



## **NATIONAL INSTITUTE OF TECHNOLOGY GOA**

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### **Minutes of the 8<sup>th</sup> Meeting of the Building and Works Committee**

**Day, Date, and Time:** Wednesday, 27/09/2023 at 3:00 PM

**Venue:** Conference Room NIT Goa (Hybrid Mode)

**Minutes of the 8<sup>th</sup> BWC Meeting**  
Day, Date, and Time: Wednesday, 27<sup>th</sup> September 2023, at 3.00 PM

The eighth meeting of the Building and Works Committee of NIT Goa was held on 27<sup>th</sup> September 2023, Wednesday, at 3:00 PM at the NIT Goa conference room in Hybrid mode. The meeting started with a welcome address by the Director and Chairman BWC of NIT Goa.

The following members were present in the meeting.

Sl. No	Name	Designation	Mode of Presence
1.	Prof. O R Jaiswal The Director, NIT Goa	Chairman	In-person
2.	Mrs. Veena Dunga Deputy Secretary, NITs Department of Higher Education MoE, New Delhi	Member	Online
3.	Shri. Anil Kumar Director (Finance and Accounts) Department of Higher Education MoE, New Delhi	Member	Online
4.	Shri. A K Jain Former Spl DG, CPWD, Delhi	Member	Online
5.	Prof. Rajesh Kumar Tripathi Department of Civil Engineering, National Institute of Technology Raipur	Member	Online
6.	Prof. Krishna Kant Pathak, Dept. of Civil Engineering, IIT BHU	Member	Online
7.	Dr. Velavan Kathirvelu Dean P&D, NIT Goa	Member	In-person
8.	Dr. Shashidhar K Kudari, Registrar, NIT Goa	Member Secretary	In-person
9.	Shri. P K Agrawal, SE cum PD, CPWD, Goa	Special Invitee	In-person
10.	Shri Devesh Budhani, EE & SM (C-II), CPWD, Goa	Special Invitee	In-person
11.	Shri. Siddhant Khopkar, EE & SM (E), CPWD, Goa	Special Invitee	In-person
12.	Dr. Harikumar, Assoc. Dean P&D, Project In-charge, NIT Goa	Special Invitee	In-person

## TABLE OF CONTENTS

Item No	Agenda	Page No.
BWC 8.1	To confirm the minutes of the 7 <sup>th</sup> BWC meeting held on 06/07/2023 at NIT Goa in hybrid mode.	03
BWC 8.2	To receive the information regarding the Action Taken Report (ATR) on the decisions in the 7 <sup>th</sup> BWC meeting held on 06/07/2023	03
BWC 8.3	Electricity connection for the permanent campus at Cuncolim.	05
BWC 8.4	Procurement of furniture for the permanent campus of NIT Goa	06
BWC 8.5	Procurement of equipment for academic departments and hostelmess requirements	07
BWC 8.6	Ratification of approval accorded to conduct stability analysis at various locations at the construction site.	08
BWC 8.7	Release of Rs. 25 Cr against receipt of request letter from CPWD from the additional fund sanctioned under 20% provision over and above approved layout.	09
BWC 8.8	Review of progress on water and electricity connection to be provided by the State Government of Goa.	09
BWC 8.9	Review of progress on construction and finishing work at the permanent campus.	10
BWC 8.10	Additional items, if any, with the permission of the Chairperson.	10



### DETAILED AGENDA ITEMS

***BWC 8.1 To confirm the minutes of the 7<sup>th</sup> BWC meeting held on 06/07/2023 at NIT Goa on hybrid mode.***

The minutes of the 7<sup>th</sup> BWC meeting held on 06/07/2023 were circulated among its members through email. Suggestions were received from respected members. All the suggestions were incorporated, and the revised minutes were circulated to all the members through email on 17/07/2023.

The revised minutes may please be confirmed by the BWC.

**Resolution:** The BWC noted and confirmed the minutes of the 07<sup>th</sup> BWC meeting.

***BWC 8.2 To receive the information regarding the Action Taken Report (ATR) on the decisions in the 7<sup>th</sup> BWC meeting held on 06/07/2023.***

Item No	Agenda, Resolution	Action Taken
BWC 7.3	<p><b>Agenda:</b> To consider and approve the recommendations of the committee constituted in the 6<sup>th</sup> BWC to list the changes and reasons thereof concerning the approved DPR of the permanent campus of NIT Goa.</p> <p><b>Resolution:</b> <i>BWC discussed the report prepared by the committee and noted the changes made in the built-up area of buildings, developmental works, electrical work, and other works with respect to the approved DPR and the reasons thereof. BWC also noted that DPR was prepared before the allotment of the project to CPWD. Further, after looking at the land profile and terrain of the site through various photos and detailed discussions on the report prepared by the committee, the BWC agreed that these changes are required to fulfil the functionality and safety of the campus. BWC accepted the report prepared by the committee and accorded post-facto approval for the changes made.</i></p>	NIT Goa noted the resolution of BWC.

	<p>Members also noticed that Institute failed to bring such deviation in the built-up area into the notice of BWC, as no BWC meeting was conducted by institute in the last 4 years. It was also advised that Institute should be careful in future and bring any deviation from the planned activity to the notice of appropriate authority viz. BWC/ FC/ BoG</p>	
BWC 7.4	<p><b>Agenda:</b> To approve the request for additional funds over and above the approved cost regarding the construction of the permanent campus of NIT Goa.</p> <p><b>Resolution:</b> BWC noted that 50% of the workforce and machinery are already shifted from the project site and recorded the notice received from CPWD and the contractor (B. G. Shirke Construction Technology Pvt. Ltd.). Further, BWC discussed this matter and the proposal for additional funds. It is agreed that additional funds are required to complete the campus construction. So, it is resolved that a sum of Rs 86.5 Cr shall be requested from MoE for the timely completion of Civil, Electrical, safety, and other developmental works. Regarding furniture and equipment, it was suggested that the procurement process within the available funds may be initiated at the earliest to start the academic activity on the permanent campus.</p> <p>It is resolved that a revised proposal for Rs 86.5 Cr, as recommended by the committee, shall be submitted to MoE after the approval of FC and BoG.</p>	<p>NIT Goa submitted the proposal to MoE on 27/07/2023 after the approval of FC and BoG. In response, MoE has sanctioned 86.5 Cr funds vide letter dated 20/09/2023.</p> <p>Further, 25 Cr of funds are sanctioned under grant-in-aid and the remaining amount of 61.5 Cr (86.5 – 25 = 61.5 Cr) through HEFA Loan (Annexure 8.2.1).</p>
BWC 7.5	<p><b>Agenda:</b> Internet connection for the permanent campus of NIT Goa</p> <p><b>Resolution:</b> BWC agreed that two internet connections are required for the function of the permanent campus. The proposal was accepted and approved by the BWC. It was suggested that the BSNL service can be obtained as per the norms, and the vendor for the private internet service</p>	<p>1. NIT Goa obtained approval for 1 Gbps NKN internet connection under the NMEICT from MoE, and the same has been submitted to BSNL requesting for internet service. BSNL is in the process</p>

	<i>should be obtained through a tendering process.</i>	of providing service <b>(Annexure 8.2.2)</b> .  2. With respect to internet service through the private vendor, NIT Goa is about to publish the tender through GeM.
BWC 7.6	<b>Agenda:</b> Additional items, if any, with the permission of the Chairperson	No additional items were discussed.

**Resolution: The BWC has noted and approved the action taken report on the decision of the 07<sup>th</sup> BWC meeting.**

***BWC 8.3: Electricity connection for the permanent campus at Cuncolim.***

For the electricity connection to the campus, Goa Electricity Department (GED) conveyed approval for a load of 1800 KVA phase-wise (i) 1000KVA from 33 KV Velim I/II circuit through the 9-pole structure and (ii) 800 KVA from the Cuncolim substation through the 9 pole structure.

- (i) Concerning the approval for an electrical load of 1000 KVA, GED notified NIT Goa to pay a security deposit of Rs. 1,01,00,000/- (Rs. One Crore one lakh only) to release electricity through the 9 pole structure from 33 KV Velim I/II circuit. A request was made to the Chief Secretary of Goa **(Annexure 8.3.1)** and Chief Engineer (CE) to waive the security fee because NIT Goa is functioning under MoE. However, NIT Goa's request was not considered, and the CE has directed NIT Goa to pay the said fee for getting the electricity connection vide letter dated 03/08/2023 **(Annexure 8.3.2)**.
- (ii) A technical sanction was received from GED with an estimate of Rs.123,33,359/- (Rs. One crore twenty three lakhs thirty three thousand three hundred fifty nine) for electricity connection for a load of 1000 KVA from 33 KV Velim I/II circuit to the NIT Goa. Approval was obtained in 6<sup>th</sup> BWC vide item no 6.3. Accordingly, CPWD was requested to carry out the work as per the terms and conditions in the approval. Based on the estimate given by GED, CPWD has submitted the preliminary estimate of 1,33,99,600/- (Rs. One crore thirty three lakhs nintynine thousand six hundred), including ESI and EPF **(Annexure 8.3.3)**. Referring to the approval of 6<sup>th</sup> BWC, item no 6.3 and consequent 31<sup>st</sup> FC and 39<sup>th</sup> BoG of NIT Goa, A/A and E/S has been issued for the said work with the condition that fund will be released as soon as MoE release the first instalment. The said amount is the preliminary estimate based on GED technical sanction. However, the cost may vary based on the actual requirement. BWC is requested to authorize the Director, NIT Goa, to approve the cost based on actual requirements, which maybe





ratified in subsequent BWC meetings.

- (iii) The tender process for the said work is completed, and the work order has also been issued. Completion of said work involves the import of an RMU from overseas. Manufacturing and receiving of the said unit would take two to three months. If the receiving of RMU is delayed, looking at the necessity of the electrical connection for the campus, an alternative arrangement is planned by CPWD. This requires an expenditure of 15 lakhs and is only needed if there is a delay in receiving the RMU.

All the said expenditures will be managed within the additional funds sanctioned by MoEvide letter dated 20/09/2023.

BWC is requested to consider and approve the same.

**Resolution: Recommendations of the BWC are as below:**

- (i) Concerning payment of the security deposit, BWC approved paying the amount, but it should be managed within the additional funds sanctioned by MoE vide letter dated 20/09/2023.
- (ii) BWC deliberated on the status of the electricity connection for the permanent campus and noted that the estimate of Rs 1,33,99,600/- submitted by CPWD is based on technically sanctioned estimate given by GED, Goa since the work has to be carried out by CPWD under the supervision of GED/GOA. This is for getting electricity load of 1000KVA from 33 KV Velim I/II circuit to NIT Goa campus. BWC enquired whether this HT infrastructure being created by CPWD would be sufficient to take additional load of 800 KVA at a later stage (Total load 1800 KVA). CPWD confirmed that the work has already been awarded & the infrastructure will take care of total load of 1800 KVA without any additional expenditure.

It was also informed by CPWD that the work is in fast progress and will be completed as committed. BWC member Mr. AK Jain offered to go through the technical provisions of the work and give advise for improvements in electricity distribution system, if any. CPWD was advised to go ahead with the work as already awarded and ensure timely completion.

- (iii) CPWD informed that the work of HT distribution is progressing well and 33 KV RMUs are being manufactured as per tender conditions. CPWD's proposal for additional expenditure of Rs 15 lakhs for delay, if any, in receiving RMUs was not approved. CPWD assured that HT infrastructure will be ready in time for receiving 33 KV supply from GED, keeping in view the Institute's plan to commence operations in new campus without further delay.

**BWC 8.4: Procurement of furniture for the permanent campus of NIT Goa.**

As construction of the permanent campus is on the verge of completion, furniture for the campus is essential to shift the academic activities by next semester. All furnitures in usable condition at the present campus will be shifted to the permanent campus. Currently,

Minutes of the 8<sup>th</sup> BWC Meeting

Day, Date, and Time: Wednesday, 27<sup>th</sup> September 2023, at 3.00 PM

NIT Goa has Rs. 9.68 Crore available on the furniture head. Since the fund is highly limited, it has been decided to procure the furniture required to complete the CPWD scope for handing over the buildings. So, the furniture required for hostels and locations in other buildings where electrical conduits are provided on the floor is considered for procurement in phase-1. CPWD has submitted an estimate of Rs. 8.2 Crore and requested for A/A and E/S vide letter dated 07/09/2023 (**Annexure 8.4.1**). The remaining furniture will be procured after shifting to the new campus as per the availability of the funds.

BWC is requested to consider and approve the same.

**Resolution: BWC noted that the furniture to be procured against an estimate of Rs.8.2 crore submitted by CPWD and existing usable furniture in the transit campus is only sufficient for shifting the current student strength to the new campus, thereby the academic activities shall be started in the permanent campus. Regarding the furniture estimate submitted by CPWD, the BWC noted that an estimate for electrical works on the furniture amounting to Rs. 25 lakhs may be removed as it falls under the electrical head. BWC also urged CPWD to submit the revised estimate by suitably rearranging the Boy's and Girl's hostel furniture requirements**

**BWC also suggested that NIT Goa to purchase furniture utilizing available funds on the furniture head. For any additional furniture requirement, an independent committee may be formed to assess the requirements for catering to 1260 students. Based on the report submitted by this committee, the BWC may accord its recommendation for additional fund disbursement under the furniture head.**

***BWC 8.5: Procurement of equipment for academic departments and hostel mess requirements***

Due to space constraints in the existing campus, NIT Goa runs its academic activity with limited equipments. Some of the curriculum laboratories are being conducted at Government Engineering College (GEC), Goa on payment basis. As construction of the permanent campus is on the verge of completion, and NIT Goa plans to start academic activities in the permanent campus in the upcoming semester, the procurement of laboratory equipments required to support curriculum academic activity and the hostels' mess has become crucial. Hence, these equipments are planned to be procured under phase-1. The total estimate for the equipment to be procured in phase-1 is Rs 19.1 Crores. Currently, NIT Goa has Rs 29.11 Crores under the equipment head. The requirement received from various departments is as follows.

SI. No	Items	Department	Preliminary Estimate (Crores)
1	Equipment for academic departments for curriculum requirements	APS and HSS	0.7



**Minutes of the 8<sup>th</sup> BWC Meeting**  
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		CSE	3.0
		CVE	2.8
		ECE	1.0
		EEE	1.4
		MCE	7.6
2	Equipment for hostel messes, Canteen exhaust system		1.6
		Total	19.1

The said amount is a preliminary estimate only. The cost of expenditure may change as per actuals. The Director may be authorized to approve the amount based on actual requirements, which may be ratified in the subsequent BWC meetings.

BWC is requested to consider and approve equipment purchases following GFR norms.

**Resolution: BWC has agreed and approved the proposal to purchase the equipment essential to meet the academic requirements on the permanent campus. Further, BWC authorized the Director to approve the amount as per actual and to reappropriate the amount among the departments as per the requirements, if needed.**

***BWC 8.6: Ratification of approval accorded to conduct stability analysis at various locations at the construction site.***

The construction of the permanent campus for NIT Goa is at an advanced stage and is nearing completion. As per the report of the committee formed in 6<sup>th</sup> BWC meeting and the resolution of the 7<sup>th</sup> BWC meeting (item no. 7.3), further protective works are required at the permanent campus to ensure better water management and stability of slopes at the foothills. In this context, the slope stability analysis of hill cuts at various locations at the site is necessary to ascertain how the slopes are to be treated to ensure stability and protection in campus from landslides, etc. Accordingly, CPWD has submitted an estimate to conduct a stability analysis by a team of experts amounting to Rs. 5,26,100/- (Rs. Five lakhs twenty six thousand one hundred) vide letter dated 14/07/2023 (**Annexure 8.6.1**). This work includes carrying out slope stability analysis and submitting a detailed report containing stability analysis and suggestions regarding necessary remedial measures to stabilize the slopes wherever necessary.

Considering the requirement and time limitations, the Chairman of BWC has approved the proposal to conduct the slope stability analysis, which is communicated to CPWD for necessary action.

BWC is requested to consider and ratify the approval accorded by the BWC chairman.

**Resolution: BWC approved and ratified the approval accorded by the BWC chairman.**

Further, BWC also suggested that all available options should be weighed in while looking for a suitable slope stability method, and a state-of-the-art, efficient and cost-effective method should be adopted.

***BWC 8.7: Release of Rs. 25 Cr against receipt of request letter from CPWD from the additional fund sanctioned under 20% provision over and above approved layout.***

NIT Goa has released a sum of Rs 295.05 Cr from time to time upon demand raised by CPWD from SFC sanctioned amount of 304.33 Cr. A request for additional funds to complete the construction of the permanent campus was placed in the 6<sup>th</sup> BWC meeting (item No 6.5), and it was recommended to submit the proposal to MoE in the 7<sup>th</sup> BWC meeting (item no 7.4). The proposal was submitted to MoE vide a letter dated 26/7/2023. In response, MoE has sanctioned Rs. 86.5 Cr funds vide letter dated 20/9/2023 (**Annexure 8.2.1**).

In a letter dated 22/09/2023, CPWD requested to release Rs 25 Cr (**Annexure 8.7.1**) to clear the liability at the construction site for further work progress. However, the fund is not yet received by NIT Goa. So, BWC may approve and authorize the Director and BWC Chairman to release the 25 Cr as soon as NIT Goa receives the funds.

BWC is requested to consider and approve the release of 25 Cr to CPWD from the additional funds sanctioned by MoE.

**Resolution: BWC approved the release of 25 Cr to CPWD from the additional funds sanctioned by MoE as soon as funds are received.**

***BWC 8.8: Review of progress on water and electricity connection to be provided by the State Government of Goa.***

Concerning the electrical connection from the Cuncolim substation (construction of bay and laying cable for a stretch of approximately 7 Kms) and water connection from the nearest pump station to NIT Goa, a request has been submitted to the Chief Secretary (CS), Govt. of Goa, vide letter dated 17/7/2023 to provide electricity and water without passing any infrastructure developmental cost on NIT Goa (**Annexure 8.3.1**). Subsequently, the Honourable Secretary MoE has also communicated to CS, Govt. of Goa through a letter dated 31/07/2023 regarding this matter. Chief Secretary, Govt. of Goa, had arranged a joint meeting with the Director (NIT Goa), Principal Chief Engineer (PWD), Chief Engineer (GED), and Chief Engineer (Building, PWD) on 08/08/2023 in this regard at his office. During this meeting, it was agreed by the Chief Secretary, Goa, that the said work would be carried out without passing any infrastructural development cost to NIT Goa up to the compound wall based on the recommendation of the Site Selection Committee and the letter from the Hon'ble Secretary, MoE, Govt. of India. Also, CS, Govt. of Goa has directed respective departments to consider the application in the meeting.

NIT Goa submitted a letter on 14/08/2023 and 21/08/2023 to the GED (**Annexure**

8.8.1) in this regard and is awaiting for a response from the Govt. of Goa. Concerning the water connection, after receiving the application from NIT Goa, PWD has demanded an occupancy certificate. The contractor is in the process of obtaining an occupancy certificate.

Concerning the occupancy certificate, the contractor has already applied to the Cuncolim municipal council. The Cuncolim municipal council has responded, demanding additional documents such as Fire NOC. The contractor is in the process of obtaining fire NOC to submit.

BWC to note these developments in obtaining the water and electricity connection to be provided by the State Government of Goa.

**Resolution: BWC noted the developments in obtaining electricity and water connections to the permanent campus from the State Government of Goa.**

***BWC 8.9: Review of progress on construction and finishing work at the permanent campus.***

During the meeting with CPWD on 31/08/2023 in the presence of the Special DG, CPWD, Mumbai, it was elaborated that the construction and finishing work of buildings such as the Administrative block, Seminar Hall block, Tutorial block and Girls hostel are near completion. The contract agency has also prepared the inventory lists for the aforementioned buildings. So, BWC may authorize the Director to nominate members from the NIT Goa to form a committee so that phase-wise handing and taking over of buildings may be started.

Further, it was informed by CPWD that the construction and finishing work of the buildings should be completed by 31/11/2023 if there is no hindrance in fund flow. Shifting to the permanent campus would be ensured by December, if clearance from local bodies such as occupancy certificate, water and electricity connections are obtained.

BWC to note the development and authorize the Director to nominate members from the NIT Goa to form a committee for the handing and taking over of buildings

**Resolution: BWC noted the work progress at the permanent campus and authorized the Director to nominate members from NIT Goa to take over the buildings. The Director may also nominate external members if required for a smooth process. BWC also suggested that CPWD may take up the remaining work on a priority basis in such a way that the physical shifting of various assets from the transit campus to the permanent campus may start from 1st December 2023, and the academic activities shall be full-fledged by 1st January 2024.**

***BWC 8.10: Additional items, if any, with the permission of the Chairperson.***

**Minutes of the 8<sup>th</sup> BWC Meeting**

Day, Date, and Time: Wednesday, 27<sup>th</sup> September 2023, at 3.00 PM

No additional items were discussed.

The meeting concluded at 5:00 PM with a vote of thanks to the Chairman, members, and special invitees of the BWC meeting by the Registrar, National Institute of Technology Goa.

  
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कुलसचिव  
Registrar  
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