	20000.00
				<b>Total</b>	<b>3,06,000.00</b>

Add 5% contingency 15,300.00

**Total 3,21,300.00**

Say - Rs. 3.21 lacs

Sd. Sd.

Assistant Engineer (E)-P  
DCED, CPWD, Dehradun.

Executive Engineer (E),  
DCED, CPWD, Dehradun.