

भवन एवं निर्माण समिति
की चवालीसवीं बैठक का कार्यवृत्त

**MINUTES OF THE 44th MEETING OF THE
BUILDING & WORKS COMMITTEE**

24 मार्च 2021
24th MARCH 2021



भारतीय प्रौद्योगिकी संस्थान रुड़की
रुड़की – 247 667 (भारत)

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

भारतीय प्रौद्योगिकी संस्थान रुड़की
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
रुड़की-247 667 / **ROORKEE - 247 667**



भवन एवं निर्माण समिति की 44वीं बैठक का कार्यवृत्त

**MINUTES OF THE 44th MEETING OF
THE BUILDING & WORKS COMMITTEE**

DAY & DATE: WEDNESDAY, THE 24th MARCH 2021

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| 44.2 | भवन एवं निर्माण समिति की दिनांक 24.06.2020 को आयोजित 43वीं बैठक के कार्यवृत्त पर की गई कार्यवाही और पूर्व में भवन एवं निर्माण समिति की बैठकों के कार्यवृत्तों पर लंबित कार्यवाही की रिपोर्ट प्राप्त करना । To receive a report on the actions taken for implementing the decision of the 43 rd meeting of the Building & Works Committee held on 24.06.2020 and pending actions on the minutes of the earlier meetings of B&WC. | 2 |
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| 44.4 | सहारनपुर कैम्पस में एक पानी के टैंक को तोड़ने पर विचार करना । To consider the demolition of a water tank at Saharanpur Campus. | 3 |

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| 44.5 | आईआईटी रूड़की परिसर में अनुसंधान परिसर के निर्माण के प्रस्ताव पर प्रस्ताव विचार करना। To consider the proposal for construction of Research Complex at IIT Roorkee campus. | 3 |
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| 44.7 | इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग की कार्यशाला विंग को तोड़ने पर विचार करना। To consider the demolition of Workshop Wing of Electronics & Communication Engineering Department. | 4 |
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| 44.9 | स्वीकृति अधिकारों के संशोधन के प्रस्ताव पर प्रस्ताव विचार करना। To consider the proposal for the Revision of the Sanctioning powers. | 4-6 |
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| 44.11 | आईआईटी रूड़की परिसर में विभिन्न इमारतों में 14 नंबर लिफ्ट (13 नंबर विकलांग व्यक्तियों के लिए और 01 नंबर सर्विस लिफ्ट) की स्थापना के प्रस्ताव पर विचार करना। To consider the proposal for installation of 14 nos. Lifts (13 nos. for Differently abled persons and 01 no. Service lift) at various buildings at IIT Roorkee campus. | 6 |
| 44.12 | जीएनईसी कैंपस (फेस प्रथम) में पूर्ण कार्य के लिए ईआईएल के अगेंस्ट स्टैंडिंग एडवांस के समायोजन के लिए एक्स-पोस्ट-फेक्टो अनुमोदन। Ex Post-facto approval for adjustment of advance standing against EIL for the completed work at GNEC Campus (Phase-I). | 6 |



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| 44.13 | प्लेसमेंट और इटर्नशिप सेल के विस्तार के प्रस्ताव पर विचार करना। To consider the proposal for the extension of Placement and Internship cell. | 7 |
| 44.14 | रूड़की कैम्पस में आरईएससीओ मॉडल के तहत 1000 केडब्लूपी सोलर फोटो वोल्टाइक सिस्टम की स्थापना को रिपोर्ट करना। To report installation of 1000 kWp Solar Photo-Voltaic system under RESCO model at Roorkee campus. | 7 |
| 44.15 | आईआईटी रूड़की कैम्पस में ओ.पी. जैन सभागार के व्यापक नवीनीकरण और फेस लिफ्टिंग के प्रस्ताव पर विचार करना। To consider the proposal for comprehensive renovation and face-lifting of the O.P. Jain Auditorium in the IIT Roorkee campus. | 7 |
| 44.16 | आईआईटी रूड़की में अनुसंधान और विकास को सुविधाजनक बनाने के लिए अत्याधुनिक 1.3 पेटाफ्लोप उच्च निष्पादन कम्प्यूटिंग (एचपीसी) सुविधा स्थापित करने के लिए सेंटर फॉर डेवलपमेंट फॉर एडवांस्ड कम्प्युटिंग (सी-डेक) को रिपोर्ट करना। To report Centre for Development in Advanced Computing (C-DAC) supported establishment of a state-of the art 1.3 Petaflop High Performance Computing (HPC) Facility to facilitate research and development at IIT Roorkee. | 7 |
| 44.17 | छात्र गतिविधि केंद्र (एसएसी) में केंद्रीकृत एयर कंडीशनिंग कार्यों के प्रस्ताव पर विचार करना। To consider the proposal for Centralized Air Conditioning works at Student Activity Center (SAC). | 7-8 |
| 44.18 | डीएसटी-एफआईएसटी के तहत भौतिकी विभाग में स्वच्छ प्रयोगशाला के निर्माण के प्रस्ताव पर विचार करना। To consider the proposal for construction of Clean Laboratory in Physics Department under DST-FIST Project. | 8 |
| 44.19 | विभिन्न विभागों और छात्रावासों में शौचालयों के नवीनीकरण के प्रस्ताव पर विचार करना। To consider the proposal for renovation of Toilets in Various Departments and Hostels. | 8 |



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Minutes of the 44th Building & Works Committee meeting held on 24.03.2021 at 11.00 A.M. in the Board Room of the Institute.

The following were present:

- | | |
|---|-------------------|
| 1. Prof. Ajit K. Chaturvedi, Director | - Chairman |
| 2. Prof. M. Parida, Deputy Director | - Member |
| 3. Er. K. Muruganand, Superintending Engineer, New Delhi (Attended through Video Conferencing) | - Member |
| 4. Er. Anupam Singh, Superintending Engineer PTCUL, Dehradun | - Member |
| 5. Prof. Umesh Kumar Sharma, Dean Infrastructure | - Member |
| 6. Prof. S.K. Ghosh, Civil Engineering Deptt. | - Member |
| 7. Prof. Yogendra Singh, Earthquake Engineering Deptt. | - Member |
| 8. Prof. Mukesh K. Pathak, Electrical Engineering Deptt. | - Member |
| 9. Er. Nepal Singh (Attended on behalf of Institute Engineer) | - Member |
| 10. Prof. M.L. Sharma, Dean, Finance & Planning | - Special Invitee |
| 11. Shri Prashant Garg, Registrar | - Secretary |

At the outset, the Chairman welcomed the members to the 44th Meeting of the Building & Works Committee, with specific reference of the following new members, who were attending their first meeting and wished for their active participation and valuable contributions in the meetings of the B&WC:

1. Er. K. Muruganand, Superintending Engineer (Civil) ONGC, New Delhi
2. Er. Anupam Singh, Superintending Engineer (T&C), PTCUL, Dehradun
3. Prof. Umesh Kumar Sharma, Dean Infrastructure
4. Prof. Mukesh Kumar Pathak, Department of Electrical Engineering
5. Prof. Yogendra Singh, Department of Earthquake Engineering

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The Committee also thanked the following outgoing members and placed on record its appreciation for their valuable contributions: -

1. Er. Rajeev Garg (Retd.), Superintending Engineer, IIT Kanpur
2. Superintending Engineer, Uttarakhand Power Corp. Ltd., Roorkee
3. Prof. Z. Ahmad, Ex-Dean Infrastructure
4. Prof. Biswarup Das, Department of Electrical Engineering
5. Prof. Mahendra Singh, Department of Civil Engineering

The agenda was then taken up.

Item No. 44.1: To confirm the minutes of 43rd meeting of the Building & Works Committee held on 24.06.2020.

No comments were received and the minutes of the 43rd meeting of the B&WC as circulated on 29.06.2020 were confirmed.

Item No. 44.2: To receive a report on the action taken for implementing the decisions of the 43rd meeting of Building & Works Committee held on 24.06.2020 and pending actions on the minutes of the earlier meetings of B&WC.

The B&WC noted the actions taken on the minutes of the 43rd meeting and the progress in the on-going projects. Following suggestions were made:

- 41.6: With respect to the proposed face-lifting and renovation work of James Thomason Building, further efforts should be made to take up the work in a comprehensive manner by including structural retrofitting as well, wherever needed.
- 39.5: Proposal be reviewed in view of diversion of traffic load on the opening of two new by-passes on highways for Haridwar & Dehradun.
- 38.3: The PMC of the project should be advised to use the same material in AC works in corridors, as in the rooms.



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Item No. 44.3: To consider the proposal of re-laying of the roads in IIT Roorkee Campus.

The B&WC considered the proposal and recommended the same to the FC and BoG with a preliminary estimated cost of Rs. 11.90 Cr. with bituminous layer on all the existing roads along with Geopolymer Concrete Option on small portions of road stretches between Vikas Nagar Gate No. 5 to CBRI circle and the road from BEG to Vigyan Kunj up to New hostel, on experimental basis.

Item No. 44.4: To consider the demolition of a water tank at Saharanpur Campus.

The B&WC considered the item and recommended the same to the BoG for approval.

Item No. 44.5: To consider the proposal for construction of Research Complex at IIT Roorkee campus.

The B&WC considered the proposal for the construction of a Research Complex and recommended the same to the FC and BoG with a preliminary estimated cost of Rs. 135.8 crore. It was proposed to rename the building so that the theme of innovation is also captured.

The B&WC also noted that the Institute is completing its 175 years in the year 2022. Thus the proposed new building for research complex shall also mark the celebration of 175 years of the Institute. It was proposed that spaces for heavy testing, wet and dry laboratories be created in a manner so that they are modular in nature, as far as possible. This will help in non-uniform allocation of space for different projects, depending on the space required by each project. Further, spaces in the Complex be allocated to the PIs for a limited duration only, say 3 to 5 years, depending on the duration of their projects. Some space should be allocated for commonly used facilities.



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Item No. 44.6: To consider the proposal for the construction of Multipurpose Conference-cum-Community Centre at Niti Nagar.

The B&WC decided that the proposal be taken up for consideration only after a new site is found for the proposed building.

Item No. 44.7: To consider the demolition of Workshop Wing of Electronics & Communication Engineering Department.

The B&WC considered the proposal and recommended the same to the BoG for approval.

Item No. 44.8: To ratify relocation of the construction of Western Academic Block.

The B&WC ratified the relocation of Western Academic Block.

Item No. 44.9: To consider the proposal for the Revision of the Sanctioning powers.

The B&WC considered the proposal for the delegation of financial powers with respect to the works undertaken by Estate & Works and recommended to the BoG as under:

| S. No. | Description of Jobs | Existing Approving officers | Proposed Approving officers | Existing Maximum delegated amount (Rs.) | Recommended Maximum Delegated amount (Rs.) |
|--------|---|---|--|---|--|
| 1. | Approval for placing of work order and processing of Bills | Group 'A' Officers of AEE level | Same as existing | 10,000 | 50,000 |
| 2. | Approval, placing of work order and processing of Bills. | Executive Engineer | Same as existing | 50,000 | 2,00,000 |
| 3. | (a) Approval, placing of work order and processing of Bills (b) Placing of Work Order for works more than Rs. 10,00,000/- and up to Rs. 50,00,000 /- Bills shall be proceed through EE & IE, | Institute Engineer Dean Infrastructure | Same as existing Same as existing | 5,00,000 50,00,000 | 5,00,000 50,00,000 |


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| | Associate Dean Infrastructure and Dean, Infrastructure | | | | |
| 4. | Placing of the Work Order of more than Rs. 50,00,000 /- and upto 5,00,00,000.00 by the Dean, Infrastructure with prior permission/ approval from the Director. Bills shall be processed by the EE & Institute Engineer through Associate Dean Infrastructure and Dean, Infrastructure | Director | Same as existing | 2,00,00,000 | 5,00,00,000 |
| 5. | All works of value more than Rs. 5,00,00,000.00 bills shall be proceeding by the EE & Institute Engineer through Assoc. Dean, Infrastructure & Dean, Infrastructure. | Building & Works Committee (B&WC) Finance Committee (FC) and Board of Governors (BOG) | Same as existing | - | - |
| 6. | Variation in the contract cost | 1. Upto 20% maximum by Dean Infrastructure. The Director can allow variation upto 50% if due justification is provided. However, in exceptional cases, the Director can allow upto 100% variation. | Same as existing | - | - |
| 7. | Extra Items | Dean Infrastructure on the recommendations of the Institute Engineer | Dean Infrastructure on the recommendation of Institute Engineer can approve extra item with maximum cost | - | - |



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| | | | implication of 10% of contracted value of the Tender. | | |
| 8. | Time Extension | 1. For works upto Rs. 2.00 Cr. Dean Infrastructure 2. For works more than Rs. 2.00 Cr. Director. | 1. For Works upto Rs. 1.00 Cr., IE. 2. For works upto Rs. 5.00 Cr. Dean Infrastructure 3. For works more than Rs. 5.00 Cr. Director. | - | - |

Item No. 44.10: To consider the proposal for replacement of old Distribution Transformers at IIT Roorkee campus.

The B&WC considered the proposal and recommended the same to the FC and BoG with a preliminary estimated cost of Rs. 2.52 crore.

Further, the B&WC suggested that possibilities to install lesser number of distribution transformers of higher rating be explored.

Item No. 44.11: To consider the proposal for installation of 14 nos. Lifts (13 nos. for Differently abled persons and 01 no. Service lift) at various buildings at IIT Roorkee campus.

The B&WC considered the proposal and recommended the same to the FC and BoG with a revised preliminary estimated cost of Rs. 3.82 crore.

Item No. 44.12: Ex Post-facto approval for adjustment of advance standing against EIL for the completed work at GNEC Campus (Phase-I).

The B&WC considered the proposal and recommended to the FC and BoG ex post facto approval of Rs. 7.44 crore.



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Item No. 44.13: To consider the proposal for the extension of Placement and Internship Cell.

The B&WC considered the proposal and recommended the same to the FC and BoG with a preliminary estimated cost of Rs 3.45 crores.

Item No. 44.14: To report installation of 1000 kWp Solar Photo-Voltaic system under RESCO model at Roorkee campus.

The B&WC noted the status of this item.

Item No. 44.15: To consider the proposal for comprehensive renovation and face-lifting of the O.P. Jain Auditorium in the IIT Roorkee campus.

The B&WC considered the proposal and recommended the same to the FC and BoG with a preliminary estimated cost of Rs 2.37 crores.

Item No. 44.16: To report Centre for Development in Advanced Computing (C-DAC) supported establishment of a state-of the art 1.3 Petaflop High Performance Computing (HPC) Facility to facilitate research and development at IIT Roorkee.

The B&WC noted that the Board of Governors in its 61st meeting dated 27th November 2020 has ratified the approval of the Chairman BoG for the MoU signed between IIT Roorkee and C-DAC on 12th October, 2020 in the presence of the Hon'ble MoS for Meity Shri Sanjay Dhotre, to establish a state of the art 1.3 petaflop High Performance Computing (HPC) facility at IIT Roorkee. The total contribution of CDAC will be about Rs. 37.5 crores while IIT Roorkee will contribute Rs. 4.76 crores. CDAC will take care of the complete works and the commissioning of the HPC facility.

Item No. 44.17: To consider the proposal for Centralized Air Conditioning works at Student Activity Center (SAC).

The B&WC considered the proposal and recommended the same to the FC and BoG with a preliminary estimated cost of Rs 4.04 crores. It is proposed to go with a Chiller



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plant option for the centralized air conditioning of this Building.

Item No. 44.18: To consider the proposal for construction of Clean Laboratory in Physics Department. under DST-FIST Project.

The B&WC considered the proposal and noted that this is a proposal for a procurement rather than a building work, therefore it does not fall under the ambit of the B&WC. Hence the item was withdrawn so that it can be processed by the MM section as per the rules of the Institute.

Item No. 44.19: To consider the proposal for renovation of Toilets in Various Departments and Hostels.

The B&WC considered the proposal and recommended that the proposed work should be undertaken in two phases. The renovation of Toilets in the proposed Academic Departments should be taken up in Phase-I and the same for hostels should be taken up in the next phase. The B&WC recommended the Phase-I work to the FC & BoG with a preliminary estimated cost of Rs. 19.38 crore.

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



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