



**B.M.S.COLLEGE OF ENGINEERING, BENGALURU-560 019**  
**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II**  
**EIGHTEENTH MEETING | 06.06.2016 |SUB-COMMITTEE OF BOG |MINUTES**

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**MEMBERS PRESENT:**

1. Prof. D. Thukaram, Chairman
2. Sri. M. Krishnaswamy, Member

**NODAL OFFICERS/CO-ORDINATORS PRESENT:**

1. Dr. G. N. Sekhar, TEQIP Co-ordinator I
2. Dr. L. Ravi Kumar, TEQIP Co-ordinator-II
3. Dr. Gowrishankar, Nodal Officer - Academic Activities
4. Dr.M.S.Dharmaprakash, Nodal Officer-Procurement
5. Dr. K. Guruprasad , Nodal Officer - Equity Assurance Plan Implementation
6. Dr. C. Lakshminarayana, Nodal Officer - Equity Assurance Plan Implementation
7. Dr. M. Indiramma, Co-ordinator-IIIC
8. Dr. M. C. Sampath Kumar, Nodal Officer- CV & EM
9. Dr. M. Ramachandra, Principal Investigator & Co-ordinator, CoE
10. Dr.S.Srinivas, Principal Investigator, CoE

The TEQIP Coordinator-I extended a cordial welcome to the members for the meeting. Dr.G.N.Sekhar, TEQIP Coordinator-I and in-charge Principal, informed the members that Dr.K.Mallikharjuna Babu, Principal and Convenor has sought leave of absence from the Chairman, sub-committee of BOG as he has to stay away from the college owing to certain exigencies. With the permission of the Chair, Dr.G.N.Sekhar presented the agenda for discussion.

**1. Ratification of Minutes of 17<sup>th</sup> meeting of BOG sub-committee by the BOG**

The members noted that the BOG has approved and ratified the minutes of the seventeenth meeting of Sub-committee, in its 62<sup>nd</sup> Meeting held on 31<sup>st</sup> March 2016 [Annexure-1].



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**2. Presentation in workshop at New Delhi**

The members noted that the World Bank and NPIU had organised a workshop for the benefit of institutions and affiliating technical universities (ATUs) of Bihar, Jharkhand, Madhya Pradesh, Chhattisgarh, Uttar Pradesh, Rajasthan, Orissa states during 6<sup>th</sup> Joint Review Mission (JRM) of TEQIP-II on 11<sup>th</sup> March 2016 at New Delhi and Dr. G. N. Sekhar, TEQIP Coordinator-I made a presentation on ‘EAP and improving transition rate at BMSCE’ on invitation by NPIU.

**3. Action plan for utilization of additional grants received under TEQIP-II (1.2):**

The members perused and ratified the revised action plan submitted to the SPFU & NPIU on 4<sup>th</sup> March 2016 for utilization of grants (unspent & additional) sanctioned for the period March 2016 to October 2016 [Annexure-2].

**4. Post Procurement Review (PPR) of TEQIP-II & COE for 2015-16 by World Bank appointed auditors:**

The committee noted that Post Procurement Review (PPR) for 2015-16 was conducted by M/s Global Procurement Consultants Limited on behalf of the World Bank on 27<sup>th</sup> Oct 2015 at NPIU, New Delhi and Dr. M. S. Dharmaprakash, Procurement Nodal Officer and Sri. R. Balaji, Procurement manager represented the college. The committee also noted that the two procurement packages of the college: (i) Procurement of Digital Repository [TEQIP-II/KA/KA2G04/217] and (ii) Procurement of Scanning Electron Microscope (SEM) [TEQIP-II/KA/KA2G04/216] were randomly selected for audit. Further, the members perused the response furnished by the college on the overall observations of the auditors and expressed satisfaction.

**5. Release of first instalment of additional grants:**

The members took a note that the first instalment of TEQIP II additional grants of Rs.250 lakhs has been received by the college on 17.5.2016.

**6. Award of Teaching Assistantship under TEQIP II**

The committee noted that 101 non-gate M. Tech. students admitted during 2015-16 have submitted applications for the award of teaching assistantships and noted that the allocated funds for this purpose have to be utilised before completion of the project i.e., tentatively fixed as October 2016.

The committee accorded approval for the award of teaching assistantship of Rs.8,000/-, per month to all 101 M.Tech students as per the list enclosed at Annexure-3 with effect from 1<sup>st</sup> January 2016 till October 2016 or till the allocated grants exhaust whichever earlier.



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**7. Award of Research Assistantship under TEQIP II**

The committee took a note of the application submitted on 1.6.16 by Ms. Sowmyalakshmi B.S., who has registered for full time PhD under the guidance of Dr. Shambhavi at the department of ISE for the award of research assistantship and accorded approval for the award of research assistantship of Rs.18, 000/- to her with effect from 1.6.16.

**8. Fiscal Incentive provided to UG Students and reimbursement of research project expenses provided to M. Tech. students :**

The committee noted that the TEQIP office is receiving requests for sanction of fiscal incentive being awarded to UG students for their research project from Rs.20,000/- per team to Rs.30,000/-. The committee accorded approval for the award of fiscal incentive to a maximum of Rs.30,000/- to UG students per batch based on the recommendation of the faculty committee & HOD with effect from the academic year 2015-16. The committee accorded approval for reimbursement of expenses incurred by PG students to the maximum extent of Rs.30,000/- towards their Research project on recommendation of the HOD with effect from the academic year 2015-16. The committee authorised the Principal for consideration of proposals above Rs.30,000/- in exceptional cases.

**9. Sanction of COE grants :**

The committee took a note of the NPIU communication dated 28.3.16 about the release of 50% of the second instalment of COE grants of Rs.83.335 lakhs to the state government with a direction to release the same to the college by providing matching grant of equal magnitude and also noted that the release of the said grants to the college is awaited.

**10. Visit of delegates to the COE:**

The members noted that the SPFU had organised a national conference on "Sharing of Achievements and Innovative ideas of CoE" at Siddaganga Institute of Technology, Tumkur during April 21-23, 2016 in collaboration with other COEs of the state and the following faculty members from the college have participated in the said conference.

1	Dr.K.Mallikharjuna Babu, Principal	5	Dr.M.Ramachandra, Coordinator & Principal Investigator-COE
2	Dr.G.N.Sekhar, TEQIP Coordinator-I	6	Dr.S.Srinivas, Principal Investigator-COE
3	Dr.L.Ravikumar, TEQIP Coordinator-II	7	Dr.Chandasree Das- Principal Investigator-COE
4	Dr.Martin Jebaraj, Director- R&D	8	Dr.M.V.Murugendrappa, Principal Investigator-COE



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The members also noted that COE coordinators of the college made a presentation in the conference on the progress made by the BMSCE-COE and as per the conference schedule, the delegates from all COEs in the country visited the Centre of Excellence at BMSCE on 23<sup>rd</sup> April 2016 and was concluded with a valedictory function at BMSCE premises.

**11. Audit of accounts by Internal auditors & SPFU appointed auditors:**

- 11.1 The committee took a note of the report of M/s Agarwal A. Kumar & Associates, Chandigarh, Chartered Accountants nominated by SPFU for the audit for the period 1.4.15 to 30.9.15 and also noted the auditors' statement that 'there are no key areas of weaknesses regarding procedural lapse and also have accepted the compliance submitted by the college on their previous audit observations'.
- 11.2 The committee noted that internal auditor for TEQIP funds nominated by the college, Sri.B.N.Jayaram, CA & his team have audited the TEQIP II & COE accounts for the year 2015-16 and are finalising the financial statements.
- 11.3 The committee also noted that SPFU nominated internal auditors, M/s Agarwal A. Kumar & Associates, Chandigarh audited the accounts for the period 1.10.15 to 31.3.16 on 30.5.2016 and the Statutory Auditors, M/s GRSM & Associates have audited the accounts of 2015-16 during 1-2, June 2016.

**12. Procurement under TEQIP-II additional grants :**

The committee noted that the NPIU through its communication dated 29<sup>th</sup> April 2016 has extended the date of completion of Procurement activities to 30<sup>th</sup> June 2016 [Annexure-4]. The committee noted the following status of procurement:

Description	Value in (Rs.) Lakhs
Total Allotment for Procurement under TEQIP-II additional grants of Rs.500 Lakhs approved	225.00
Purchase orders released	38.35
Initiated and in process (PO finalisation Level)	15.08
Initiated and in process (Quotation Receiving Level)	83.98
Proposals revised & submitted for approval	79.15
Balance available for consideration	8.44



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**After detailed deliberations, the committee ratified and accorded approval for the following:**

**12.1 Award of Purchase Orders to successful vendor:**

The committee ratified the purchase orders issued to the eligible vendors in the following cases.

Sl.	Package Name & Department	Purchase order Value (Rs.) in Lakhs	PO issued to
1	INFRARED CAMERA - CSE	8.77	M/s. Concept Electronics Pvt Ltd, Bangalore
2	ANALYTICAL HPLC - CHY	12.13	M/s Agilent Technologies India Private Ltd, Bangalore
3	HIGH SPEED CAMERA-ME	7.34	M/s. ARTIS Technologies and Services, Kundapur
4	SYSTEM OF PULSE REVERSE PRECISION PROGRAMMABLE RECTIFIER- ME	10.11	M/s. Shruthi Enterprises, Bangalore
	<b>TOTAL</b>	<b>38.35</b>	

**12.2 Technical evaluation and placement of Purchase order is in process:**

The committee noted that quotations are received in response to the Invitations for Quotations (IFQ) sent in case of the following packages and also noted that technical evaluation has been completed and placement of purchase orders is in progress. The committee accorded approval for placing the purchase orders in the following cases

Sl. No.	Package Name & Department	Actual Value/Order Value (Rs.) in Lakhs	PO to be issued to
1	MICRO WIND TURBINE TEST RIG - EEE	4.10	M/s. DREDO, Mysuru
2	BENCH TOP MUFFLE FURNACE - CH	0.56	M/s. Industrial Furnace & Controls, B'lore
3	INDUSTRIAL GAS MIXTURE and REGULATOR -CH	0.82	M/s. Chemix Specialty Gases & Equipment, B'lore
4	HIGH QUALITY WATER PURIFICATION SYSTEM – CH	3.60	M/s. Sartorius weighing India Pvt. Ltd., B'lore
5	DIGITAL VISCOMETER- CH	4.15	M/s. Aspire Inc., B'lore
6	ULTRA-SONICATOR - CH	1.85	M/s. Aspire Inc., B'lore
	<b>TOTAL</b>	<b>15.08</b>	



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**12.3 Invitation for Quotations (IFQ) issued and receipt of quotations in process:**

The committee noted that procurement process of the following packages is initiated and invitations for quotations (IFQ) have been issued seeking quotations.

Sl.	Package Name & Department	Estimated Cost in Lakhs (Rs.)
1	TEST RIG FOR TURBINE TESTING - ME	4.50
2	SCRAPE GRINDER, MIXER & FILAMENT EXTRUDER WITH ACCESSORIES - ME	5.80
3	Wire-cut Electric discharge machine (WEDM) - ME	13.00
4	HIGH TEMPERATURE PIN – ME	7.00
5	Electro-dynamic Vibrator – ME	8.48
6	Switched Reluctance Machine (SRM) Drive- EEE	9.00
7	I-SENSE & BLUMIX - ECE	5.30
8	WIRELESS NETWORK & ACCESSORIES - ECE	13.60
9	I-SENSE SENSOR FRAMEWORK - ECE	4.00
10	CAMERA & EEG ACQUISITION SYSTEM – IE	2.50
11	INTERNET OF THINGS(IOT) - TCE	1.00
12	COMPUTER NETWORK SYSTEM - TCE	4.30
13	FLORESCENT MICROSCOPE - BT	5.50
	TOTAL	<b>83.98</b>

**12.4 Change of items in the approved list and cost escalation from the initially estimated costs:**

The committee noted that a few proposers have sought for change of items/specifications in the previously approved list and cost escalation from the initial estimates in the case of following packages and accorded approval for the same.



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Sl.	Package	Current Estimated Cost (Rs.) in Lakhs	Permission sought for	Justification
1	SOLAR PANELS to demonstrate the effective utilization of renewables on an integrated grid -EE	6.00	Enhancement of budget to Rs.6.00 lakhs from the approved budget of Rs.2.50 Lakhs [Non-recurring budget of Rs.2.5 lakhs & recurring budget of Rs.4.00 lakhs is sanctioned for this item]	The current Solar panels proposed include non-recurring items also which are fabricated into the panels making them one complete solution for the project.
2	Fast Performance Liquid Chromatography FPLC-BT	16.00	Enhancement of budget to Rs.16 lakhs from the approved budget of Rs.10 Lakhs	Due to significant technological improvements in the product since the submission of the proposal and associated price variation.
3	Glue Dispenser Machine – R&D Centre	2.29	Fresh proposal for purchase to be initiated	Recommended by Director (R & D)
4	Fume hood, High Temp Oven, White Light illuminating system, Refrigerator, Hot-stage with stirrer and other items – R&D Centre	9.00	Change of item to Fume hood & other items from Optical material storage material at the approved budget of Rs.9 lakhs	DST grant is secured for the procurement of UV/Vis Spectrophotometer for Optical material storage material
5	Autoclaves, Digital Balance, Vacuum Filtration unit and other items - Physics	2.95	Fresh proposal for purchase to be initiated	Recommended by HOD-Physics to encourage the R & D Activities in Department of Physics
6	SYSTEM OF PULSE REVERSE PRECISION PROGRAMMABLE RECTIFIER - ME	8.30*	Release of P.O. with payment of advance of Rs.4.00 Lakhs against the Bank Guarantee [PO released-ratification of action sought]	TEQIP-II norms permits the option of advance against security like Bank Guarantee for an equal amount
7	THERMAL STORAGE SYSTEM- Chemistry	9.66	procurement at a cost of Rs.9.66 Lakhs against the approved budget of Rs.13.55 lakhs	DST grant is secured for the procurement of Polarising optical microscope.

\*Item processed for PO, permission is sought for payment of advance against Bank guarantee.



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Sl.	Package	Current Estimated Cost (Rs.) in Lakhs	Permission sought for	Justification
8	LINEAR RECIPROCATING TRIBOMETER (for Partial-slip contacts) - ME	7.75	Procurement of a Linear Reciprocating Tribometer at the cost of Rs.15 Lakhs	Linear Reciprocating Tribometer proposed as a single machine that meet the requirements of both Partial-slip contacts & Fretting corrosion research proposals.
9	LINEAR RECIPROCATING TRIBOMETER (for Fretting corrosion tests)-ME	7.50		
10	RAMAN SPECTROMETER-Chemistry	10.00	Change of item to Raman Spectrometer at an estimated cost of Rs.10 Lakhs from Microwave Reactor at an estimated price of R.2.30 lakhs	Raman Spectrometer is a useful tool to all streams for material characterisation
11	PROTOCOL ROUTER with Ethernet and B-ISDN Interfaces Central Facility at Data Centre	8.00	Enhancement of specification and new estimate of Rs.8 Lakhs from earlier Rs.6.80 Lakhs approved on 11.11.2014	Change of specification to meet the current requirement and general price rise since the submission of the initial proposal.
	TOTAL	79.15	(leaving the item no: 6)	

**13 Revision of pay of Data Entry Operator**

The committee noted that the consolidated pay of Smt. P. V. Padmini, working as Data Entry Operator on contract basis since three years in the TEQIP office has been revised to Rs.13,310/- from Rs.12,100/-, per month with effect from 6<sup>th</sup> March 2016 considering her satisfactory services. The Chairman informed the TEQIP Coordinator-I to fix her consolidated salary as Rs.15,000/- per month with effect from 1<sup>st</sup> June 2016.

**14 Approval to the faculty/staff attending programs.**

- (a) The committee took a note of consolidated list of the approvals of the sub-committee received by circulation for deputing faculty/staff members to attend various programs & conducting programs under TEQIP II/COE placed at Annexure-5.





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- (b) The committee took a note of consolidated list of the approvals of the sub-committee received by circulation for deputing students to attend various programs under TEQIP II placed at Annexure-6.
- (c) The TEQIP Coordinator-I briefed the committee that two international conferences are scheduled to be held in the college during June 2016. He informed the committee that the Department of Mathematics & Humanities of BMS College of Engineering, India Platform and the Ghent university, Belgium are co-organising the international conference on 'Liberal education and the future of the University' at the college during June 10-11, 2016 with focus on the university and the crisis of the social sciences and humanities since the cold war, the disintegration and liberal education in the west, impact of colonialism on Indian education and introducing Indian culture in higher education. The committee noted that the college proposed to meet expenses towards conduction of the conference and local hospitality for the resource persons and invited speakers and accorded approval for the same. Dr. M. Ramachandra, Coordinator of COE in advanced materials research briefed the committee about the arrangements being made for the conduction of the international conference on 'Advanced Materials and Applications-ICAMA2016' during June 15-17, 2016.
- (d) The committee noted that the college is deputing technical staff members for training programs conducted by the Ministry of skill development and entrepreneurship, Directorate General of Training at Apex Hi-Tech Institute and by paying the required registration fee and travel allowance to the deputies as per the norms. The committee also noted that college has initiated conduction of training programs for the administrative staff on communication skills by hiring the local experts. The committee accorded approval for the same.
- (e) The TEQIP Coordinator-I informed the committee that the arrangements are in progress for conduction of 'PHASE SHIFT 2016' during September 2016 as an activity of Industry-Institution-Interaction.
- (f) The Committee took a note of the proposals and accorded approval to the faculty for conducting/attending various programs under TEQIP II/COE [Annexure-7].



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**15 Any other items with the permission of the Chair.**

With the permission of the Chairman, Dr.S.Raghunath, Professor-CV has made a brief presentation of his proposal for bringing out a handbook documenting the various details about construction of houses based on the regional, climatic conditions etc., The committee after perusing the proposal accorded approval for meeting the expenditure towards transportation for survey and data collection. While appreciating the proposal, the committee opined that his work will be useful to the society only when it is publicised and training is provided for the concerned in using the data book. Further, the Chairman advised him to submit a proposal with the themes of national interest like 'SWACH BHARATH' for consideration by the MNRA.

Dr. G.N.SEKHAR

PRINCIPAL (I/C) and CONVENOR

Prof D. THUKARAM

CHAIRMAN