



**National Institute of Technology
Rourkela**

MINUTES

**47th Meeting of
Building & Works Committee**

DATE : 19th JUNE, 2023 (Monday)

TIME : 04:00 P.M.

VENUE : Board Room, NIT, Rourkela



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology, Rourkela

47th Building & Works Committee, National Institute of Technology, Rourkela, held on 19.06.2023 (Monday) at 04:00 PM in the Board Room & MS TEAM (online) of the Institute

Members Present

1. **Prof. K. Umamaheshwar Rao**
Director & Chairman, BWC
NIT, Rourkela
2. **Shri Indrajit Kuri (online through MS TEAM)**
Under Secretary, TS-III (NIT Desk)
Ministry of Education,
Room No. 435, C-Wing
Shastri Bhawan, New Delhi- 110001
3. **Shri Sanjay Kumar Pradhan**
GM, Tower Engg (Elect)
SAIL, RSP, Rourkela
4. **Prof. Swadesh Kumar Pratihar**
Professor, Ceramic Engineering & Member, BOG
NIT, Rourkela
5. **Prof. Pradip Sarkar**
Professor, Civil Engineering & Dean (PD)
NIT, Rourkela
6. **Prof. Rohan Dhiman,**
Registrar & Member Secretary, BWC,
NIT, Rourkela

Invitees Present

7. **Prof. S. Karmakar, EE**
Associate Dean PD (MEP), NIT Rourkela
8. **Prof. R. N. Behera, CE**
PIC (Civil Works), NIT Rourkela
9. **Prof. M. K. Moharana, ME**
PIC (HVAC), NIT Rourkela
10. **Mr. Joydip Mondal**
Executive Engineer, Estate, NIT Rourkela

Members & Invitees Absent

11. Shri Anil Kumar

Director, Finance
Ministry of Education (Shiksha Mantralaya), Government of India,
Department of Secondary & Higher Education,
Shastri Bhawan, New Delhi – 110001

12. Shri Dillip Kumar Sahoo

GM, Projects (Civil)
SAIL, RSP, Rourkela

13. Shri B. K. Pati

Executive Engineer
PWD, Uditnagar, Rourkela.

14. Mr. Rajesh Kumar Sahoo

Executive Engineer (E), Estate, NIT Rourkela



राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला
National Institute of Technology Rourkela

Minutes of the 47th meeting of the Building & Works Committee, National Institute of Technology Rourkela held on 19.06.2023 at 4:00 P.M. in the Board Room of the Institute.

A) GENERAL AND PROCEDURAL MATTERS

BWC: 47(2023)-01: Welcome to the members by the Chairman of the BWC.

BWC: 47(2023)-02: Confirmation of the minutes of the 46th meeting of the BWC held on 20.02.2023.

The minutes of the 46th meeting were sent to the members, and no comments were received from members.

BWC confirmed the minutes of its 46th meeting.

[Annexure - A1, Page No. 6 - 13]

BWC: 47(2023)-03: To report on the action taken on the decisions made in the 46th BWC held on 20.02.2023 and to discuss matters arising out of the minutes.

The report on the action taken on the decisions made in the 46th Meeting of the BWC held on 20.02.2023 is presented for BWC's consideration.

BWC noted the information.

[Annexure-A2, Page No. 14]

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

BWC: 47(2023)-04: Construction of New Intake well at Koel River.

Water Corporation of Odisha (WATCO) supplies raw water to NIT Rourkela from the Koel River. Currently, our peak water demand is around 3.5 MLD. WATCO has a single intake well dedicated to NIT Rourkela, which runs round the clock during the summer season to meet the above demand with no scope for regular maintenance work. As a result, frequent breakdown of suction pumps is observed in addition to frequent sand clogging and other problems in the intake well.

Furthermore, considering the proposed expansion of our campus infrastructure (sports complex, new hostels, faculty residence, staff residence, etc.), we have calculated an increase in water demand of 30%. This additional water cannot be supplied by WATCO through the only existing intake well. An additional intake well will not only help us meet water demand in the near future but will enable

us to carry out the necessary maintenance work on the intake well without interrupting the water supply to the campus.

We have pursued with WATCO for quite some time to have an additional intake well for the above purposes. WATCO is unable to confirm us for this project due to a shortage of funds with them. However, WATCO has assured us that if we organize the fund, they will extend their technical and administrative support to carry out the work. With this background, it is proposed that the funding of this project by the institute be approved as water is a basic need, and the institute is responsible for providing water to the 12,000-odd residents of its campus.

Estimated cost – ₹ 3.5 Crore

Source of the fund – OH-35

BWC approved the proposal in principle and advised the institute to formally contact WATCO and obtain the details of the mode of execution and detailed project report with preliminary estimates from WATCO for further approval by FC/BOG.

BWC: 47(2023)-05: Kendriya Vidyalaya at NIT Rourkela Campus.

NIT Rourkela is a premier national institute that houses over a thousand families of teaching and non-teaching staff and over a hundred families of married students on its campus. The campus population represents a genuinely national character, consisting of people from every part of the country. However, there is only one Odia medium school run by the Board of Secondary Education, Govt. of Odisha, on the institute campus, which is not popular among the campus children mainly because of the medium of instruction. As a result, young children of our campus travel an average of 25 km round trip every day to attend their schools outside the campus. This affects the parents' mental peace, ultimately affecting their performance in the activities of the institute. To meet the needs for quality education of the campus children, opening a Kendriya Vidyalaya on the campus is extremely important. It is therefore proposed to construct one school building of type-A1 (G+2), staff quarters (4 numbers Type-II, 4 numbers Type-III, 1 number Type-V) and other necessary facilities as per norms for Kendriya Vidyalaya at NIT Rourkela Campus. The project cost, with around 4,500 square meters of built-up area, is estimated to be around ₹ 21.65 crores.

Estimated cost – ₹ 21.65 Crore

Source of the fund –

Considering the financial sustainability and better management of the proposed Kendriya Vidyalaya, BWC recommends the construction of one school building of Type-A (having two sections each for classes I to XII) instead of Type-A1 (having one section each for classes I to XII) at NIT Rourkela Campus for the approval of FC/BoG. The revised project cost, including the construction of the school building, staff quarters (4 numbers Type-II, 4 numbers Type-III, 1 number Type-V), and other necessary facilities as per norms for Kendriya Vidyalaya, is estimated to be around ₹ 29.19 crores.

[Annexure-A3, Page No. 15 – 28 (a-e)]

BWC: 47(2023)-06: Annual Civil maintenance work for academic area, student hostels, and staff residence area.

The daily maintenance of academic, hostel and residential areas based on the users' complaints is carried out through the contractor every year. The expenditure on the above work for the next year is estimated at ₹ 2.5 Cr (excluding GST). It is proposed to invite open tender through e-portal, and work can be divided among multiple agencies for smooth execution of work.

Estimated cost – ₹ 2.5 Crore (excluding GST)

Source of the fund – OH 31

BWC recommended this proposal to the FC for Approval.

[Annexure-A4, Page No. 29 - 183]

BWC: 47(2023)-07: Provision of APP membrane hydro-insulation on rooftops of academic buildings and hostels.

Many of the roof slabs of the old buildings in the academic and hostel areas have seepage problems due to aging. In some of the buildings, the seepage of water is to such an extent that corrosion of the reinforcement in the roof slab has occurred, endangering the safety of the structures. In this regard, many complaints have been received by the Estate Maintenance office from the concerned users. Therefore, it is proposed to undertake the hydro-insulation work in the form of APP membrane on the roofs to arrest the seepage of water on a top priority basis and complete it before the start of the next monsoon. The expenditure on the above work is estimated at ₹ 1.2 Cr (excluding GST). Inviting open tender through the e-procurement portal for the above work is proposed.

Estimated cost – ₹ 1.2 Crore (excluding GST)

Source of the fund – OH 31

BWC approved this proposal.

[Annexure-A5, Page No. 184 - 191]

BWC: 47(2023)-08: Expenditure required for occupying the Golden Jubilee Building.

As per BOG-86(2022)-11 dated 29.09.2022, we have committed to occupying the Golden Jubilee building by 30 September 2023. To meet this commitment, we have already started work on the Central Air-conditioning system and defect rectification works of the building. The Registrar's Office is dealing with the issue of fire approval. Besides these, we have three more issues at our hands that need to be resolved (i) purchase of the necessary furniture. A rough cost estimate is prepared for this purpose at 8% of the total project cost amounting to ₹ 8.00 crores, (ii) telephone connection (refer to the attachment), and (iii) internet connection (refer to the attachment). A rough cost for executing the above three jobs is estimated to be ₹ 14.82 Cr.

Estimated cost – ₹ 14.82 Crores

Source of the fund – OH 35

BWC recommended this proposal to the FC for Approval.

[Annexure-A6, Page No. 192 - 193]

BWC: 47(2023)-09: Report of reconciliation meeting regarding Major Project Phase - I

A reconciliation committee was constituted vide NIT Rourkela Office Order No. NITR/RG/2022/M/0901 dated 16-December-2022 for reconciliation of disputes in Construction of Major Projects (Phase - I) and the first meeting was held on 29.12.2022, in which issues of NIT Rourkela and M/s UPRNN Ltd. was discussed in detail.

It was decided in the meeting that both sides would come back with a final proposal for settlement. Accordingly, the parties made their side of representations on 13 March 2023, and after due deliberation by the committee members following has been decided and confirmed by the members for further action on the part of both NIT Rourkela and M/s UPRNN Ltd.

1. Considering the minutes of the meeting held on 19th November 2015 between the two parties, a sum of ₹ 2.0 crores, along with associated bank FD interest on the said amount, will be retained by NIT Rourkela in lieu of the rectification of defects.
2. Remaining security deposit amounting to ₹4,03,87,045.00, along with bank FD interest on this amount, will be released by NIT Rourkela to M/s UPRNN Ltd. along with the signing of the final settlement agreement by 31-May-2023.
3. The above settlement is the full and final settlement concerning any dues/claims/disputes of both the parties pertaining to the work of **Construction of Major Projects (Phase – I) at NIT Rourkela, Odisha**, agreement dated 16-June-2008 and the parties will not pursue any further claims and disputes before any arbitration and legal forums.
4. The settlement agreement on the above lines will be signed by and between the parties on or before 31 May 2023.

BWC recommended this proposal to the FC for Approval.

[Annexure-A7, Page No. 194]

- 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']:

BWC: 47(2023)-10: Deviation in the work of the Construction of the Geotechnical lab for the Mining Engineering Department.

The geotechnical laboratory for the Mining Engineering department will be built with a Galvanized Iron (GI) Sheet roof. In order to provide better thermal insulation and appearance to this laboratory, an appropriate False Ceiling is planned as an extra item in addition to some other small modifications, resulting in a deviation of 18.4% from the tender value.

BWC approved the proposed deviation.

[Annexure-A8, Page No. 195 - 202]

BWC: 47(2023)-11: Deviation in the work of the Extension of Structural Engineering Lab for Civil Engineering Department.

The Structural Engineering Laboratory Expansion Building was initially planned to be single-storied. It was later decided that although it would be a single-storied building, it should have future provisions for an additional floor. Due to the above, the design of the frame structure was modified, which led to deviations in the quantities of some items such as rebar, concrete, etc. The total deviation is estimated to be around 24.25% of the tender amount.

BWC approved the proposed deviation.

[Annexure-A9, Page No. 203 - 209]

BWC: 47(2023)-12: Delegation of power to different officers related to the works for different activities.

Referring to the resolution BWC: 37(2020)-04-2, where BWC has suggested delegating authority to different officers related to the works for different activities such as time extension, approval of extra items, deviation of contract values in line with the CPWD work manual to avoid delay in implementation of projects. BWC also suggested that the practices in other technical institutes of national importance be adopted where the organizational structure hierarchy of CPWD does not match that of NIT Rourkela.

Based on the above BWC resolution, a detailed proposal for the delegation of powers has been prepared and tabled for discussion.

BWC recommended this proposal to the FC for Approval.

[Annexure-A10, Page No. 210]


BWC: 47(2023)-13: Any other item with the permission of the chair.

1) Purchase of the necessary furniture for the Academic building of NIT Rourkela at Bhubaneswar.

The construction of the Academic Building of NIT Rourkela at Bhubaneswar is scheduled to be completed by the end of this year. In order to make the building operational as soon as it is completed, it is proposed that the necessary furniture can be procured in a parallel process. A rough cost estimate is prepared for this purpose at 8% of the total project cost amounting to ₹ 2.27 crores.

Source of the fund – OH 35

BWC recommended this proposal to the FC for Approval.


10/7/2023
(Prof. Rohan Dhiman)

Registrar & Member Secretary
Building & Works Committee


11.7.23
(Prof. K. Umamaheshwar Rao)
Director & Chairman
Building & Works Committee

