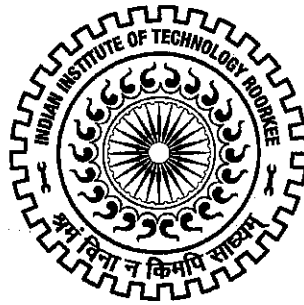


भवन एवं निर्माण कार्य समिति
की चौबीसवीं बैठक का कार्यवृत्त

**MINUTES OF THE 24TH MEETING OF THE
BUILDING & WORKS COMMITTEE**

14TH DECEMBER 2009



भारतीय प्रौद्योगिकी संस्थान रूड़की
रूड़की – 247 667 (भारत)
**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE - 247 667 (INDIA)**



Lt. Col A K Srivastava (Retd)
Registrar

भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की-247 667, उत्तराखण्ड, भारत

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE-247 667, UTTARAKHAND, INDIA

FAX : (91) 1332 - 285310, 273560

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

e-mail : regis@iitr.emet.in / anilsrivast@gmail.com

No.IITR/MS/24th B&WC /3083

Dated 18th December 2009

Subject: Recommendations (Minutes) of the 24th meeting of the Building and Works Committee held on 14th December 2009.

Enclosed herewith please find a copy of the recommendations (minutes) of the 24th meeting of the Building & Works Committee of this Institute held on 14th December 2009 for favour of information of the members and record. Members who attended the meeting are requested to kindly offer their comments, if any, within a week. 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:

18 DEC 2009

1. Prof. S.C. Saxena
Director, IIT Roorkee & IIT Mandi
(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. Ms. Seema Raj
Director (T), Govt. of India
Department of Secondary & Higher Education
Ministry of Human Resource Development
Shastri Bhawan,
New Delhi 110 001

5. Er. P.K. Jain
R-13/83, Raj Nagar
Ghaziabad
6. Er. M.S. Chandola
Dy. General Manager,
Uttaranchal Power Corporation Ltd.,
Roorkee - 247 667
7. Prof. Akhilesh Gupta
Department of Mechanical & Indl. Engg.
Indian Institute of Technology Roorkee
8. Prof. S.P. Gupta
Department of Electrical Engineering
Indian Institute of Technology Roorkee
9. Prof. G. Ramasamy
Department of Civil Engineering
Indian Institute of Technology Roorkee
10. Er. Salek Chand
Institute Engineer
Indian Institute of Technology Roorkee
11. Prof. Surendra Kumar
Dean, Finance & Planning
Indian Institute of Technology of Roorkee - Special Invitee
12. Lt. Col. (Retd) A. K. Srivastava
Registrar
Indian Institute of Technology Roorkee - Member Secretary

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



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24.2.1	To receive a report on the action taken to implement the decisions of the 22 nd Meeting of the Building & Works Committee of the Institute held on 18 th May 2009 and 23 rd Meeting (Special meeting) of the Building & Works Committee held on 10 th June 2009, respectively.	2
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**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
ROORKEE - 247 667**

Minutes of the 24th Meeting (urgent meeting) of the Building & Works Committee held on 14th December 2009 at 12.00 Noon in the Board 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 (Estate & Works) | - Member |
| 4. Prof. S.P. Gupta, Electrical Engineering Department | - Member |
| 5. Prof. Akhilesh Gupta, Mechanical & Indl. Engg. Deptt. | - Member |
| 6. Prof. G. Ramasamy, Civil Engineering Department | - Member |
| 7. Er. Salek Chand, Institute Engineer | - Member |
| 8. Lt. Col. (Retd) A.K. Srivastava, Registrar | - Member Secretary |

Due to pre-occupation, the under-mentioned members could not attend the meeting of the B&WC:

1. Er. P.K. Jain
R-13/83, Raj Nagar
Ghaziabad
2. Er. M.S. Chandola
Dy. General Manager,
Uttaranchal Power Corporation Ltd.,
Roorkee - 247 667

The Chairman, Building & Works Committee (B&WC), extended a hearty welcome to the members attending the 24th meeting (urgent meeting) of the B&WC.

Deliberations:

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

Item No. 24.1.1: To confirm the minutes of the 22nd Meeting of the Building & Works Committee held on 18th May 2009 and 23rd Meeting (Special meeting) of the Building & Works Committee held on 10th June 2009, respectively.

Having received no comments, the minutes of the above meetings as recorded and circulated, were confirmed.

Item No. 24.2.1 To receive a report on the action taken to implement the decisions of the 22nd Meeting of the Building & Works Committee of the Institute held on 18th May 2009 and 23rd Meeting (Special meeting) of the Building & Works Committee held on 10th June 2009, respectively.

Action taken to implement the decisions of the 22nd meeting of the Building & Works Committee held on 18th May 2009 and 23rd Meeting (Special meeting) of the Building Works Committee held on 10th June 2009, respectively, as given on pages 2-4 of the agenda note were noted.

Item No.: 24.3.1: To consider the estimates and detailed project report of Storm Water drainage system with ground water recharging and implementing Sewerage scheme alongwith STP and recycling of treated effluent for Saharanpur Campus and Roorkee Campus.

A detailed presentation was made by the representatives of the NBCC before the Committee. They replied to all the questions raised by the members on the floor. After detailed discussion, the B&WC decided that the issue be examined technically by an Institute Committee and again placed before the B&WC for consideration.

Item No.24.3.2: To consider the estimate of Rs.3.82 crores for Solar Water Heating and Lighting System in various Multistoried Buildings for IIT Roorkee.

The B&WC decided that the work for Solar Water Heating and Lighting System in various

Multistoried Buildings be assigned to the NBCC Ltd. at the estimated cost of Rs.3.82 crores with the following observations (**Appendix 'A'**):

1. Provision for operation & maintenance upto one year be included in the contract by the NBCC.
2. Beyond one year, the operation and maintenance should be outsourced.

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

Item No. 24.3.3: To consider the estimate of Rs.34,22,490.85 for the construction of an Electric Sub Station at Saharanpur Campus.

The B&WC decided that the work for construction of an Electric Sub Station at Saharanpur Campus be assigned to the U.P. Rajkiya Nirman Nigam Ltd. at the estimated cost of Rs.34,22,490.85 (**Appendix 'B'**). The issue be placed before the Finance Committee and the Board of Governors for according administrative approval and expenditure sanction.

Item No.24.3.4: To consider the estimate of Rs.16,61,217.11 for construction of Boundary Wall of the Boys' Hostel block at Saharanpur Campus.

The B&WC decided that the work for construction of Boundary Wall of the Boys' Hostel block at Saharanpur Campus be assigned to the U.P. Rajkiya Nirman Nigam Ltd. at the estimated cost of Rs.16,61,217.11 (**Appendix 'C'**). The issue be placed before the Finance Committee and the Board of Governors for according administrative approval and expenditure sanction.

Item No. 24.3.5: To consider the preliminary estimate of Rs.42.32 lacs for construction of Dining Hall in the Trainee Officers Hostel, Continuing Education Centre.

The B&WC decided that the work for construction of Dining Hall in the Trainee Officers Hostel, Continuing Education Centre be assigned to

the U.P. Rajkiya Nirman Nigam Ltd. at the estimated cost of Rs.42.32 lacs (**Appendix 'D'**). The issue be placed before the Finance Committee and the Board of Governors for according administrative approval and expenditure sanction.

Item No.24.3.6: To consider the estimate of Rs.594.75 lacs for Electric sub stations and DG Sets in various Multistoried Buildings being constructed by the NBCC Ltd. for IIT Roorkee.

The B&WC decided that the work for Electric Sub Stations and DG Sets in various Multistoried Buildings being constructed by the NBCC Ltd. for IIT Roorkee be assigned to the NBCC Ltd. at the estimated cost of Rs.594.75 lacs (**Appendix 'E'**). The issue be placed before the Finance Committee and the Board of Governors for according administrative approval and expenditure sanction.

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

NATIONAL BUILDINGS CONSTRUCTION CORPORATION LTD.

(A Govt. of India Enterprise)
COMMITTED TO CUSTOMER'S DELIGHT

66/1, Ravindra Lok
Karam Path IITCampus
Roorkee-247667

No. NBCC/ Roorkee/IIT/CL (01)/2009 / 617

Date: 23.11.2009

The Institute Engineer, (E&W)
Indian Institute of Technology,
I.I.T Campus,
Roorkee - 247667

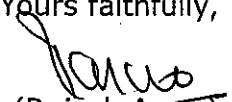
SUB: Construction of various Multistoried Buildings for IIT, Roorkee - estimate for Solar Water heating and Lighting system.

Dear Sir,

Please find enclosed herewith the estimate for Solar water heating & Lighting system for Boys Hostel, Girls Hostel, Staff Accommodation & Biotechnology Building and Solar Lighting for Lecture Hall Complex; aggregating to Rs. 3.82 crores for needful approval please.

Thanking You

Yours faithfully,


(Rajesh Arora)
AGM (Engg.)

Encl: As above

Copy for information to:

1. The GM (Engg.), Head DZ, NBCC Ltd., Pragati Vihar, New Delhi - 110003.

AGM (Engg.)

AECE/MS / Next B&WC file


24/11/09
Institute Engineer

**ADDITIONAL BUILDING WORKS AT IIT ROORKEE
SUMMARY OF SOLAR WATER HEATEING & LIGHTING WORKS (figures in Rs)**

Sl. No.	Description	Schedule Items	Non Schedule Items
BOYS' HOSTEL			
1	SOLAR WATER HEATEING SYSTEM		
2	SOLAR LIGHTING SYSTEM	866,748.00	5,385,572.00
	TOTAL		1,350,000.00
BIOTECHNOLOGY DEPARTMENT			
1	SOLAR WATER HEATEING SYSTEM		
2	SOLAR LIGHTING SYSTEM	170,493.80	2204000.00
	TOTAL		1050000.00
GIRLS' HOSTEL			
1	SOLAR WATER HEATEING SYSTEM	170,493.80	3,254,000.00
2	SOLAR LIGHTING SYSTEM		
	TOTAL	366,802.40	7,117,236.00
STAFF ACCOMMODATION - I			
1	SOLAR WATER HEATEING SYSTEM	366,802.40	1,875,000.00
2	SOLAR LIGHTING SYSTEM		8,992,236.00
	TOTAL	543,880.60	3,600,000.00
STAFF ACCOMMODATION - II			
1	SOLAR WATER HEATEING SYSTEM	543,880.60	2,550,000.00
2	SOLAR LIGHTING SYSTEM		6,150,000.00
	TOTAL	543,880.60	3,600,000.00
LECTURE THEATRE COMPLEX			
1	SOLAR LIGHTING SYSTEM	543,880.60	2,550,000.00
	TOTAL (A)		6,150,000.00
	Add escalation @13% on Schedule Items		300,000.00
	Total	2,491,805.40	31,581,808.00
	TOTAL (B)	323,934.70	
	Add contingencies @ 1% on (B)		
	Add NBCC charges @ 10% on (B)	2,815,740.10	34,397,548.10
	GRAND TOTAL	343,975.48	3,439,754.81
		38,181,278.39	Say Rs. 3.82 Crores

उत्तर प्रदेश राजकीय निर्माण निगम लिमिटेड

(राज्य सरकार का उपक्रम)
(ISO 9001:2000 CERTIFIED)

कैम्प कार्यालय,
आई०आई०टी० परिसर,
गंगा अवन होस्टल,
रुड़की (हरिद्वार)



कार्यालय इकाई प्रभारी
87/26 उत्तरी सिविल लाइन
रोडवेज बस स्टैंड के सामने,
मुजफ्फरनगर

पत्रांक... 508/R.M.N./F50/09.

दिनांक... 2-1-09...

TO,

The Institute Engineer,
I.I.T
ROORKEE.

Dear Sir,

Kindly find enclosed herewith an estimate for the construction of sub station at DPT campus Saharanpur amounting to Rs:34,22,409-85 for your kind information and necessary action at Your end.

Thanking You,

Encls: as above,

Yours,


[S.K.Jain]
Project Manager.

U.R.N.N.Ltd I.I.T Campus Cautelay Bhawan Hostel I.I.T.TRoorkee
Name of work :- Construction of Sub- Station in campus of D.P.T Saharanpur
Abstract of Cost

S.No	Particular of Item	Plinth area	Rate	Amount
(1)	Construction of Sub station at D.P.T Campus saharanpur Ground Floor Plinth Area	309.56 M ²	Rs 10,101.31	Rs 31,26,961.52
(2)	Add for Brick Coba treat ment Over roof etc complete	293.21M2	Rs 355.00	Rs 1,04,089.55
				<u>Rs 32,31,051.07</u>
(3)	Less 5 % Due to U.P.R.N.N.Ltd Working	(-)		Rs 1,61,552.55
				<u>Rs 30,69,498.52</u>
(4)	Add 11.5 % U.P.R.N.N.Ltd Centage Charges	(+)		Rs 3,52,992.33
				<u>Rs 34,22,490.85</u>
				Say Rs 34.22 Lacs


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


Project Manager
U.P.R.N.N.Ltd

उत्तर प्रदेश राजकीय निर्माण निगम लिमिटेड

(राज्य सरकार का उपक्रम)
(ISO 9001:2000 CERTIFIED)

कैम्प कार्यालय,
आई.आई.टी. परिसर,
गंगा भवन होस्टल,
रूड़की (हरिद्वार)



कार्यालय इकाई प्रभारी
87/26 उत्तरी सिविल लाइन
रोडवेज बस स्टैंड के सामने,
मुजफ्फरनगर

पत्रांक... 464/R.NM/P-50/09.

दिनांक... 22.8.09

TO,

THE Institute Engineer,

I.I.T, Roorkee.

Sub: Estimate of Boudnry wall of DPT campus Saharanpur.

Dear Sir,

Kindly find enclosed herewith an estimate of Boundry wall of DPT campus Saharanpur for Rs: 16,61,217.11 for your kind information and with the request to kindly sanction the enclosed estimate and for allotment of funds to Nirman Nigam .

Thanking You,

Encls/as above.

Yours Faithfully,

[S.K.Jain]
Project Manager.

U.P.R.N.N.Ltd I.I.T Campus Cautelay Bhawan I.I.T Roorkee

Name of work: - Construction of D.P.T Boys Hostel Boundary Wall work at

D.P.T Campus Saharanpur (U.P)

Summary of cost

<i>S.No</i>	<i>Particular of item</i>	<i>Amount</i>
-------------	---------------------------	---------------

(1)Construction of D.P.T Boys Hostel Block Boundary wall work With

Including Excavation, P.C.C1:5:10, Brick work1:6, brick work 1:4,

Plaster1:6. Painting, with M.S Grill, M.S gate, brick Tile Cladding

etc complete

Rs 16,61,217.11

Say Rs 16.61 Lacs


A.R.E

U.P.R.N.N.Ltd


Project Manager

U.P.R.N.N.Ltd

U.P.R.N.N.LtdCamp office Cautelay bhawan Hostel Block at I.I.T Roorkee
Name of work: - Construction of Continuing Education Deptt Dining Hall in
Campus of I.I.T Roorkee

Abstract of Cost

S.No	Particular of Item	Plinth Area	Rate	Amount
(1) Construction of Dining Hall Building				
In continuing education deptt				
(a)	Ground Floor Plinth Area	306.11M ²	Rs 10,250.66	Rs 31,37,829.53
(b)	First Floor Plinth Area	9.93M ²	Rs 9,109.15	Rs 90,453.86
(2) Supply & Fixing Kota stone Flooring Over coarse sand Mortar with mix 1:4 Including supply of all materials lab ourT&P etc complete				
		61.45 M ²	Rs (680.00-240.00) (Difference of rate)	Rs 27,038.00
(3)Supply & Fixing Vitrified NITCO make tile 600mmx600mm 10mm thick over 20mm thick mix 1:4 mortar (cement ,Acoarse sand)and joint finished with cement slurry including supply of all materials labourT&P etc complete				
		254.77M ²	Rs ^{930.00} (1100.00 - 240.00) Difference of rate	Rs ^{175793.00} 2,80,247.00
(4) Supply & fixing 125mmx75mm thick Malsiya salwood Chaukhats door/window Frame with hold fast etc complete including Supply of all materials labour T& Complete For proper completion of work				
		2.98 M ²	Rs 45000.00 PM ³	Rs1,34,100.00
(5) Supply & fixing 35mm thick Teak wood Door with 12mm thick teak ply water proof shutter with all necessary fitting including supply of all materials labour T&P etc complete				
		27.51 M ²	Rs (3500.00 - 1050.0) Diffrence of rate	Rs 67,399.50
(6)Supply & fixing 35mm thick Teak wood mosquito Proof Jali Door/ Glass shutter with all materials labour T&P etc complete				
		85.67M ²	Rs 3000.00 Per Sqm	Rs 2,57,010.00
				Rs 30,94,077.89 3889623.89

DDP
RAO

3889623.89
B/F Rs 39,94,077.89

(7) Brick coba Treatment over roof of
100mm thick average depth with i/c
Costing of all materials labour T&P
Etc complete 297.42M² Rs 355.00

Rs 1,05,584.10

(8) Less 5 % Due to U.P.R.N.N.Ltd Working (-)

~~3995257.99~~

Rs 40,99,661.99

Rs 2,04,983.09

199760.35

Rs 38,71,878.55

(9) Add 11.5 % U.P.R.N.N.Ltd Centage Charges (+)

Rs 4,47,889.07

42,86,767.62

Rs 43,42,566.97

Say Rs 43.43 Lacs

42.32 Lacs


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


Project Manager
U.P.R.N.N.Ltd

**SUBSTATION BUILDINGS & ELECTRICAL WORKS
SUMMARY OF COST**

		(Amount Rs. In Lacs)	
S. No.	DESCRIPTION	COST OF SCHEDULED ITEMS	COST OF SCHEDULED ITEMS
A.	SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF DG SETS:		
1	LECTURE HALL COMPLEX: 125 KVA	1.44	26.77
2	BOYS HOSTEL: 250 KVA	1.54	40.58
3	STAFF ACCOMMODATION - II: 1X125 KVA DG SET	1.44	26.77
B.	SUBSTATION BUILDINGS AND ELECTRIC INSTALLATIONS:		
1	BIOTECH BUILDING: 2X800 KVA TRANSFORMER & 1X250 KVA DG SET	30.00	109.60
2	STAFF ACCOMMODATION - I: 2X500 KVA TRANSFORMER & 1X125 KVA DG SET	35.10	102.97
3	GIRLS HOSTEL: 2X500 KVA TRANSFORMER & 1X250 KVA DG SET	30.00	107.17
	TOTAL (A)	99.52	413.86
	Add contingencies @13% on (A) as per CPWD Circular	12.94	—
	TOTAL	112.46	413.86
	TOTAL OF SCHEDULED & NON SCHEDULED ITEMS (B)	526.32	
	Add Contingencies @ 3% on (B)	15.79	
	Add Agency Charges @ 10% on (B)	52.63	
	GRAND TOTAL	594.74	