

**Darbhanga College of Engineering, Darbhanga,
Bihar
TEQIP-III
Minutes of 7th Meeting of the Board of Governors
held on 27-08-2019**

The 7th meeting of the Board of Governors (BoG) of Darbhanga College of Engineering, Darbhanga was held on 27.08.2019 on the campus.

The following members and special invitees participated in the meeting:

SL.No.	Name	Email id and Mobile Number	Designation
1.	Prof. Manas Bihari Verma (Former Distinguished Scientist DRDO; Director ADA, Program Director, LCA Bangalore; Chairman, BoG, NIT Patna)	mb_verma@rediffmail.com Mob : 9934663428	Chairman
2.	Shri P.K. Sinha Co-founder and Director, Astric Computer (1) Pvt. Ltd., Patna	Prabhat.sinha@astric.in Mob : 9431017775	Member
3.	Shri Om Prakash Kheria Industrialist, Darbhanga	Jis.dbg@gmail.com Mob :9334934666, 9431219123	Member
4.	Dr. A.K. Rai Associate Professor, Dept. Civil Engg., Darbhanga College of Engineering, Darbhanga	amareshkumar1959@gmail.com Mob :9835489030, 8757519996	Member
5.	Dr. Raman Kumar Jha Head, Dept. of Mathematics, Darbhanga College of Engineering, Darbhanga	Rkjhabcel1985@gmail.com Mob :	Member
6.	Prof. Achintya Principal, Darbhanga College of Engineering, Darbhanga	dcedbg@rediffmail.com Mob : 9835050340	Member Secretary

Prof. Achintya, Principal, welcomed the Hon'ble Chairman and Governors of the Board. The Principal also thanked the Hon'ble chairman and all the Members for attending the meeting despite their busy schedule.


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1. Review of the last 'Minutes of Meeting' (MoM)

Minutes of the previous meeting of BoG held on 22 June was read out. Further, BoG was informed about the compliance and action taken on the decisions of the previous meeting. Some of the failures, accompanied reasons and challenges in achieving the desired targets were also explained. The minutes of the last meeting were finally read and confirmed.

2. Review of the "Action Taken Report" (ATR)

Sl.No.	Proposal/ Commitment	Action Taken
1	Workshop and training for Communication	<ol style="list-style-type: none"> 1. English soft skills training is scheduled to be held from September 2 – 7, 2019 for 3rd semester students. 2. As far as the Cambridge English Language programme is concerned, it is for 7th Semester students who are undergoing through their internship training and will start their return
2	Tools like IELTS/TOEFL/BEC for assessment	Assessment tools such as IELTS / TOEFL / BEC are tests that students are required to take post completion of training. It is imperative that students undergo minimum two targeted trainings before they take up the tests.
3	Purchase related to Library	<ol style="list-style-type: none"> 1. NICEE Institutional Membership has been ordered and payment done on 7th Aug 2019. 2. Procurement of Library digitization software along with hardwares and training package is in progress. The package is initiated. 3. Purchase of e-journals is in progress.
4	Installation of Campus Announcement System with multiple lines	Not yet done. It is better to install it after the main academic building is handed over. It may take not less than six months.
5	Installation of CCTV	The entire campus is not under CCTV surveillance however many parts of the academic building and classrooms are installed with CCTV. Entire campus will be made under CCTV surveillance after the main academic building becomes functional.
6	Installation of Intercoms with IP System	Not yet completed. It is better to install it after the main academic building is handed over. It may take six months.
7	Developing a plan for electric system	<ol style="list-style-type: none"> 1. Fans and tube-lights of all the class rooms have been either repaired or replaced. 2. A separate wiring for all the air-conditioners has been made. 3. Connection to mains will be done directly to the transformer.
8	Connection with generator	Connection with generator is done
9	Purchase of generator	Request for the same has been sent to the department.
10	LAN: NKN with cables till the Gate	Done.

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11	Extension of cables inside/on campus	Done.
12	Monitoring of Internet speed	Being monitored
13	Parental control to avoid unnecessary downloads by students	Not yet finalized. We have requested to provide individual user data to identify unwanted downloads.
14	Purchase of 2 units of Heavy-Duty Photocopier	Delivered. Payment to be made.
15	Renovation of Toilets	In the main building, one Washroom/Toilet near the Principal office has been renovated. Two more Washrooms/Toilets are to be renovated.
16	Installation of RO machines and water cooler	Ordered for 3 units of RO systems and water cooler through GeM. RO system is delivered and water cooler is yet to be received. Installation will be done as soon as water cooler is received.
17	Purchase of Incinerator for waste treatment process	1. For waste management, two bin system has been adopted. Dustbins have been purchased. 2. The procurement of incinerator is not yet done.
18	Purchase of one General purpose colour printer	Purchase order issued through GeM but the seller declined to supply. The item will be ordered again.
19	Workshop on idea generation	Successfully completed on August 06, 2019
20	Hack-e-thon	Planning organize hackathon through external agency. Tender process is initiated. Tentative dates for the said event is 12-15 September 2019.
21	Selection of NPIU empanelled service provider for GATE Training	PO issued to The Gate Coach on 15.07.2019 Classes began from 24 th August 2019
22	Identification of weaker students and measuring the performance of students for GATE classes	Zero level test is conducted on 26 th August 2019 for identification of weak students.
23	Selection of NPIU empanelled service provider for Employability skill Training	Order given to Ethnus Consulting Services Pvt. Ltd., Bangaluru for total 201 students of pre-final year. The Training has been started from 19 th August 2019 for 100 hours.
24	Employability Skill Assessment Test	Orientation session for the test is going on today in college campus. Employability Skill Assessment Test will be conducted for all the students of 2nd, 3rd and 4th year by Aspiring Mind Pvt. Ltd., Gurugram from 29 th to 31 st August 2019. It has been planned to get it done outside the campus from an external centre as our computer centre has limited facilities and at the same time other activities are already in progress at the computer centre.
25	Preparation of SAR by CSE and EEE Dept.	1. Application generated. Application Id -3967-16.08.2019. SAR will be uploaded by the end of September. 2. Based on the inputs from NBA expert team visited DCE, the Vision and Mission of all the departments have been modified that needs

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		approval from the BoG.
26	Remedial classes, monthly and weekly tests for students	<ol style="list-style-type: none"> 1. Remedial classes for 1st year backlog students are going on between 8 00 A M to 10 00 A M. 2. Prerequisite test taken by all faculty teaching in 5th semester.
27	Procurements of items under EAP	<ol style="list-style-type: none"> 1. Two Sanitary Napkin Vending machines has been ordered through GeM which is accepted by supplier and dispatched. 2. Readymade ramp is not available on GeM. The bidding process will be initiated soon. 3. Online grievance redressal software is under progress.
28	Activities under EMF	<ol style="list-style-type: none"> 1. Tree plantation drive done on 5th Aug 2019. 2. Regular maintenance such as cleaning of toilets is being done. 3. Fire safety audit is in process
29	Reconciliation between the actual expenses and M32	Not yet balanced. A method to do so has been suggested by NPIU consultant. It will be carried out soon.
30	Academic and Co-curricular activities	Details provided in the agenda 4.
31	Workshop on fundamental of surveying & Green Construction	Is under planning stage.
32	Workshop on Machine Learning	To be held in September 2019.
33	Labeling of items	To be carried out soon.
34	Physical verification of items per month and reporting to SPIU/NPIU	It is in process
35	Recruitment of new Program Manager	Ms. Saraswati Kumari has been selected and joined as Program Manager on 10-08-2019.

Agenda 3: Presentation on Progress and Activities of the TEQIP-III Project of DCE, Darbhanga after the 6th BoG meeting.

❖ **Workshop/Trainings/Short term courses attended by faculty members :**

- Three faculty members have attended one day workshop on Academic MIS organized by SPIU Bihar at Hotel Chanakya on 11 July 2019.
- Seven faculty members have attended one day orientation workshop on CRS Project organized by NPIU at AICTE Auditorium New Delhi on 16 July 2019.
- Five Faculty members have attended one day seminar on Good Governance organized by SPIU Bihar, at Hotel Maurya, Patna on 19 July 2019.
- One faculty has attended a GIAN Course on Global Initiatives on Academic Networks at NIT Durgapur from 22 July to 26 July 2019.

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- Four faculty members have attended the three – day workshop on NBA organized by SPIU Bihar at hotel Panache Patna from 23 July to 25 July 2019.
- Five faculty members have attended the five – day workshop on Machine Learning and Image Processing at IIT, Patna from 22 July to 26 July 2019.
- Three faculty members have attended one – day workshop on Recent Advancement in Geotechnical Engineering at MIT, Muzaffarpur on 28 July 2019.
- Two faculty members are attending five days FDP Program at IIM, Trichi from 26 July to 30 July 2019.
- Two faculty members have attended the one – day workshop on EAP and EAF organized by SPIU Bihar at Hotel Panache, Patna on 27 June 2019.
- Twenty Six faculty members have attended the five – day training program on Advanced Pedagogies at IIT, Kharagpur from 1 July to 5 July 2019.

In addition to this, the following activities have been taken place :

- ❖ Auto CAD training for Mechanical Engineering and Civil Engineering students had already done from 19th to 24th August, 2019.
- ❖ Training on soft skill is to be conducted from 2nd to 7th September 2019. The Budget of this program is 2.5 lakhs.
- ❖ Training on embedded system for EEE students and Java training for CSE students is going on from 26.08.2019 to 30.08.2019. The estimated budget for each activity is Rs. 3 lakhs.

Agenda 4: Approval on various academic activities planned for next Quarter.

Pre-approval

- ❖ Er. Sweta Kumari, IEEE 2nd International Conference on “ Power Energy, Environment and Intelligent Control” Organised by GL BAJAJ Institute of Technology & Management, Greater Noida Campus on 18 – 19 October 2019; Total estimated expenditure : Rs. 34,200.
- ❖ Er. PunamPrabha, IEEE 2nd International Conference on “ Power Energy, Environment and Intelligent Control” Organised by GL BAJAJ Institute of Technology & Management, greater Noida Campus on 18-19 October 2019; Total estimated expenditure : Rs. 34,200.

Employability Skill Training

- ❖ Employability Skill Assessment Test for academic year (2019-20) will be conducted for all the students of 2nd, 3rd and 4th year by Aspiring Mind Pvt. Ltd., Gurugram from 29th to 31st August 2019.

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- ❖ It has been planned to get it done outside the campus from an external centre as our computer centre has limited facilities and at the same time other activities are already in progress at the computer centre. Orientation session for the test is going on today in college campus.

Hack-e-thon

Hack-e-thon and Boot camp is scheduled from 12 to 15 September 2019. Estimated budget for this event is 12 lakhs.

Decision: The BoG asked for a detailed paper on the contents of this programme and its usefulness for the students. IIT and IISc should also be contacted for their possible participation. If this programme is conducted at DCE, Darbhanga, at first a seminar be conducted on the campus of DCE, Darbhanga.

Workshop/ Seminars for Students

- ❖ Training on solid works for Mechanical Engineering, Staad Pro for Civil Engineering students, Web design training for CSE students and PLC SCADA for EEE students are proposed after 15th September 2019. The estimated budget for each activity is Rs.1.5 lakhs. Total Cost Rs. 6 lakhs.

Soft Skill Training

- ❖ English soft skills training is scheduled to be held from September 2 – 7, 2019 for 3rd semester students.


Faculty Development Program

- ❖ An FDP is proposed for EEE and CSE, and for ME & CE in the month of November with the collaboration of IIT Patna. The estimated cost of it is around 20 lakhs (maximum Rs. 5 lakhs for each stream)

Agenda 5: Presentation of Annual Report

A hard copy of annual report is distributed to the Hon'ble Chairman and Governors of the Board.

Agenda 6: Approval on revised Procurement Plan


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The Principal proposed the revised Procurement Plan for Quarter- 02 (July- September, 2019) before the BoG. The department-wise details of the Procurement Plan are given in the table below.

1. Approval on updated estimated cost of lab equipment for each department:

There are following three types of cases with respect to purchase and procurement of items:

1. Cases where change in cost estimate between October – November 2018 and August 2019 have occurred. Reason for changes in estimates be given.
2. Cases where purchase order has already been placed on the increased cost over October – November 2018 and now items are either in transit or received.
3. Cases where purchase order is not placed because of Annual Maintenance Contract (AMC) disparity.

Type I cases

CIVIL ENGINEERING DEPARTMENT

Sl. No.	Package Name	Package Code	Estimated cost	Updated Estimated Cost
1	CIVIL P1	TEQIP-III/BH/dced/191	758600	18,00,000
2	CIVIL P2	TEQIP-III/BH/dced/192	86000	5,00,000
3	CIVIL P4 (MT LAB)	TEQIP-III/BH/dced/215	1259000	22,50,000
		Total	21,03,600	45,50,000

REMARKS:

Package P 1 This package consists of the apparatus for Geotechnical Engineering Lab, Transportation Engineering Lab, Material Testing Lab and Environmental Engineering Lab. At the time of first advertisement the price without GST for CIVIL P1 package was 7,58,600 and the amount was projected at the time of October November 2018. All the price is taken from internet, where minimum cost is available for each item. Specification of all the heavy items was changed in this re-advertisement. In some of the items, extra specification was added. Some of the suppliers whose tender amount may be low due to poor specification and tender documents can be selected, but we have changed our terms and conditions this time. Due to these factors, the cost of the package of equipment increased.

Package 2 This package consists of the apparatus for Fluid Mechanics Lab. At the time of first advertisement the price without GST for CIVIL P2 package was 86,000 and this amount was projected at the time of October – November 2018. All the price is taken from internet, where minimum cost is available for each item. Some of the suppliers whose tender amount may be low due to poor specification and tender documents can be selected, but we have changed our terms and conditions this time. Due to these factors, the cost of the package of equipment increased.

It was suggested to ask for 2-year AMC charge to those vendors who gave 1-year warranty in technical bid. After summation of equipment cost with 1-year warranty and 2-year AMC

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charges, the financial bid could be opened and necessary evaluation may thereafter be carried out.

Package 4 This package consists of the apparatus for Material Testing Lab. At the time of first advertisement the price without GST for CIVIL P4 package was Rs. 12,59,000 and the amount was projected at the time of October November 2018. The entire price is taken from internet, where minimum cost is available for each item. Specification of all the items was changed in this re-advertisement. Our aim is to get the instrument from the supplier having calibration certificate of all the apparatus, and the supplier is accredited by NABL. In some of the items additional specification was added. Some of the suppliers whose tender amount may be low due to poor specification and tender documents can be selected, but we have changed our terms and conditions this time. Due to these factors, the cost of the package of equipment increased.

MECHANICAL ENGINEERING DEPARTMENT

Package	Equipment	Estimated cost	Updated Estimated cost	REMARKS
ME P1	UTM	2200000	1400000	Reason for variation of estimated costs is because the earlier estimated cost projected in December 2018 was not enquired from the vendors rather it was taken from public domain of various websites and included in the estimate.
ME P2	Hardness testing machine	330000	250000	
	Bending Deflection	15000	30000	
	Strain Measurement	25000	30000	
	Universal speed Governor Apparatus	20000	65000	
	Static and dynamic balancing apparatus	15000	65000	
	Models of different Mechanisms	20000	60000	
ME P3	Optical Microscope	80000	340000	
	Surface Roughness Tester	170000	370000	
	Micrometer And Telescopic Gauge	100000	135000	
	TIG Welding Appratus	85000	232000	
	MIG Welding Appratus	85000	255000	
	Surface Grinder	250000	250000	
	Pedastal Grinder	50000	150000	
	Dynamometer(Cutting Force Measurements)	200000	155000	
ME P3	Radial Drilling Machine	200000	580000	
ME P4	Solder Torch	12000	12000	
	Brazing Torch	20000	20000	
	Gas Welding Apparatus	100000	150000	
	Hand Blower	15000	20000	
	Muffle Furnace	50000	75000	
	Autocollimeter	70000	350000	
	Power Hacksaw	100000	210000	
	ME P4	Robot	120000	

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Mech P18	Injection Moulding	170000	1000000
Mech P20	Wire EDM	2000000	2000000
Total		65,02,000	84,04,000

Sl. No.	Items	Qty	Estimated cost	Updated cost	REMARKS
1	Unsteady State Heat Transfer Apparatus	01	60,000	1,03,780	Reason for variation of estimated costs is because the earlier estimated cost incorporated in December 2018 was not enquired from the vendors rather it was taken from public domain of various websites and included in the estimate.
2	Heat Transfer in Film and Drop-wise Condensation	01	70,000	1,19,780	
3	Convective Heat Transfer Coefficient (flat plate)	01	20,000	76,780	
4	Bomb Calorimeter	01	12,000	1,56,780	
5	Mechanical Heat Pump Test Rig.	01	1,00,000	1,56,780	
6	Cooling Tower Set up	01	50,000	1,90,780	
TOTAL			3,12,000	8,04,680	

PHYSICS


Sl. No.	Tender ID	Package	Estimated Cost	Updated Estimated Cost	REMARKS
1	TEQIP-III/BH/dced/136	Physics P1	1,65,000	3,50,000	Reason for variation of estimated costs is because the earlier estimated cost incorporated in December 2018 was not enquired from the vendors rather it was taken from public domain of various websites and included in the estimate.
2	TEQIP-III/BH/dced/225	Physics P4	1,40,000	3,00,000	
Total			3,05,000	6,50,000	

ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT

Sl. No.	Tender ID	Package	Estimated Cost	Updated Estimated Cost	REMARKS
1	TEQIP-III/BH/dced/186	Electrical, P5	1,30,000	6,00,000	Reason for variation of estimated costs is because the earlier estimated cost incorporated in December 2018 was not enquired from the vendors rather it was taken from public domain of various websites and included in the estimate.
2	TEQIP-III/BH/dced/172	Electrical, P3	1,34,000	2,00,000	
Total			2,64,000	8,00,000	

Decision: The BoG decided that:

- (i) The difference between the cost estimates made in October – November 2018 and the present cost estimates for the PO value of the items for which PO has already


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been placed be brought before the Purchase Committee. Their recommendations be brought up to the next meeting of the BoG.

- (ii) The changes in actual Purchase Order value based on two – year AMC cost (wherever necessary) be also looked into by Purchase Committee and necessary changes be incorporated before putting it up to the next meeting of the BoG.

II. The Principal proposed Package for Procurement of Library Digitalization software, hardware, etc. at estimated cost of Rs. 8.5 lakhs. The BoG approved the same.

III. Under civil maintenance work, one toilet adjoining the Principal office has been renovated. The approximate cost of renovation is Rs. 64000/-. There are two more toilets/washrooms that need renovation. The tender processes on previous two occasions were failed due to the hard terms and conditions set through NPIU/world bank guidelines. The Principal requested the BoG to approve to give the renovation order to the same supplier for two more Toilets/Washrooms that would cost within 1.5 lakhs.

The BoG approved the same.

IV. The Institute had very old electrical wiring installed which was not capable of handling the load due to air conditioners and other heavy appliances procured through TEQIP projects. A separate wiring has been installed and it has also been connected to the generator. The Principal requested the BoG to approve the electrical wiring installation for smooth operation of air conditioners and other heavy appliances. The cost of this work is within 2.5 lacs.

The BoG approved the same.

V. Fresh approval on the items procured

Furniture for various cells

Sl. No.	Items	Qty.	Estimated Cost (Rs.)
1	Executive Chair	10	1,20,000
2	Waiting Chair (Set of three)	5	72,000
3	VISITOR CHAIR	30	3,00,000
4	LIBRARY BOOKCASE	5	90,000
5	MAIN DESK WITH FOOTREST	5	3,00,000
		Total	8,82,000

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The BoG approved the same.

Software and Hardware for Electrical and Electronics Engineering Department

SN	Equipment/Software	Estimated Cost
1	PCB and Antenna RF Prototype lab with Pick and Place Machine alongwith Reflow Oven of Electronic Design Lab of EEE Deptt.	19,00,000
2	DigSILENT Power Factory Software (PF4E) Education Version, 50 Busbars(25 Network Perpetual License Software based license)	22,00,000
3	CASPOC Software (16 network perpetual license Hardware Dongle based License)	20,00,000
4	Proteus software for EEE, CSE, CE and ME dept.	13,00,000
	Total	74,00,000

The BoG approved the same.

VI. Summary of the revised procurement plan for the Quarter July – September 2019:

- ❖ Updated cost of Lab Equipment: Rs. 1,52,08,680/- (One crore fifty two lakhs eight thousand six hundred eighty)
 - ❖ Software and hardware to be purchased: Rs. 74,00,000/- (Seventy four lakhs)
 - ❖ Furniture for various cells: Rs. 8,82,000/- (Eight lakhs eighty two thousand)
 - ❖ Civil maintenance works: Rs. 2,80,000/- (Two lakhs eighty thousand)
 - ❖ Electrical maintenance: 2,50,000/- (Two lakhs fifty thousand)
 - ❖ Library digitization: Rs. 8,50,000/- (Eight lakhs fifty thousand)
- [For Information].

Agenda 7: Approval of Proposed Action Plan of Quarter- 02 (July – September, 2019)

The Principal proposed the Action Plan of Quarter- 02 (July- September, 2019) before the BoG (Annexure 1). The BoG approved the same.

Agenda 8: The Expenditure made under TEQIP-III from July 2019 up to 27.08.2019

The Principal presented the expenditure made under TEQIP-III (Annexure 2) up to 27.08.19 which is to be approved. The head wise expenditure is as follows

Procurement: Rs. 63,21,434/- (Sixty three lakhs twenty one thousand four hundred and thirty four) only.

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Academic:	Rs. 21,17,367/- (Twenty one lakhs seventeen thousand three hundred sixty seven) only.
Operational cost:	Rs. 5,48,830/- (Five lakhs fourty eight thousand eight hundred and thirty) only.
TOTAL:	Rs. 89,87,631/- (Eighty-nine lakhs eighty-seven thousand six hundred and thirty-one) only.

The BoG noted the above.

Agenda – 10: Approval on appointment of Program Manager under TEQIP Project

The fresh advertisement (Adv. No.-TEQIP/DCE/Adv.-03) was published on 20.07.2019 for the post of Program Manager (on contract). Interview was scheduled on 05.08.2019. Ms. Saraswati Kumari has been selected and joined as Program Manager on 10-08-2019. The Principal has proposed the BoG for approval. The BoG approved the appointment of Ms. Saraswati Kumari as Program Manager.

Agenda – 11: Approval of Vision and Mission Statements of the Institute, and the Departments of Mechanical, Civil, Electrical & Electronics and Computer Science Engineering along with the Departmental PEOs and PSOs

The Principal presented the Vision and Mission Statements of the Institute, and the Departments of Mechanical, Civil, Electrical & Electronics and Computer Science Engineering along with the Departmental PEOs and PSOs (Annexure 3). The Principal has presented this before BoG for information.

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30/08/2019
(Prof. Achintya)
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(Prof. Manas Bihari Verma)
Chairman,
Board of Governors,
DCE, Darbhanga