



**National Institute of Technology  
Rourkela**

***MINUTES***

**45<sup>th</sup> Meeting of  
Building & Works Committee**

**DATE : 16<sup>th</sup> SEPTEMBER, 2022 (Friday)**  
**TIME : 12:00 P.M.**  
**VENUE : Board Room, NIT, Rourkela**





राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela

45<sup>th</sup> Building & Works Committee, National Institute of Technology, Rourkela, held on  
16.09.2022 (Friday) at 12:00 PM in the Board Room & MS TEAM (online) of the Institute

**Members Present**

1. **Prof. K. Umamaheshwar Rao**  
Director & Chairman, BWC  
NIT, Rourkela
2. **Ms Veena Dunga, (online through MS TEAM)**  
Deputy Secretary (NITs),  
Technical Section - III (NITs Desk),  
Department of Higher Education,  
Ministry of Education (Shiksha Mantralaya),  
Government of India,  
Room No.435, C - Wing,  
Shastri Bhawan, New Delhi – 110115
3. **Shri Anil Kumar, (online through MS TEAM)**  
Director, Finance  
Ministry of Education (Shiksha Mantralaya), Government of India,  
Department of Secondary & Higher Education,  
Shastri Bhawan, New Delhi – 110001
4. **Shri Dillip Kumar Sahoo**  
GM, Projects (Civil)  
SAIL, RSP, Rourkela
5. **Prof. Swadesh Kumar Pratihar**  
Professor, Ceramic Engineering & Member, BOG  
NIT, Rourkela
6. **Prof. Pradip Sarkar**  
Professor, Civil Engineering & Dean (PD)  
NIT, Rourkela
7. **Prof. Rohan Dhiman,**  
Registrar & Member Secretary, BWC,  
NIT, Rourkela

**Invitees Present**

8. **Prof. S. Karmakar, EE**  
Associate Dean PD (MEP), NIT Rourkela
9. **Prof. R. N. Behera, CE**  
PIC (Civil Works), NIT Rourkela

10. **Prof. M. K. Moharana, ME**  
PIC (HVAC), NIT Rourkela
11. **Mr. Joydip Mondal**  
Executive Engineer, Estate, NIT Rourkela
12. **Mr. Satyendra Das**  
TA [SG-II], Estate Management, NIT Rourkela

**Members & Invitees Absent**

13. **Shri Sanjay Kumar Pradhan**  
GM, Tower Engg (Elect)  
SAIL, RSP, Rourkela
14. **Shri B. K. Pati**  
Executive Engineer  
PWD, Uditnagar, Rourkela.
15. **Mr. Rajesh Kumar Sahoo**  
Executive Engineer (E), Estate, NIT Rourkela



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela

Minutes of the 45<sup>th</sup> Building & Works Committee, National Institute of Technology, Rourkela held on 16.09.2022 (Friday) at 12:00 PM in the Board Room of the Institute/VC.

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**A) GENERAL AND PROCEDURAL MATTERS.**

**BWC: 45(2022)-01: Welcome to the members by the Chairman of the BWC.**

The Director and Chairman, BWC welcomed all the members to the meeting.

**BWC: 45(2022)-02: Confirmation of the minutes of the 44<sup>th</sup> meeting of the BWC held on 22.07.2022.**

The minutes of the 44<sup>th</sup> meeting were sent to the members, and no comments were received from members.

***BWC confirmed the minutes of 44<sup>th</sup> BWC meeting.***

***[Annexure - A1, Page No. 5 - 18]***

**BWC: 45(2022)-03: To report on the action taken on the decisions made in the 44<sup>th</sup> BWC held on 22.07.2022 and to discuss matters arising out of the minutes.**

The report on the action taken on the decisions made in the 44<sup>th</sup> Meeting of the BWC held on 22.07.2022 is presented for BWC's consideration.

***BWC noted the information.***

***[Annexure-A2, Page No. 19]***

**B) APPROVAL FOR PROJECTS: (PART- 'A')**

**BWC: 45 (2022)-04: Report of the MoE committee on the current conditions of the buildings constructed under the major project's Phase I and Phase II: Technical Issues.**

The committee comprising of Director, IFD (Shri Anil Kumar), the then Director, NITs (Shri M. L. Soni) and Dean (PD), SPA Delhi (Prof. Virender Paul) visited NIT Rourkela during August 3-5, 2022 for identifying technical, contractual and administrative issues with the infrastructures created on the institute campus under the major project's Phase I and Phase II. The institute has received the committee's report vide Ministry's letter F.No. 14-6/2022-TS.III, dated August 30, 2022. PART 1 of this report addresses the technical issues identified with

the above infrastructures and recommendations on possible solutions. At the institute's request, CPWD is preparing an estimate for executing all the necessary works per the guidelines given in the report. This estimate will be presented on the table during the meeting. The report also suggested utilizing either 'Funds for the Capital Expenditure' or 'Funds for Infrastructure Development' maintained by the institute.

***The rough cost estimate submitted by CPWD for executing all the rectification work is about 39.0 crore, which is to be met from the institute's corpus funds.***

***BWC recommended this proposal to the FC for approval.***

***[Annexure-A3, Page No. 20 - 52]***

**BWC: 45 (2022)-05: Report of the MoE committee on the current conditions of the buildings constructed under the major project's Phase I and Phase II: Administrative Issues.**

PART 2 of the above report addresses the administrative and contractual issues with the infrastructures under Phase I and II major projects. The report identified the delay in the occupation of the Golden Jubilee Building as a major concern. The infrastructures of both projects have been built without the approval of the local and fire authorities. However, except for the Golden Jubilee Building, all other buildings were occupied as soon as they were handed over to the institute. The Golden Jubilee Building could not be occupied primarily for the following reasons: (a) lack of HVAC chillers, (b) lack of fire approval, which is very important for this high-rise building, and (c) different technical issues, as discussed above. To address this problem, the institute has prepared realistic schedules through PERT charts and hopes to occupy this building by 30.09.2023.

***BWC noted the information.***

***[Annexure-A4, Page No. 53 - 54]***

**BWC: 45 (2022)-06: Report of the MoE committee on the current conditions of the buildings constructed under the major project's Phase I and Phase II: Financial and Contractual Issues.**

PART 2 of the above report also addresses the long-pending financial and contractual issues the institute has with the construction agencies of Phase I and Phase II projects. The report suggested forming a reconciliation committee and defining specific "Terms of Reference" to achieve amicable solutions to the pending problems between NIT Rourkela and the respective construction agencies (i.e., M/s UPRNN Ltd. for Phase-I and M/s Shapoorji Pallonji & Company Pvt. Ltd. for Phase-II) and for successful closure of Major Projects Phase-I and Phase-II. The report has also outlined a brief guideline on the committee composition subject to BoG approval.

***BWC noted the information.***

***[Annexure-A3, Page No. 20 - 52]***

**BWC: 45 (2022)-07: Proposal for 33 kV incoming underground feeder for NIT Rourkela.**

NIT Rourkela has upgraded its electrical distribution network from an 11 kV overhead system to a 33 kV underground ring main system within the campus with a length of approximately 5.9 km with a total installed capacity of 11.2 MVA and a contract demand of 3.5 MVA in 2014. However, a single overhead line of approximately 13 km circuit length continues to supply power to NIT Rourkela from the 132/33 kV grid substation, Chhend of M/s OPTCL. This existing distribution line runs through dense forest and crosses several streams of the Koel River, wet lowland areas, and densely populated residential areas (Koel Nagar and Jagda). As a result, the overhead line frequently trips with earth/over current faults during rain and storm. Faults in these wet lowlands and forest areas are not quickly addressed, especially at night, by the M/s OPTCL. Hence, power restoration to our campus is regularly delayed. Such a delay in power restoration during critical situations sometimes reaches up to 24 to 48 hours. NIT Rourkela is not authorized to attend to the maintenance of this type of fault since this facility is under the control of M/s TPWODL (local DISCOMS) as per OERC Conditions of Supply 1965.

To permanently overcome the above challenge, it is proposed to construct a second underground feeder from 132/33 kV Chhend Grid Sub-station to NIT Main Receiving Sub-station (MRSS) with an approximate circuit length of 12.5 km. The estimated cost of the above project will be approximately ₹ 17 Crores, excluding GST.

***The cost of this project is to be met from the institute's corpus fund. BWC recommended this proposal to FC for approval.***

***[Annexure-A5, Page No. 55 - 60]***

**BWC: 45 (2022)-08: Inside painting with distemper in place of white lime wash of G-type quarters.**

All the residential quarters have distemper as interior paint except the G-type quarters. There has been a long demand from the occupants of these quarters to have the house painted the same way as others. Considering the financial requirements, only 41 of the 115 G-type quarters were distempered in the first phase. Distemping work on another 25 G-type quarters is planned to be carried out in this financial year. An estimate of Rs. 20 lakhs have been prepared for this work.

***BWC approved the proposal.***

***[Annexure-A6, Page No. 61]***

C) APPROVAL OF BOQ AND ESTIMATE FOR TENDERING NEW PROJECT [PART 'B']: NIL

D) APPROVAL OF TENDER FOR AWARD OF WORK [PART 'C']: NIL

E) DEVIATION, EXTRA ITEMS FOR VARIOUS WORKS & POINTS FOR INFORMATION OF BWC [PART-'D']: NIL

BWC: 45(2022)-09: Any other item with the permission of the chair.

Nil.

*The meeting ended with thanks to the Chair.*



16/09/2022

(Prof. R. Dhiman)  
Registrar & Member Secretary  
Building & Works Committee



(Prof. K. Umamaheshwar Rao)  
Director & Chairman  
Building & Works Committee