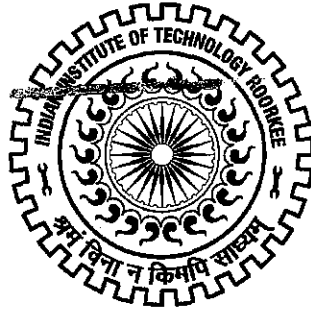


भवन एवं निर्माण कार्य समिति
की नवम् बैठक का कार्यवृत्त

**MINUTES OF THE NINTH MEETING OF THE
BUILDING & WORKS COMMITTEE**

10TH FEBRUARY 2005



भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की – 247 667 (भारत)

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

Minutes of the 9th Meeting of the Building & Works Committee held on 10th February 2005 at 11.30 A.M. in the Board Room.

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9.2.0	To receive a report on the actions taken to implement the decisions taken by the Building and Works Committee at its 8 th meeting of the B&WC held on 14.9.2004 and Special meeting held on 22.11.2004.	2
9.3.0	ITEMS FOR CONSIDERATION	
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INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
ROORKEE - 247 667

Minutes of the 9th Meeting of the Building & Works Committee held on 10th February 2005 at 11.30 A.M. in the Board Room of the Institute.

The following were present:

- | | |
|---|---------------------|
| 1. Prof. Prem Vrat, Director | - Chairman |
| 2. Mr. Hulas Singh, Director (T), MHRD, New Delhi | - Member |
| 3. Er. S.P.Singh, Chief Engineer, CPWD, Lucknow | - Member |
| 4. Mr. S.K.Grover, Dy. Financial Advisor
The Ministry of Urban Development
& Poverty Alleviation, New Delhi | - member |
| 5. Er. Salek Chand, Institute Engineer | - Member |
| 6. Prof. V.K.Gupta, Chairman, E&W | - Member |
| 7. Prof. S. Ray, Dean Administration | - Permanent Invitee |
| 8. Prof. S.P.Gupta, Prof.-in-Charge Planning
& Nodal Officer, MHRD, IITR | - Special Invitee |
| 9. Lt. Col. (Retd.) A.K.Srivastava, Registrar | - Member Secretary |

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

1. Er. R.C.Mittal, Chief Engineer, Uttaranchal P.W.D, Dehradun
2. Er. Prahalad Singh, Dy. G.M., U.P.C.L., Roorkee
3. Director, CBRI, Roorkee

The Chairman, Building & Works Committee (B&WC), welcomed the members to the 9th Meeting. He extended a warm welcome to the external member Mr. Hulas Singh, the Director (T), MHRD, New Delhi, who was attending a meeting of the B&WC for the first time, and solicited his guidance in the deliberations of the B&WC.

Before taking up the agenda items, the Committee thanked Mr. P.K.Gupta, Ex-Director (T), MHRD outgoing member and recorded its appreciation for his valuable contribution in the meetings of the Committee.

Deliberations:

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

Item No. 9.1.0 Confirmation of the minutes of the 8th Meeting of the Building and Works Committee held on 14th September 2004 and Special meeting on 22nd November 2004.

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

Item No. 9.2.0 Action taken Report on the minutes of the 8th Meeting of the Building and Works Committee held on 14th September 2004 and Special meeting on 22nd November 2004.

The B&WC noted the actions taken on the minutes of the above meetings, given on pages 2, 3 & 4 of the agenda note with the following observations on two items:

Item No. 8.3.3 To consider the revised proposal for renovation of the SWP Hanger:

The B&WC observed that the issue be expedited and put on high track monitoring.

Item of Special meeting dated 22nd November 2004:

To re-consider the issue related to construction of the Faculty Lounge and Administrative Approval and Expenditure Sanction to the Revised Preliminary Estimate of Rs. 202.00 lacs for the purpose, as submitted by the CPWD.

The Committee decided that the work be re-named "Construction of the Community Centre" and

approved with reduced scope of work for Rs. 173.00 lacs, as per the estimate submitted by the CPWD (**Appendix 'A'**). The Committee also decided that the Chief Engineer, CPWD is not bound to further consult M/S Jasbir Sawhney & Associates for obtaining the revised layout plans and detailed drawings for the Community Centre.

ITEMS FOR CONSIDERATION

Item No. 9.3.1 To consider the demolition of 15 Numbers old residences No.43/1 to 43/15, Govindpuri.

The B&WC decided that as recommended by the committee constituted by the Institute Engineer, the demolition of 15 Nos. old residences No.43/1 to 43/15, Govindpuri, be approved.

Further, the B&WC observed that other unsafe structures should be identified and demolished, in line with the Master Plan & future expansion plans of the Institute.

Item No.9.3.2 To consider the execution of Contract Agreements of works on Stamp Paper worth Rs. 100/-

The B&WC decided that the execution of Contract Agreements of works by Contractors on Stamp Paper worth Rs. 100/-, be approved.

Item No. 9.3.3 To consider the revision of powers of Asstt. Engineers/Asstt. Executive Engineers/Institute Engineer for award of work on work orders.

The B&WC decided that the powers of Asstt. Engineers/Asstt. Executive Engineers for award of

work on work orders without calling for tenders may remain unchanged at Rs.10,000/-. However, the power of the Institute Engineer for awarding a work on work order, without publishing a tender notice, be enhanced to Rs. 75,000/- per work, with the proviso that this procedure be resorted to in exceptional circumstances only. In such cases, a minimum of three quotations for the proposed work will be collected by hand by a Committee consisting of two Officers of the Institute or through quotation notice pasted at the notice board of the Institute.

Item No. 9.3.4 To report the progress in the issue of Greater Noida Extension Centre.

The progress of the Greater Noida Extension Centre was noted. Further, the Committee decided that the Chief Engineer, CPWD, Delhi Zone may select an able Architect from their panel, in consultation with the IIT Roorkee, in order to ensure that the functionality and aesthetics of the buildings are of the highest order. The approximate estimate of Rs.1200.00 lakhs for construction of the Greater Noida Extension Centre, including development of the land, roads and sewage disposal, was noted by the B&WC with the observation that a provision be made for the Centre in the Budget Estimates for Plan funds for the year 2005-2006.

Item No. 9.3.5 Progress of the on going Major Works.

The progress of the on going Major Works given at **Appendix 'B'** was noted with the under mentioned observations:

1. Concern should be shown to the CPWD for not completing various works on time/falling behind schedule.
2. The CPWD is committed to completing the under-mentioned works by 30th June 2005:-
 - (a) Construction of 28 nos. MS Faculty residences: Phase-I.
 - (b) Construction of 28 nos. MS Faculty residences: Phase-II.
 - (c) Construction of the Main Guest House
3. New furniture to be provided for the new Library. The existing furniture to be given to the Central Museum of Engineering & Technology.
4. The mandatory penalties should be imposed by the CPWD on the defaulting contractors for slow progress of work. Arising out of the discussion on this issue, it was clarified that at the time of settlement of accounts only such funds will be finally released to the CPWD, as have been actually disbursed by them to the Contractors.

Any other item:

Item No. 9.3.6 (1) The Chairman gave the following ideas for Campus improvement:

- (a) The Institute be converted into a zero-garbage area by proper waste disposal i.e. organic waste separately and items which can be recycled separately plus Vermi composting of waste which lends itself easily to this process.
 - (b) Landscaping, for improving further the ambience of the campuses.
 - (c) Rainwater harvesting in consultation with the Central Ground Water Board.
 - (d) Procurement of 100/200 acres of land in Roorkee for developing a second campus.
- (2) Mr. S. P. Singh, Chief Engineer, CPWD gave a suggestion for planning a Central Sewage Scheme for the Institute.

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



APPENDIX 'A'

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
कार्यालय मुख्य अभियन्ता (उ०अ०-११)
केन्द्रीय भवन 'तृतीय तल',
अलीगंज, लखनऊ

पत्रांक - 23(308-ए)/अ०अभि० (नि०)/उ०अ०-११/पी०-११/
सेवा में,

14718-21 दिनांक 16/12/04

इंस्टीट्यूट इंजीनियर
इण्डियन इंस्टीट्यूट आफ टेक्नोलाजी
रुड़की।

विषय : फं० आफ फेकल्टी लाॅच एट आई०आई०टी० रुड़की- Recast Revised Preliminary Estimate

सन्दर्भ: आपका पत्र संख्या ITR/MS/B&WC/438 दिनांक 02.12.2004

उपरोक्त कार्य हेतु आई०आई०टी०, रुड़की के अनुरोध पर इस कार्यालय द्वारा पुनरीक्षित संशोधित प्रारम्भिक प्राक्कलन रू० 202 लाख हेतु आई०आई०टी० के सक्षम अधिकारी के अनुमोदनार्थ भेजा गया था।

2.0 उक्त प्राक्कलन पर दिनांक 22 नवम्बर, 2004 को आई०आई०टी० रुड़की की बिल्डिंग तथा वर्क्स कमेटी की विशेष बैठक में चर्चा की गई तथा आई०आई०टी० के उपरोक्त सन्दर्भित पत्र दिनांक 02.12.2004 द्वारा बैठक का कार्यवृत्त को लौ०नि०वि० को भेजा गया। कार्यवृत्त में उल्लेखित निर्देशों के अनुरूप रू० 202 लाख के पुनरीक्षित संशोधित प्राक्कलन में निम्न संशोधन किए गए हैं जिससे कि कार्य लागत रू० 174 लाख (मूल अनुमोदित लागत रू० 348 लाख का 50%) से कम रहे।

- i) मस्तीपरपण हाल (17.5 m x 35 m) की ऊँचाई अब 7.00 मीटर ही रखी गई है।
- ii) स्टेज के क्षेत्रफल को भी हॉल की प्रस्तावित चौड़ाई (17.5m) के अनुसार कम कर दिया गया है। स्टेज के छत की ऊँचाई अब 5.00 मीटर रखी गई है।

उपरोक्त संशोधनों के साथ कार्य की लागत अब रू० 173 लाख आ रही है।

3.0 बाउन्ड्री वॉल एवं लैंड स्कोपिंग हेतु प्राक्कलन अलग से भेजा जाएगा। वर्तमान प्राक्कलन में इन मदों को शामिल करने से पूर्ण कार्य की लागत रू० 174 लाख के अन्दर नहीं आ सकती। जहाँ तक फेकल्टी क्लब तथा जिमनेजियम का प्रश्न है, यह पुनः स्पष्ट किया जाता है कि पूर्व में भेजे गए रू० 202 लाख के प्राक्कलन के स्कोप में इन भवनों को शामिल नहीं किया गया था।

22/11/2004
4.0 दिनांक 22/11/2004 को हुई आई०आई०टी० के वर्क्स कमेटी की बैठक में लिए गए निर्णयों से कार्य के सलाहकार मैसर्स जसबीर साहनी को इस कार्यालय के पत्र संख्या 23(308-ए)/अ०अभि० (नि०)/उ०अ०-११/पी०-११/14441-44 दिनांक 10.12.2004 द्वारा अवगत करवा दिया गया है एवं अनसे कार्य के संशोधित LOP, वास्तुकीय एवं सरचनात्मक नक्शे जारी करने का अनुरोध किया गया है।

आपसे अनुसंध है कि रू० 173 लाख के पुनः पुनर्दीक्षित संशोधित प्रारम्भिक प्रायकालन को सक्षम अधिकारी की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति प्रदान की जाए।

How 16/11/04
कार्यपालक अभियन्ता (यो०-11)
उ०अ०-11, के०लो०नि०वि०, लखनऊ

प्रतिलिपि:

1. अधीक्षण अभियन्ता, देहरादून केन्द्रीय परिमण्डल, के०लो०नि०वि०, देहरादून को सूचनार्थ।
2. मैसर्स जसबीर साहनी एण्ड एसोसिएट्स, इन्दिरा गांधी नेशनल सेन्टर आफ आर्ट जनपथ, नई दिल्ली।
3. कार्यपालक अभियन्ता, रुड़की केन्द्रीय मण्डल, के०लो०नि०वि०, रुड़की को सूचनार्थ।
4. कार्य फाइल
5. गार्ड फाइल

कार्यपालक अभियन्ता (यो०-11)

**Revised Preliminary Estimate
GENERAL ABSTRACT**


Name of Work:- C/o Faculty Lounge at IIT, Roorkee

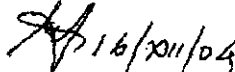
SL No.	Description of items	Original Estimate			Revised Estimate			Difference Excess/saving
		Civil	Electrical	Total	Civil	Electrical	Total	
1	Building work	27704039.00	4249683.00	31953722.00	14389257.00	1915850.00	16305107.00	15648615.00
2	Development of Site	1423272.00	--	1423272.00	730441.00	--	730441.00	692831.00
3	Bulk Services	--	1421400.00	1421400.00	--	216300.00	216300.00	1205100.00
Total		29127311.00	5671083.00	34798394.00	15119698.00	2132150.00	17251848.00	17546546.00


Say Rs. 348 lacs


Say Rs. 173 lacs

Say Rs. 175 lacs


A.E.(P)
CPWD, Lucknow


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


S.E.(P)
CPWD, Lucknow


Chief Engineer (NZ-II)
CPWD, Lucknow

Abstract of Original and Recast Revised Estimate

Name of Work:- C/o Faculty Lounge at IIT, Roorkee

Sl. No.	SH of estimate and items of work	Original Estimate				Recast Revised Estimate				Diff	Explanation
		Quantity	Rate	Unit	Amount	Quantity	Rate	Unit	Amount		
1	C/o Faculty Lounge comprising community center, faculty club and Guest House										
	a) Community center partly framed and partly load bearing	2000.00	2757.50	sqm	5515000.00						
	Community Center RCC framed structure					1154.00	2920.00	sqm	3369680.00		
	b) Faculty club partly load bearing and partly framed	1000.00	2702.50	sqm	2702500.00						
	c) Guest House 10 Nos. double beds suits load bearing single story	500.00	2375.00	sqm	1187500.00						
	Guest House block having 6 Nos. rooms RCC framed structure					528.00	2375.00	sqm	1254000.00		
					<u>9405000.00</u>				<u>4623680.00</u>		(A)
2	Extra for additional height Beyond 3.35 mtr. height										
	i) Community Center	2000.00	1520.83	sqm	3041660.00	613.00	1520.83	sqm	932269.00		(Av. Ht. 7.00 mtr.)
	(Av. Ht. 7.0 mtr)					171.00	687.50	sqm	117563.00		(Av. Ht. 5.00 mtr.)
						370.00	312.50	sqm	115625.00		(Av. Ht. 4.10 mtr.)
	ii) Faculty Club	1000.00	383.33	sqm	383330.00	---	---	---	---		
	(Av. Ht. 4.50 mtr.)										
	iii) Guest House	500.00	37.50	sqm	18750.00						
					<u>12848740.00</u>				<u>1165457.00</u>		(B)
									<u>5789137.00</u>		B.C. (A+B)
3	Extra for earth quake resistance										
	a) For partly framed and partly load bearing structure.	3500.00	217.50	sqm	761250.00						
	For RCC framed structure					1154.00	250.00	sqm	294500.00		
	For Load Bearing structure					528.00	185.00	sqm	97680.00		

Abstract of Original and Recast Revised Estimate

Name of Work:- C/o Faculty Lounge at IIT, Roorkee

SL No.	SH of estimate and items of work	Original Estimate				Recast Revised Estimate				Diff	Expanation
		Quantity	Rate	Unit	Amount	Quantity	Rate	Unit	Amount		
4	Extra for larger modules 80% of 3000 sqm.	2800.00	220.00	sqm	616000.00	490.00	220.00	sqm	107800.00		613 (80% of 1332)
5	Extra for Fire Fighting	3500.00	185.00	sqm	647500.00						
6	Internal W/S & S/I					5789137.00	15%	%	868371.00		
					<u>14873490.00</u>				<u>7157488.00</u>		
7	Extra for using										
	i) Marble flooring in D/Space, pantry, passage S/case, Entrance Suits and club etc.	1200.00	750.00	sqm	900000.00	250.00	550.00	sqm	137500.00		
	ii) Extra for superior finish tile flooring in floors and dado in toilets	250.00	1500.00	sqm	375000.00						
	iii) Polised kota stone in community center	1750.00	250.00	sqm	437500.00	500.00	250.00	sqm	125000.00		
8	Extra for superior quality accessories in toilets	20.00	15000.00	each	300000.00	12.00	15000.00	each	180000.00		
9	Extra for superior class external finish	1350.00	550.00	sqm	742500.00						
					<u>17628490.00</u>				<u>7599988.00</u>		
	Add C.I. @46% (For Roorkee) on item No 1 to 6				6841805.00				6370164.00		
					<u>24470295.00</u>				<u>13970152.00</u>		
	Add 3% contingencies				734109.00				419105.00		
					<u>27704039.00</u>				<u>14389257.00</u>		
					Total						

Abstract of Original and Recast Revised Estimate

Name of Work:- C/o Faculty Lounge at IIT, Roorkee

Sl. No.	SB of estimate and items of work	Original Estimate				Recast Revised Estimate				Diff	Explanation
		Quantity	Rate	Unit	Amount	Quantity	Rate	Unit	Amount		
	Civil Development Work										
1	Levelling	3500.00	10.95	sqm	38325.00	2000.00	10.95	sqm	21900.00		
2	Internal Roads and Paths	3500.00	33.95	sqm	118825.00	2000.00	33.95	sqm	67900.00		
3	Sewer Lines	3500.00	24.45	sqm	85575.00	2000.00	24.45	sqm	48900.00		
4	Filtered water supplying : Distribution line 100 mm dia	3500.00	17.90	sqm	62650.00	2000.00	17.90	sqm	35800.00		
5	Storm water drains	3500.00	29.20	sqm	102200.00	2000.00	29.20	sqm	58400.00		
6	Horticulture work	3500.00	18.25	sqm	63875.00	2000.00	18.25	sqm	36500.00		
7	Under ground sump capacity	100000.00	4.75	ltr.	475000.00						
8	Septic tank & Soak well			L.S.				L.S.	200000.00		
					<u>946450.00</u>				<u>469400.00</u>		
	Add CI @ 46% (For Roorkee) on item No. 1 to 7				<u>435367.00</u>			Add C.I. 89% (For Roorke) on Item 1 to 7	<u>239766.00</u>		
					<u>1381817.00</u>				<u>709166.00</u>		
	Add 3% contingencies				<u>41455.00</u>				<u>21275.00</u>		
				Total	<u>1423272.00</u>				<u>730441.00</u>		

Abstract of Original and Recast Revised Estimate

Name of Work:- C/o Faculty Lounge at IIT, Roorkee

Sl. No.	SH of estimate and items of work	Original Estimate				Recast Revised Estimate				Diff	Explanation
		Quantity	Rate	Unit	Amount	Quantity	Rate	Unit	Amount		
Electrical Work											
1	Internal electrical installation	14873490.00	12.50%	%	1859186.00	5789137.00	12.50%	%	723642.00		
2	Extra for using copper wiring	14873490.00	2.50%	%	371837.00	5789137.00	2.50%	%	144728.00		
3	Extra for Power points	14873490.00	4.00%	%	594940.00	5789137.00	2.00%	%	115783.00		
					2825963.00				984153.00		
	Add CI @46% (For Roorkee)				1299943.00	Add C.I. 89% (For Roorke)			875896.00		
					4125906.00				1860049.00		
	Add 3% contingencies				123777.00				55801.00		
					Total				1915850.00		
Bulk Services											
1	a) AC										
	i) D/B Room Suits	20.00	30000.00	each	600000.00						
	ii) D/Hall	4.00	30000.00	each	120000.00						
2	Geysers	20.00	5000.00	each	100000.00	7.00	5000.00	each	35000.00		
3	Approad lighting / fascia lighting		L.S.		100000.00		L.S.		75000.00		
4	Garden lights	20.00	8000.00	each	160000.00						
5	Power supply	60.00	5000.00	kw	300000.00	20.00	5000.00	kw	100000.00		
					1380000.00				210000.00		
	Add 3% contingencies				41400.00				6300.00		
					Total				216300.00		

-CE(NZ-II) OPWD LKO

-13-

91-522-2329356

17/12/2004 13:05

INDIAN INSTITUTE OF TECHNOLOGY (I.I.T) ROORKEE
PROGRESS OF ONGOING WORKS

Sl No	Name of Work	Estimated Cost (Rs. In lacs)	Date of Start	Probable date of completion	Date of completion as per Bar Chart	Expenditure upto 31.1.05 Rs. in lacs	Physical Progress	Remarks
1.	Construction of MS Faculty residences (28 Nos.) Phase I	521.00	13.8.03	31.5.05	30.11.04	260.00	Frame work completed brick work and finishing work in progress	Delay is due to change in drawings & part delay due to slow work by contractor. Action against contractor already initiated.
2.	Construction of MS Faculty residences (28 Nos.) Phase II	521.00	22.11.03	30.6.05	30.3.05	225.00	In front & back block slab L ₇ cast. In lift block slab L ₉ cast. Brick work & finishing work in progress.	Delay is due to slow work by the contractor. Action against contractor initiated. Contractor being pursued vigorously to make up the delay.
3.	Construction of Library Building	1200.00	26.2.04	30.10.05	30.10.05	130.00	Foundation completed Shuttering of lower ground floor in progress.	-
4.	Construction of Faculty Club & Community Centre	173.00	-	-	-	-	Sanction awaited.	-
5.	Construction of VVIP Guest House	235.00	15.11.03	30.5.05	28.2.05	80.00	Framework of block 2 & 3 is completed. Casting of L ₃ slabs in block 1 in progress.	Delay is due to late/improper drawings received from the consultant.
6.	Extension of Chemical Engg. Workshop	29.00	1.10.04	30.4.05	30.4.05	15.00	All roof slabs cast. 60% work completed.	
7.	Construction of NMR building	35.00	20.11.04	19.4.05	19.4.05	17.50	All roof slabs cast. Plaster in progress.	
8.	Extension of Mess/rooms in Sarojini Bhawan	25.00	1.12.04	31.5.05	31.5.05	12.50	40% work completed.	