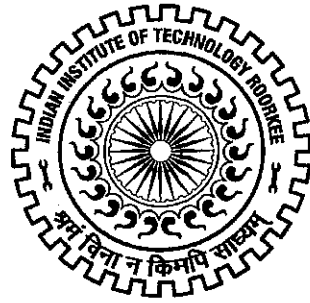


**भवन एवं निर्माण कार्य समिति
की ग्यारहवीं बैठक का कार्यवृत्त**

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

30TH NOVEMBER 2005



भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की — 247 667 (भारत)

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



Lt Col A K Srivastava (Retd)
Registrar

भारतीय प्रौद्योगिकी संस्थान रुड़की
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No.IITR/MS/11thB&WC/2005/638
Dated 15th December 2005

Subject: Recommendations (Minutes) of the 11th meeting of the Building & Works Committee held on 30th November 2005.

Sir,

Enclosed herewith please find a copy of the recommendations (minutes) of the 11th meeting of the Building & Works Committee of this Institute held on 30th November 2005 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

1. Prof. Prem Vrat
Director
Indian Institute of Technology, Roorkee
(Chairman)
2. Er. O.P. Bhatia
Chief Engineer, C.P.W.D.
Kendriya Bhawan
III Floor, Sector K, Aliganj
Near Purana Chauraha
Lucknow (U.P.)

3. Mrs. Irina Garg
Director (T)
Govt. of India
Department of Secondary & Higher Education
Ministry of Human Resource Development
Shastri Bhawan, New Delhi 110 001
4. Er. R.K. Jain,
Dy. General Manager,
Uttaranchal Power Corporation Ltd.,
Roorkee - 247 667
5. Prof. V.K. Gupta
Chairman, Estate & Works
Indian Institute of Technology Roorkee
6. Prof. S.C. Solanki
Department of Mechanical & Indl. Engg.
Indian Institute of Technology Roorkee
7. Prof. H.O. Gupta
Department of Electrical Engineering
Indian Institute of Technology Roorkee
8. Prof. N.M. Bhandari
Department of Civil Engineering
Indian Institute of Technology Roorkee
9. Dr. Ajai Gairola
Institute Engineer
Indian Institute of Technology Roorkee
10. Prof. S. Ray
Dean Administration
Indian Institute of Technology Roorkee
-Permanent Invitee
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
-Member- Secretary

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE - 247 667



INDEX

Item No.	Particulars	Page(s) No.
11.1.0	Confirmation of the minutes of the 10 th meeting of the Building and Works Committee (B&WC) held on 1 st July 2005.	2
11.2.0	Action taken report on the minutes of the 10 th meeting of the B&WC held on 1 st July 2005.	2
11.3.0	<u>ITEMS FOR CONSIDERATION</u>	
	11.3.1 To consider the Preliminary Estimate amounting to Rs.86.48 crores as submitted by EIL, New Delhi for Development of the Greater Noida Extension Centre.	2
	11.3.2 To consider the Preliminary Estimate for the construction of 75 rooms in Ganga Bhawan amounting to Rs. 77.25 lacs.	4
	11.3.3 To consider the Preliminary Estimate amounting to Rs. 23.12 lacs for conversion of the Old Teachers' Hostel into a Girls' Hostel	4
	11.3.4 To consider the Preliminary Estimate amounting to Rs. 5.00 lacs for extension of the Information Superhighway Centre	4
	11.3.5 To consider the Preliminary Estimate amounting to Rs. 15.00 lacs for replacement of a certain portion of the sewer line in the Azad Wing- Niti Nagar area.	4
	11.3.6 To consider the proposal for engaging one J.E. (Horticulture) on contract, for the Estate & Works Division, IIT Roorkee to look after the lawns and gardens in Departments and Hostels, chargeable to the Non-Plan grant of the Institute.	5

11.3.7 Progress report of the on going Major Works.	5
11.3.8 To consider the matter related to construction of the New Boys' Hostel	6
11.3.9 To consider the status report on the Central Museum of Engineering and Technology.	6
App. 'A' Preliminary Estimate for Rs. 21.75 lacs	7-8
App. 'B' Preliminary Estimate for Rs. 5.00 lacs	9
App. 'C' Preliminary Estimate for Rs. 15.00 lacs	10
App. 'D' Progress Report	11

Minutes of the 11th meeting of the Building & Works Committee held on 30th November 2005 at 11.00 A.M. in the Board Room of the Institute.

The following were present:

- | | | |
|----|--|--------------------|
| 1. | Prof. Prem Vrat, Director | - Chairman |
| 2. | Er. O.P. Bhatia, Chief Engineer, CPWD, Lucknow | - Member |
| 3. | Er. R.K. Jain, Dy. G.M., UPCL, Roorkee | - Member |
| 4. | Prof. V.K. Gupta, Chairman, E&W | - Member |
| 5. | Prof. S.C. Solanki, Mech. & Indl. Engg. Department | - Member |
| 6. | Prof. H.O. Gupta, Electrical Engg. Department | - Member |
| 7. | Prof. N.M. Bhandari, Civil Engineering Department | - Member |
| 7. | Dr. Ajay Gairola, Institute Engineer | - Member |
| 8. | Lt. Col. (Retd) A.K. Srivastava, Registrar | - Member-Secretary |

Er. Salek Chand, Executive Engineer, PWD, Dehradun attended the meeting on invitation.

Due to pre-occupation, Dr. S.P. Gupta, Professor-in-Charge Planning, could not attend the meeting.

The Chairman, Building & Works Committee, welcomed the members to the 11th Meeting of the Committee.

Before taking up the agenda items, the Committee thanked the under-mentioned outgoing members and recorded its appreciation for their valuable contribution in the meetings of the Committee.

1. Er. S.P. Singh
Ex-Chief Engineer, C.P.W.D.
Lucknow (U.P.)
2. Er. Prahlad Singh,
Ex- Dy. G. M.,
Uttaranchal Power Corporation Ltd.,
Roorkee - 247 667
3. Er. Salek Chand,
Ex-Institute Engineer

The Committee also welcomed the under-mentioned new members and expressed hope for their valuable contribution and active participation in its functioning.

1. Er. O.P. Bhatia
Chief Engineer, C.P.W.D.
Lucknow (U.P.)
-

2. Mrs. Irina Garg
Director (T),
Govt. of India,
MHRD, New Delhi 110 001
3. Er. R.K. Jain,
Dy. General Manager,
Uttaranchal Power Corporation Ltd.,
Roorkee - 247 667
4. Dr. Ajay Gairola,
Institute Engineer

Deliberations:

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

Item No. 11.1.0 Confirmation of the minutes of the 10th Meeting of the Building & Works Committee held on 1st July 2005.

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

Item No. 11.2.0 Action taken Report on the minutes of the 10th Meeting of the Building & Works Committee held on 1st July 2005

Actions taken on the minutes of the above meeting, as given on page 2-4 of the agenda note were noted.

Item No. 11.3.1 To consider the Preliminary Estimate amounting to Rs.86.48 crores as submitted by EIL, New Delhi for Development of the Greater Noida Extension Centre.

At the outset, the representative of the Engineers India Ltd. (EIL), New Delhi made a detailed presentation, on the proposed Extension Centre of the IIT Roorkee at Greater Noida. After consideration of and detailed deliberations on the presentation made by the representative of the EIL, the Building and Works Committee decided that the revised estimate for Development of the Greater Noida Extension Centre on the basis of present needs, should be prepared by the EIL, as per the under-mentioned observation/guidelines:

- (a) Convention Centre, Incubation Centre, Guest House, Faculty Rooms, Class Rooms for Continuing Education Programmes, Administrative & Liaison Office, and Security Office should be made in Phase-I.

- (b) Boys Hostel and Group 'A' Officers/Faculty accommodation be made in Phase-II.
- (c) Girls Hostel should be made in Phase-III.
- (d) Development work should also be phased.
- (e) Accommodation required for the essential core subordinate staff be made in an area other than the location of the Group 'A' Officers/Faculty accommodation.
- (f) The entire cost of the project be frozen, and service charges be fixed once for all, once the cost is frozen.
- (g) A three percent margin should be kept in the area of ground coverage, i.e. the ground coverage should be 27%, instead of the maximum permissible 30%.
- (h) The possibility of reduction of cost exists in the Guest House and the Incubation Centre building, which may be looked into and the cost reduced, accordingly.
- (i) The money generated through Phase-I activities, should be utilized for Phases II & III.
- (j) Energy conservation should be adequately catered for.
- (k) The extra cost of Kota Stone flooring and brick cladding should be calculated on the basic cost. Termite Proof Treatment, the cost of fire fighting equipment and the cost of services should not be taken into consideration for arriving at the cost of such flooring/cladding.
- (l) Lump sum estimates should not be given for generators, etc. The actual cost should be given in the estimates.
- (m) The overall project cost should be reduced.
- (n) Service Charges will be 7% of the frozen project cost + 10.2% Service Tax on the service charges.
- (o) A detailed presentation, along with the revised drawings, revised estimates based on the Delhi Schedule of Rates of the CPWD, and the phase wise plan of work, be made by the EIL, in the next meeting of the Board.

Item No.11.3.2 To consider the Preliminary Estimate amounting to Rs. 77.25 lacs for the construction of 75 rooms in Ganga Bhawan.

After discussion, the Committee decided that the Preliminary Estimate amounting to Rs. 77.25 lacs as submitted by the Institute Engineer for construction of 75 additional single seated rooms in the Ganga Bhawan Complex, be accepted in principle with the proviso that the detailed estimates based on plinth area rates and the drawings be prepared and placed before the FC/BOG for specific approval for approval.

Item No. 11.3.3 To consider the Preliminary Estimate amounting to Rs. 23.12 lacs for conversion of the Old Teachers' Hostel into a Girls' Hostel.

After discussion, the Committee decided that the Preliminary Estimate amounting to Rs.23.12 lacs as submitted by the Institute Engineer for conversion of the Old Teachers' Hostel into a Girls' Hostel as given at **Appendix 'A'**, be accepted with the proviso that the additional contingency be charged @ 3% instead of 5%.The same be placed before the FC/BOG for approval.

Item No.11.3.4 To consider the Preliminary Estimate amounting to Rs.5.00 lacs for extension of the Information Superhighway Centre

After discussion, the Committee decided that the Preliminary Estimate of Rs.5.00 lacs for extension of the IMG laboratory in the Information Superhighway Centre as given at **Appendix 'B'** be approved.

Item No.11.3.5 To consider the Preliminary Estimate amounting to Rs.15.00 lacs for replacement of a certain portion of the sewer line in the Azad Wing- Niti Nagar area.

After discussion, the Committee decided that the Preliminary Estimate amounting to Rs.15.00 lacs for replacement of a certain portion of the sewer line in the Azad Wing- Niti Nagar area (**Appendix 'C'**) be accepted. The same be placed before the FC/BOG for specific approval.

Item No.11.3.6 To consider the proposal for engaging one J.E. (Horticulture) on contract, for the Estate & Works Division, IIT Roorkee to look after the lawns and gardens in Departments and Hostels, chargeable to the Non-Plan grant of the Institute.

After discussion, the Committee decided that the proposal for engaging one J.E. (Horticulture) on contract basis at a consolidated remuneration of Rs. 8,000/- p.m., chargeable to the Non-Plan Grant of the Institute, be accepted. The qualifications for the same will be the same as specified in the Modified Assured Career Progression Scheme, which are reproduced below:

Master's degree in Botany with one year of relevant experience.

OR

Bachelor's degree in Botany with three years of relevant experience.

Item No. 11.3.7 Progress report of the on going Major Works.

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

1. The Chief Engineer, CPWD, North Zone II, Lucknow may be informed that;
 - (a) The Construction of 28 Nos. MS Faculty residences: Phase-II be completed by 15.1.2006.
 - (b) The construction work of the Community Centre should be started from 1.1.2006 and the same be completed by 31.10.2006.
2. The probable date of completion of the Library Building should be ascertained realistically.
3. Maintenance of the MS Faculty residences, should be the highest priority.
4. The Main Guest House should be completed by 30th January 2006.
5. In future works, no labour colony should be permitted on the Campus. This condition to be included in the NIT.
6. The newly constructed MS Faculty Apartments be named '~~HILL VIEW APARTMENTS~~'.

Under Any other item:

Item No.11.3.8 To consider the matter related to construction of the New Boys' Hostel

The Chairman, E & W informed the B&WC that the site for construction of the New Boys' Hostel has been changed to a site near the Ganga-Cautley Bhawan Mess. The B&WC decided that the number of rooms be reduced to 375, but the hostel should have an integral mess. CPWD be requested to reframe the estimates, accordingly. Further, the Nirman Nigam may also be requested to submit the estimate for construction of the said Hostel. The matter be placed before the Finance Committee/Board of Governors for according administrative approval, once the said estimates are made available by the two agencies.

Item No. 11.3.9 To consider the status report on the Central Museum of Engineering and Technology.


Lt. Col. A.K. Srivastava, Registrar and Secretary of the Project Monitoring Group for the Central Museum of Engineering & Technology briefed the committee about the progress of the Museum. After discussion, the Committee decided that a local Architect may be engaged as a consultant to make out the plans for the modifications that would have to be made to the Existing Library Building, to convert it into the said Museum.

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

Appendix 'A'
Item No.11.3.3

Preliminary Estimate for the Modification of old Teachers Hostel to convert into the Girls Hostel for 120 Girls.

Sl. No.	Proposed Items	Qty.	Rate	Amount
1.	Modification of existing old teachers Hostel to convert into the Girls Hostel by providing security windows, pelmet and by replacing the damaged floors etc. having 30 flats.	30	Rs.50,000 Per flat (L.S.)	Rs. 15,00,000.00
2.	Construction of outside Boundary wall 8 Ft. High i/c Security grills made from M.S. Iron Qty.= 21.00 RM in each flat i.e. 21.00 x 15	315 R.M	Rs. 800.00 Per R.M.	Rs. 2,52,000.00
3.	Supply of furniture i.e. bed, Study table, Tea Table, Chair etc.	120 Sets	Rs. 3000.00 Per Sets	Rs. 3,60,000.00
	Add Contingencies 3%			Rs. 21,12,000.00 Rs. 6,3360.00
			Total	Rs. 21,75,360.00
			Say	Rs. 21.75 lacs


 (Sharwan Kumar)
 Asstt. Executive Engineer-I

**EASTATE & WORKS
INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE**

**Details of Items ad Expenditure required for conversion of
Old Teacher Hostel into Girls Hostel.**

Sl.No.	Name of Work	Qty	Rate	Amount
1.	Palmet Work 1 x 3 x 1.80 = 5.40	5.40 RM	183.00 per RM	988.00
2.	Steel Window i/c Gard bar & fixed Jali 1 x 3 x 1.20 x 1.20 = 4.32 Sq.M.	4.32 Sq.M	1750.00 per Sq.M.	7560.00
3.	Replacement of worn-out P.C.C. floor into Mosaic floor. 1 x 5.00 x 4.00 = 20.00 1 x 4.00 x 3.00 = 12.00 1 x 4.00 x 3.50 = 14.00 46.00 Sq.M.	46.00 Sq.M.	250.90 per Sq.M.	11,541.40
4.	Providing steel Alu. Shutter 1 x 3 x 1.25 x 2.05 = 7.70 Sq.M.	7.70 Sq.M.	1095.00 per Sq.M.	8431.50
5.	Replacement of worn-out Jali door/Flush door i/c fitting 1 x 6 = 6 Sq.M.	6.00 Sq.M.	1147.00 per Sq.M.	6882.00
6.	Providing looking Mirror 4 Nos.	4.00 Nos	274.00 each	1096.00
7.	Genral Plaster repair work/wood work.	One Flat	5000.00 each	5000.00
8.	White Wash/Painting Work	One Flat	2500.00 each	2500.00
9.	Extra Electric Fan/Elect.Point for Computer.	One Flat	6000.00 each	6000.00

Total Rs. = 50,000.00

Amount for one Flat

= Rs. 50,000.00


Asst. Executive Engineer


J.E.B.

Appendix 'B'
Item No.11.3.4

Preliminary Estimate for the Extension of I.S.C. Building

Sl. No.	Proposed Items	Qty.	Rate	Amount
1.	<p>Extension of I.S.C. Building</p> <p>Plinth Area of G.F. $1 \times 10.83 \times 3.91 = 42.35M^2$ $\frac{1}{2} \times 10.37 \times 0.61 = 3.16 M^2$ $\frac{1}{2} \times 4.56 \times 3.88 = 8.85 M^2$</p> <hr/> <p align="right">54.36 M²</p> <p>Plinth Area of F.F. $1 \times 10.83 \times 3.91 = 42.35M^2$ $\frac{1}{2} \times 10.37 \times 0.61 = 3.16 M^2$</p> <hr/> <p align="right">45.51 M²</p>	<p>54.36 M²</p> <p>45.51 M²</p>	<p>Rs.5182.00 Per M²</p> <p>Rs.4727.00 Per M²</p>	<p>Rs. 281693.52</p> <p>Rs. 215125.77</p> <hr/> <p>Rs. 496819.29</p> <p>Say Rs. 5.00 lacs</p>

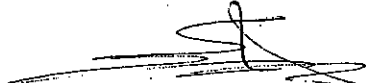
Ram
2/2 (c)

SA
AEE-I 29/11/2015

Appendix 'C'
Item No.11.3.5

Preliminary Estimate for the Sewer line

Sl. No.	Proposed Items	Qty.	Rate	Amount
1.	Replacement of old existing Sewer line of lower diameter with 16 inch dia R.C.C. Hume pipe i/c earth work, P.C.C, R.C.C. pipe collers, main Holes & its cover.	1200 R.M.	Rs. 1200.00 Per R.M.	Rs. 14,40,000.00
	Add 3 % Contingencies			Rs. 43,200.00
			Total	Rs. 14,83,200.00
				Say Rs. 15.00 lacs


 (Sherman Kumar)
 Asstt. Executive Engg. I

INDIAN INSTITUTE OF TECHNOLOGY (I.I.T) ROORKEE**PROGRESS OF ONGOING WORKS (As on 25.11.2005)**

Sl No	Name of Work	Estimated Cost (Rs. in lacs)	Date of Start	Date of completion as per Bar Chart	Probable date of completion	Expenditure upto 25.11.05 Rs. in lacs	Physical Progress	Remarks
1.	Construction of MS Faculty residences (28 Nos.) Phase I	521.00	13.08.03	30.11.04	Completed	523.00	Work completed.	The Building has been handed over to the Institute on 25.11.2005.
2.	Construction of MS Faculty residences (28 Nos.) Phase II	521.00	22.11.03	30.03.05	31.12.05	439.00	Minor finishing work in progress on all floors.	-
3.	Construction of Library Building	1200.00	26.02.04	30.12.05	30.03.06	372.00	Terrace floor slab casted internal and external finishing in progress.	-
4.	Construction of Community Centre	173.00	-	-	-	-	Tender re-invited on 17.11.05. Tender accepted for Rs. 1.25 crores (approx.). Work to start soon.	-
5.	Construction of Main Guest House	235.00	15.11.03	30.03.05	30.01.06	173.00	External & Internal finishing in progress.	-
6.	Extension of Dining Hall of Sarojini Bhawan	10.00	01.05.05	31.08.05	31.08.05	10.00	Work completed.	
7.	Construction of new Sub-stations and strengthening of existing Sub-stations.	370.00	10.06.05	09.12.05	09.12.05	315.00	90% work completed.	
8.	Re-construction of Roads	125.00	20.05.05	19.10.05	19.10.05	122.00	Work completed	