Minutes of

Buildings & Works Committee (BWC) Meeting

Of the

National Institute of Technology Calicut

Held at 11.30 am on Wednesday the 28th July 2021

on Online platform

National Institute of Technology Calicut
NITC PO – 673601
Kozhikode, Kerala

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am at Online Platform

Members Present:

1.	Dr. Sathidevi. P. S	Director (i/c), NIT Calicut
2.	Shri. Anil Kumar	Director Finance, MoE, New Delhi
3.	Lt. Col. (Retd.) Pankajakshan K	Registrar & Secretary BWC, NIT Calicut
4.	Dr. Naseer M.A.	Dean (P&D), NIT Calicut
5.	Dr. P.P.Anilkumar	Professor, DAP, Nominee of BoG, NITC
6.	Shri. Chandrababu P	Deputy Chief Engineer, Electrical Circle,Kozhikode
7.	Dr. K Krishnamurthy	Superintending Engineer(*i/c*), NIT Calicut (Invitee)

Member took leave of absence:

1.	Shri. A Mohammed	Superintending Engineer, PWD Building, Centre Circle Calicut

Minutes:

The meeting was called to order at 11.30 am.

2021:01:01 - Confirmation of the minutes of the BWC meetings held on 11-10-2019

The minutes of BWC meeting held on 11.10.2019 was circulated and no comments were received from any members. The meeting confirmed the minutes of the meeting held on 11.10.2019

The Committee noted the action taken report.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:02 – Proposal for the construction of Academic Block-II (G+6) for NIT Calicut

The committee discussed over the fact that the present student enrolment is 6300 and this will be increasing further due to starting of new programmes and implementation of reservation for EWS students. In previous year NITC set an all-time record by admitting 1,202 students to various UG programs only. Due to the massive admission to various programs the present infrastructural area is grossly inadequate and needs to be increased. Taking into consideration the present and future requirements of built space for class rooms, laboratories, etc a building for academic activities (Academic Block – II) near Department Building was proposed.

The committee also noted that MoE has allocated Rs. 37.20 crores for development of infrastructure needed for implementation of EWS scheme. And as per MoE communication, this amount will be released through HEFA and MoE will release the amount towards repayment of principal and interest amounts. As there is an acute shortage of built space it is proposed to utilize the whole amount for academic space development.

The committee has evaluated the architectural plan of the proposed building, which was submitted by CPWD. The proposed plan for the building is of G+6 floors with faculty rooms, class rooms, laboratories, etc with a total area of 9011 sqm. The committee examined the plan and recommended for the approval.

The estimate amounting to Rs. 37.203 Crore was prepared with DSR 2018 enhanced with approved cost index of 161 for Calicut city and DPAR 2019 with approved cost index of 36.44% for Calicut and LMR.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 37.203 Crores for the construction of Academic Block-II (G+6) for NIT Calicut. Sri. Anil Kumar, Director (Finance), MoE informed that the funding will be done by MoE under OH – 35 and not through HEFA. It was also informed that the delay in submitting the proposal to MoE on Academic Block is to be properly justified while sending the same with the Plan and Estimate for approval.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:03 – Proposal for the construction of 5 lakhs litre capacity Overhead water tank near Guest House

Presently water to Ladies hostels, guesthouse, Director's Bungalow and 200 Quarters is supplied from the overhead tank near the institute guesthouse. The tank is of 2 Lakh litres capacity and is more than 50 years old. There is heavy leakage of water due to cracks in wall and bottom of tank. Reinforcement is also corroded. Major maintenance of the tank was undertaken in the year 2000. The tank is in a very bad state and might fail also. Hence, it is proposed to construct a new tank. In the recent past 100 staff quarters and ladies hostel of 500 capacity were constructed. Another ladies hostel of 1000 capacity will be coming up in the residential area. Taking into consideration the present and future needs, it is proposed to construct new tank with capacity of 5 lakhs litres. The proposed tank will be constructed adjacent to the present tank, so that additional cost for piping will be minimum. Hence, the CPWD was requested to submit an estimate for the constructing of a new overhead tank of capacity 5 lakh litres. Subsequently, CPWD submitted the estimate for Rs. 258.28 lakhs, based on DPAR 2019 enhanced with cost index of 135 for Calicut city.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 258.28 Lakhs for the construction of 5 lakhs litre capacity Overhead water tank near Guest House.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:04 - Proposal for the construction of 5 lakh litres capacity Ground level water tank - near Water treatment Plant

Presently, water for the campus is supplied from pumping point in nearby Cherupuzha river. Water is pumped from this pumping point and treated in the treatment plant having capacity of 1.5 million litres per day (mld). Treated water is then pumped to water tanks at six different locations for distribution to various buildings in the campus. During summer the river is not having sufficient water. The general trend of decreasing the flow during summer months, which is noticed in almost all nearby streams as a consequence of land use change and climate change, is observed in Cherupuzha river also.

With the expected increase in students' intake due to starting of new programs and implementation of reservation for EWS, the water requirement will increase to 2.0 mld in the immediate future. Also, it is necessary to have alternative and reliable source of water supply. Hence, it was proposed to get treated water from Koolimadu river pumping station of Kerala Water Authority (KWA) and the same was approved by BoG. As per the proposal submitted by KWA, treated water will be delivered by KWA to a ground level tank.

It is proposed to construct a ground level storage tank of 5 Lakh litres capacity near treatment plant. Accordingly, CPWD was requested to submit estimate for construction of 5 lakhs litres capacity ground level tank. Subsequently, CPWD submitted an estimate for Rs. 145.99 lakhs, prepared based DPAR 2019 enhanced with approved cost index of 135 for Calicut city and at 36.44% above DSR2018 items and prevailing market rates for non-schedule items.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 145.99 Lakhs for the construction of 5 lakh litres capacity Ground level water tank - near Water treatment Plant.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:05 – Proposal for the construction of compound wall on residential side at NITC along Kunnamangalam - Mukkam road

The campus of NIT Calicut is spread over an area of 297 acres. While academic buildings and boys' hostels are in main campus, staff quarters and girls' hostels in residential area. These two areas are separated by Calicut-Mukkam road. Compound walls were constructed along both sides of the road in-order to minimize the public interference. The compound wall on residential area was constructed 25 years ago and the same has collapsed for a considerable length exposing the residential quarters to the public. The wall was constructed with hollow blocks and the damaged portion is beyond repairable condition. It is likely to collapse at many other places also. Compound wall is essential to ensure safety of residents by preventing entry of unauthorized persons, to prevent thefts and other unwanted incidents. Further, as MoE instructions, it is necessary to safeguard the institute land and properties and to avoid any accidents due to further collapse of damaged walls.

Hence, CPWD was requested to submit an estimate for constructing compound wall with precast slab and post. Based on the request CPWD has submitted an estimate for Rs. 1.28 Crores which was prepared with DSR 2018 of CPWD with cost index of 36.44%.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 1.28 Crores for the construction of compound wall on residential side at NITC along Kunnamangalam - Mukkam road.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:06 - Proposal for the construction of approach road for the Subway across Calicut – Mukkam road at NIT Calicut

It was discussed in the meeting that the Calicut-Mukkam road divides the campus of NIT Calicut into two parts. When the Mega hostels function with full strength, about 3500 students have to cross the road daily. Majority of Academic and Administrative sections of the campus are located in the north side of the road, whereas the Mega hostel for boys and all Ladies hostels including Mega ladies hostel, residential quarters, apartments, and library are located on the other side. In view of the safety of students and faculty, the BWC held on 10.10.2011 had approved the proposal for constructing a subway across the PWD road. The 47th BoG held on 05.02.2019 had approved the construction of Subway across the Calicut-Mukkam road by Kerala PWD. The BoG approved to entrust the work of approach road to CPWD. The possible road alignment and estimate for connecting the existing apartment roads, Mega Hostels and the proposed subway was studied during the meeting. The alignment chosen is the best considering the steep terrain of the area. The estimate prepared was for bituminous road of width 11 meter and 6 meter connecting Mega Hostel and Apartment area respectively. The CPWD has prepared an estimate amounting to Rs. 190.31 Lakhs, based on DSR 2018 enhanced with approved cost index of 135 for Calicut city at 36.44%.

The committee deliberated over the alignment and the estimate for the approach road and recommended for the approval of estimate for Rs. 190.31 Lakhs.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:07 - Proposal for the construction of Mega Hostel - I (Balance Work)

It is discussed in the meeting that the Mega hostel- I was envisaged for accommodating 1000 boy students. The construction of the Mega Hostel -I was awarded to M/s Era Infra Engineering Limited (EIEL) at an amount of Rs. 88.70 Crore as per agreement No. 44/2008-2009 dt. 30-01-2009. The contractor did not complete the work even within the extended deadline in spite of repeated warning. The BoG held on 05.02.2019 approved to terminate the contract of M/s EIEL and to rearrange the balance work with CPWD at risk and cost of M/s EIEL. Subsequently, M/s EIEL was terminated with effect from 27.03.2019 and the balance work was entrusted to CPWD. The balance work to be executed as per the agreement was identified and accordingly CPWD has prepared an estimate amounting Rs. 11.13 Crores based on DSR 2018 enhancing a cost index of 36.44% at Calicut.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 11.13 Crores for the construction of Balance work of Mega Hostel - I.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:08 - Proposal for extension of time of completion for the works of SITC of 6 no.s of lifts for Mega Hostel- I

It is informed that the work of SITC of six lifts for Mega Hostel I was entrusted to M/s. Johnson Private Ltd. and the site was handed over on 15th December 2014 with time of completion as 150 days. It may be recalled that the civil works of Mega Hostel I was entrusted to M/s. Era Infra Engineering Ltd (EIEL) in 2009. The BoG in 47th meeting held on 05.02.2019 had approved the termination of the contract with M/s EIEL and to entrust the balance work to CPWD. By that time, M/s Johnson Private Ltd erected two lifts and supplied materials for the remaining four lifts. BWC in its meeting held on 19.06.2019 extended the SITC of 6 nos of lifts for Mega Hostel-I, till 30-06-2020. Erection of lifts can be completed only after completing the civil works. The estimate submitted by CPWD for the balance work has already been placed in this BWC. M/s. Johnson Private Ltd. has requested for extension of time of completion of SITC of lifts up to 30-06 -2022 as the civil works are incomplete.

The committee deliberated over the facts and decided to recommend the extension of time for SITC of 6 nos. of lifts for Mega Hostel- I to M/s. Johnson Pvt. Ltd till 30/06/2022.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:09 – Proposal for the renovation of faculty rooms in electrical PG Block including providing aluminium partition and others

The Department of Electrical Engineering, NITC is functioning since 1961, the year of starting of NITC and the present faculty strength is 34. Among them, 12 faculty members are provided space in the form of cabins in the first floor of Electrical PG block. These cabins are of very small size and are not able to accommodate the minimum required furniture for a faculty. And moreover there is shortage of faculty rooms. The faculty strength will be further increased due to the ongoing faculty recruitment. It is therefore proposed to rearrange the rooms for better utilization of the floor area. An estimate amounting Rs.15.75 lakhs was prepared for renovation of faculty rooms in Electrical PG Block based on DSR 2016 of CPWD with a cost index of 49% for Calicut.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 15.75 lakhs for the renovation of faculty rooms in electrical PG Block including providing aluminium partition and others.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:10 – Proposal for the construction of Toilet block near Auditorium Building

Annually, several institute level programs such as orientation program, convocation, national level cultural festival, national level technical festival, etc. are conducted in the Institute auditorium located near Civil Engineering Laboratories. This is the only facility for such large events. Large number of students along with their parents attends these programs, which are generally conducted on non-working days. As the building was constructed long back, there is only one toilet at present. Participants and attendees of these programmes have raised complaints about lack of proper toilet facilities. Hence, a proposal to provide separate toilets for gents and ladies adjoining the auditorium was prepared. The estimate amount is Rs. 21.30 Lakh based on DSR 2018 for a cost index of 36.44%.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 21.30 Lakhs for the construction of Toilet block near Auditorium Building.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:11 – Proposal for the maintenance work to CAD/CAM building including providing sheet roof to machine room and water tank area

The building for the CAD/CAM center was constructed 17 years back. This building also provides space for other laboratories of the Department of Mechanical Engineering. Major leakage issue was solved recently by providing sheet roofing. The water leakage has caused peeling off the interior paint and creates shabby appearance. Spalling of concrete, which may cause accidents, was also noticed in the sunshades of the building. Sheet roofing is proposed in the machine room, where dampness was reported. Also, some repair works in the toilet to prevent seepage, which otherwise will result in a major repair in future, is also included. An estimate of 11.25 Lakh was prepared with DSR 2016 for a cost index of 49%.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 11.25 Lakh for the maintenance work to CAD/CAM building including providing sheet roof to machine room and water tank area.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:12 – Proposal for the construction of walkway from Mega Ladies Hostel premises to SOMS.

53% of students of the MBA programme offered by School of Management Studies are girls. All these girl students stay in ladies' hostels. The distance from ladies' hostels to SOMS through the internal road, via faculty apartments, guest house, is more than a kilometer and also the road is with many ups and downs. Even though the actual distance to the SOMS campus from the ladies' hostels is less the steep terrain of the area prevents direct road connection between the two. The students are therefore forced to take a long walk four times in a day, as suitable bus service is not available. A walkway connecting ladies' hostels and SOMS will reduce the walking time to less than five minutes. Hence a proposal was made for constructing a walkway connecting SOMS and ladies' hostels. An estimate of Rs. 9.85 lakh was prepared with DSR 2016 for a cost index of 49%.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 9.85 lakh for the construction of walkway from Mega Ladies Hostel premises to SOMS.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:13 – Proposal for providing aluminium partition in room no. 306 of Biotechnology Lab

The School of Biotechnology, NIT Calicut is presently offering an undergraduate programme in Biotechnology. As a part of the curriculum, laboratory courses related to Plant Biotechnology, Immunology, Bioinformatics, etc have to be conducted. The department shares the building space with Chemical Engineering department in the eastern campus. Room No. 306 in this building is of an area of 515 sq.m and remains underutilized because of its large size. At the same time separate/ dedicated spaces are not available for professional core practical courses. Separate laboratory spaces are essential for each of these laboratories, which otherwise result in loss of specimens, inaccurate results, as the experiments in these laboratories need to be conducted in sterile and closed environment without any contamination of microorganisms.

Hence, the School of Biotechnology requested to partition Room 306 so that separate spaces can be provided for different laboratories. With the proposed layout there will three laboratory spaces and a seminar hall. The present roofing for the room is provided with truss work at a central height of 7mtrs. Hence extra supports are required for a firm partitioning. It is proposed to provide GI frameworks and Aluminium partition. An estimate amounting Rs.28.95 lakhs was prepared based on DSR 2016 with a cost index of 49% in Calicut

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 28.95 lakhs for providing aluminium partition in room no. 306 of Biotechnology Lab.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:14 – Proposal for the construction of a new steel staircase for high performance computer lab in old central library building first floor

The committee noted the purchase and installation of High-Performance Computing Facility accomplished in the year 2020-21. Dedicated room with various facilities was suggested for the smooth functioning of the facility. Subsequently, necessary modifications were made to a room inside the old library building near the Department Building. It was informed that the only access to the room is through the passage between two halls of the old library building. The committee noted that the proposed steel staircase provides an exclusive access to HPC facility. The committee also noted that the new staircase will facilitate the usage of facility without disturbing the other rooms of old library building. The structure for the work is with steel sections and the technical specifications are found feasible. The estimate prepared based on DSR 2018 for a cost index of 36.44% in Calicut and amounting Rs.10.80 Lakh was examined.

The committee deliberated over the estimate and recommended for the approval of estimate for Rs.10.80 Lakhs for the construction of a new steel staircase to the first floor for High-Performance Computation Facility lab in old central library building.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:15 – Proposal for the urgent maintenance of lecture hall complex, including replacing of AC sheet by sandwich roof sheet in Aryabatta hall

The committee discussed over the present condition of the Aryabatta hall, which is one among the two dedicated halls for conducting all important functions, national level conference and seminars. The hall is designed to accommodate 420 persons at a time. The roofing provided for the hall is of Asbestos Cement sheet which was constructed 20 years ago, and considerable roof leakage was observed in certain portions of the hall. An urgent modification is necessary for the future functioning of the hall. The exterior wall of the hall was painted long back and presently bears a shabby appearance. It is informed that sandwich Trafford roofing sheets are proposed for necessary sound proofing. The committee examined the estimate amounting Rs. 18.10 Lakhs which was prepared based on DSR 2018 rates on enhancing the cost index of 36.44% for Calicut.

The committee deliberated over the estimate and to recommended the approval of estimate for Rs.18.10 Lakhs for the urgent maintenance of lecture hall complex, including replacing of AC sheet by sandwich roof sheet in Aryabatta hall.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:16 – Proposal for the renovation works of Director Bungalow

The committee discussed over the fact that the Director's bungalow at NIT Calicut is more than 35 years old. The existing aluminium doors and windows are damaged due to long term usage. The wall finishing in the bedroom and toilet are faded and damaged due to water seepage. Considerable leakage is evident from the corroded sheet roof portion. The spalling of cement plaster from the ceiling requires an urgent maintenance. The committee evaluated the estimate amounting Rs. 18.19 Lakhs for renovating the Director's Bungalow which was prepared based on the DSR 2018 enhancing a cost index of 36.44% at Calicut.

The committee deliberated over the estimate and recommended for the approval of estimate for Rs.18.19 Lakhs for the renovation works of Director's Bungalow

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:17 – Proposal for the construction of compound wall towards BSNL office to Cooperative store and old Post Office Building to Gymkhana Building premises near main road

It is informed that the exposure of campus to the public creates many undesired events. The 120 hectare campus of NIT Calicut has both public and internal road network. The Calicut Mukkam road crosses centrally through the campus and a public road passes through the entire northern boundary. The committee noted that a public road connects the above main roads. The campus infrastructure such as Gymkhana, Co-Operative store, and another building are by the side of this road. The compound wall along this road is damaged and the campus is exposed to the public at many locations. It is temporarily covered with sheets. In order to avoid public trespassing in to the campus, the construction of a compound wall at the area is very essential. The committee evaluated the estimate amounting Rs. 28.15 Lakhs, which was prepared based on DSR 2018 rates on enhancing the cost index of 36.44% for Calicut.

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs.28.15 Lakhs for the construction of compound wall towards BSNL office to Cooperative store and old Post Office Building to Gymkhana Building premises near main road.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:18 – Proposal for the renovation works in E6 A&B staff quarters 2020-21

It was noted in the meeting that E6 A&B staff quarters is one of the oldest buildings of the campus and no major maintenance, including painting, were not done to the building after construction. Currently, the condition of quarters is very pathetic and requires urgent maintenance. The wooden roofing material used for the construction such as beams, rafters and purlins are damaged due to lack of repair. The Mangalore roof tiles might fall off the roof support. Adding to that the Red oxide flooring of the quarter is also severely damaged. The committee evaluated the estimate amounting to Rs. 19.85 Lakhs which was prepared based on the DSR 2018 at a cost index of 36.44%.

The committee observed that the emergency maintenance work such as changing roof and false ceiling may be taken up for E6 A&B and E5 A&B quarters (renovation of E5 A&B is placed as an item in the same BWTAC as agenda number 2021:01:12). The other maintenance work may be taken up later along with the other E-type quarters. The committee informed that the estimate for the emergency repair of the above two quarters which includes roof repair and false ceiling is Rs. 28.90 lakhs.

The committee deliberated over the revised estimate and decided to recommend the approval of estimate for Rs.28.90 lakhs for the emergency repair work of E6 A&B and E5 A&B.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

021:01:19 – Proposal for the maintenance works to roads including re-carpeting from Eastern main gate to ATM junction near main building

The distressed conditions of the internal roads in the campus were discussed in the meeting. Majority of internal road network of the NIT Calicut is bituminous roads. The wide spread campus infrastructure compels the students and faculty to make use of campus bus service, two-wheelers and other private vehicles. The committee noted that the road starting from the eastern main gate has been severely damaged due to heavy monsoon and continued use for the last 15 years. This road is the part of the internal main road connecting two entry gate of the campus. The pot-hole formations and exposed base layer are creating unsafe situation to the users. The rain water stagnated in large pot-holes is causing difficulties to the pedestrians also. The committee evaluated the revised sketch and estimate amounting Rs. 9.80 Lakhs for maintaining the roads prepared based on DSR 2016 on enhancing a cost index of 49% for Calicut.

The committee deliberated over the revised estimate and decided to recommend the approval of estimate for Rs.9.80 Lakhs for the maintenance works to roads including re-carpeting from Eastern main gate to Auditorium building.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:20 – Proposal for providing LED Street lights near Architecture Block and East Campus area

The campus is having a vast network of roads connecting various departmental buildings, hostels, etc. Students attending classes/working in laboratories, research scholars conducting experiments and faculty members engaging classes late in the evening/ night are frequently reporting/complaining of unsafe conditions due to lack of street lights in certain portions of these areas. As the campus is covered with thick vegetation, snakes and other such poisonous reptiles are seen very frequently on these roads. So it is very essential to provide street lights for the safety of students and faculty.

Hence, it is proposed to provide LED Street lights on poles or wall mounted. An estimate amounting Rs.17.50 Lakh was prepared based on DSR 2018 for a cost index of 49% in Calicut

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs. 17.50 Lakhs for providing LED Street lights near Architecture Block and East Campus area.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:21 – Proposal for the renovation works in E5 A&B staff quarters 2020-21

The lack of maintenance in the E5 A&B staffs quarters has seriously affected the life of the building. After the construction, no major maintenance including painting was done to the building. At present the roofing of the quarters is in dangerous situation. The wall finishing of the quarters also has faded due to old age. Urgent maintenance is very essential for the continued use of the building. Accordingly an estimate was prepared for renovation work in E5 A&B staff quarters amounting to Rs. 19.95 Lakhs. The estimate was prepared based on the DSR 2018 at a cost index of 36.44%. The estimate includes the replacement of Mangalore tiled wooden roofing to GI Trafford roofing with GI supports.

The committee deliberated over the estimate and recommends the decision to conduct the emergency works of the estimate along with the renovation of E6 A&B (renovation of E6 A&B is placed as an item in the same BWC as agenda number 2021:01:18)

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:22 – Any other items with permission of the chair

2021:01:22 (a) - Termination of contract of M/s. Oriental Integrated Facility Management Pvt Ltd for the renovation works of Chanakya hall at NIT Calicut

Chanakya Hall of NIT Calicut is one of the two halls available for all important functions and events in the Institute. The damaged ceiling, insufficient air conditioning unit, non-acoustic side walls, small sized entrance door, inadequate spacing between occupant chairs and lack of space of the stage make the hall difficult to use for bigger events. The Department of Architecture and Planning, NIT Calicut had conducted a detailed study of the hall and suggested the modifications to be carried out. The major modifications suggested are as follows.

- Modification of the stage by increasing the width and providing wooden flooring
- Providing new acoustic ceiling and acoustical wall paneling
- Revamping the Air-conditioning system of the hall
- Providing a state of the art Audio-video facility
- Increasing the size and repositioning of main doors
- Providing desklet chair fixed on the floor

An estimate amounting Rs. 21.00 lakhs was prepared based on DSR 2016 on enhancing a cost index of 49% for Calicut was prepared. Considering the existing condition of the hall the BWC meeting held on 11th October, 2019 had approved the refurbishment of Chanakya hall (interiors and acoustical works) which was further approved by the 51st BoG held on 04th November, 2019. The approval was given to accomplish the work through TEQIP III funding and to be completed within the time frame specified in the TEQIP III guidelines.

Subsequent to the approval the renovation works, the Civil Work was awarded to M/s. Oriental Integrated Facility Management Pvt Ltd on 13-12-2019. After the initial start, the work was halted following the National lock-down in March 2020. Due to the pandemic situation, necessary relaxations for the time of completion were given for all the contractors who had commenced work in the campus. Even after the Unlock in respect of the improved conditions, M/s. Oriental Integrated Facility Management Pvt Ltd did not deploy labour at

site. In view of TEQIP III closure (31st March 2021) several reminders where given to the Contractor by NITC. In response to those communications, a representative from the Contractor visited the campus and informed that they would resume the work. However, neither the Contract Agreement was signed nor there was any work executed at site. On March 24, 2021, NITC sent an ultimatum to M/s Oriental Integrated Facility Management Pvt Ltd to re-start the work and complete the work at the earliest. In reply, on April 01, 2021 the firm informed that they are not in a position to continue the work and has placed a request for fore-closure and cancellation of the contract. The stoppage of civil work has affected other dependent electrical, air conditioning, procurement of audio video and furniture.
The following are the details about the work:

Estimated Amount	21.00 Lakhs
BWC Approval (BWC 2019:03)	11.10.2019
FC Approval (FC 49.04)	04.11.2019
BoG Approval (BoG 51.03)	04.11.2019
Contract Amount	19.93 Lakhs
Work Awarded	13.12.2019
Stoppage of work due to lock down	22.03.2020
Closure of TEQIP III funding	31.03.2021
Contractor request for pre-closure of work	01.04.2021

On account of the closure of TEQIP III, currently it is not possible to utilize the TEQIP funds for the continuation of the above work of Chanakya Hall. By considering the necessity of a well-furnished lecture hall and necessity of continuation of the Civil and Electrical works that were initiated, the Institute wishes to terminate the contract awarded to M/s. Oriental Integrated Facility Management Pvt Ltd and to initiate a fresh tender for civil work with funding from the Institute.

The committee deliberated over the matter and decided to recommend the termination of contract of M/s. Oriental Integrated Facility Management Pvt Ltd. Further the committee recommended for the completion of the balance work through institute funds by inviting fresh tender.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

BUILDING AND WORKS COMMITTEE MEETING (2021:01)

held on 28.07.2021, 11.30 am on Online Platform

2021:01:22 (b) – Proposal for the renovation of 52 numbers H-type Quarters

Currently the NIT Calicut is offering 11 UG programmes, 31 PG programmes and Ph.D. programmes in 15 academic departments/schools. As a residential campus, the NIT is providing quarters and apartments for majority of the staff and faculties and for PhD students. Recent recruitment of faculties had created severe shortage in the residential facilities forcing many of the newly recruited faculty to stay outside the campus. In addition to this the recent increase in the intake has resulted in a sudden increase in the number of students joining for the PhD program in various departments. The 30 numbers of new apartment type quarters which were constructed near 12th mile for supporting staff in the campus are now allotted for the research scholars with family. There are large numbers of research scholars who have requested for family accommodation and waiting for more than 2 years due to long waiting list.

There are 52 numbers of H-type quarters with carpet area of 36 to 40 m2 which were built about 40 years back to accommodate the supporting staffs in the campus. Among them 31 are lying vacant due to roof leakage and other major repairs. It is now proposed that the research scholars can be shifted to the H- type quarters so that the faculty can be accommodated in the new apartment type quarters. This will bring an immediate solution for the present crisis in giving accommodation for the faculty and research scholars.

Considering the situation, the BWC in 2012 (2012.02.05) had approved for the renovation of all the quarters (B, C, D, E, G & H) in the campus through CPWD. Subsequent to the approval from the BWC the renovation of 57 numbers of D quarters and 14 numbers C quarters was entrusted through CPWD and the work is nearing completion. In a similar line, an estimate for undertaking the renovation of H-type quarters was requested to CPWD. Accordingly, an estimate amounting 515.14 Lakhs for the renovation of H-type quarters was prepared by DSR 2018 on enhancing the cost index of 36.44% for Calicut by the CPWD.

The following are the details regarding the status of H-type quarters.

Number of Quarters	52
Period of Construction	More than 40 years

BWC Approval (BWC 2012:02)	10.04.2012
BoG approval	03.01.2013
Number of occupied quarters	23
Number of vacant quarters	31
Estimate amount	515.14 Lakhs

The committee deliberated over the estimate and decided to recommend the approval of estimate for Rs.515.14 Lakhs for the renovation of 52 numbers H-type Quarters through HEFA fund.

The Committee noted that all the works recommended in the Meeting would be prioritized and the execution of works would be undertaken as and when the required fund is made available.

The Director (Finance), MoE suggested that the list of Projects to be presented in FC and BoG may be prepared in the order of priority. The estimated amount and the actual fund requirement in different quarter may also be proposed.

Dr. Sathidevi. P. S Director (i/c), NIT Calicut	Sathidevi P.S.
Shri. Anil Kumar Director Finance, MoE, New Delhi	(Attended the meeting through video conference)
Lt. Col.(Retd.) Pankajakshan K Registrar & Secretary BWC, NIT Calicut	
Dr. Naseer M. A. Dean (P&D), NIT Calicut	
Dr. P. P. Anilkumar Professor, DAP, Nominee of BoG, NIT Calicut	
Shri. Chandrababu P. Deputy Chief Engineer, Electrical Circle Kozhikode	(Attended the meeting through video conference)
Dr. K. Krishnamurthy Superintending Engineer(i/c), Engineering Unit, NIT, Calicut (Invitee)	