

**SEVENTH MEETING | 11.09.2013 | SUB-COMMITTEE OF BOG | MINUTES**

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**MEMBERS PRESENT**

1. Prof. D. Thukaram, Chairman
2. Sri. M. Krishnaswamy, Member
3. Dr. K. Mallikharjuna Babu, Principal & Convenor

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

1. Dr. G. N. Sekhar, TEQIP Co-ordinator I
2. Dr.L.Ravikumar, TEQIP Co-ordinator-II
3. Dr.K. Guruprasad , Nodal Officer - Equity Assurance Plan Implementation
4. Dr. K.R.Suresh, Nodal Officer – Financial Aspects
5. Dr. H. S. Guruprasad, Nodal Officer - Academic Activities
6. Dr.C.Lakshminarayana, Nodal Officer - Equity Assurance Plan Implementation
7. Dr.M.C.Sampath Kumar, Nodal Officer-CW including EM
8. Dr.M.Indiramma, Coordinator-IIIC
9. Dr.S.Gowrishankar, Nodal Officer - Academic Activities
10. Sri.C.T.Puttaswamy, Nodal Officer-CW including EM
11. Dr.M.Ramachandra, Co-ordinator, CoE

The Principal and the convenor of the sub-committee of BOG welcomed the members for the meeting.

**1. Read and record the minutes of the sixth meeting of the BOG sub-committee held on 16<sup>th</sup> July 2013.**

The minutes of the sixth meeting of the BOG sub-committee held on 16.7.2013 were read and recorded [Annexure-1].

**2. Review of project's progress by an Internal Review Committee:**

The committee took a note of communication from the SPFU dated 6<sup>th</sup> June 2013 asking the institution for the conduction of an internal review through a review committee consisting of senior academicians like Institute's Mentor & senior professor of the institution.

The committee opined that the BOG-subcommittee is already reviewing the progress in its periodical meetings and asked the Principal to carry out the review for the month of October 2013. The committee further noted that the visit of the Institute's Mentor is due for the October 2013.

**3. Assessment of Institutions' performance:**

The committee noted that the NPIU has communicated [vide mail dated 25.7.13] all the institutions that a mid-term review has been scheduled during November 1-15, 2013 for assessing the institutions' performance in the project. The committee also noted that the institutions are required to meet all the eight targets of the key performance indicators mentioned in the letter by 31.10.13 and institutions which fail to meet one or more targets will receive no more funds under TEQIP-II. The committee further noted that the best performing ten institutions would be eligible to receive additional funds up to Rs.5 crore. Performance will be assessed by the percentage of disbursement as against total allocation.

In this regard, the Principal informed the committee that the institutions in other states have a better chance to compete, compared to the institutions in Karnataka, as the project started one year late in Karnataka.

The committee observed that out of the first instalment of grants of Rs.200 lakhs, an amount of Rs.191.46 lakhs has been utilised as on 31.8.2013 and also noted that an amount of Rs.100 lakhs has been received as advance from the college funds till the second instalment of grants are released from the SPFU. The committee expressed its satisfaction on the activities that are in progress.

**4. Audit of TEQIP- II accounts as on 31.3.2013 by the Chartered Accountant**

The committee noted that the audit of accounts of TEQIP-II for the year ending 31<sup>st</sup> March 2013 has been conducted by Sri.B.N.Jayaram, chartered accountant nominated by the college and perused the audit report dated 15.7.2013 and certified financial statements and accepted the same [Annexure-2].

The committee also noted that auditors from M/s GRSM & Associates nominated by SPFU have also audited the TEQIP-II accounts for the year ending 31<sup>st</sup> March 2013.

**5. Deputation of faculty members to Conferences/Training/workshop etc**

The committee noted that more number of programs is being conducted under TEQIP-II and the members of faculty & Staff of the college is seeking permission to attend more than 2 programs [within India] in a year.

The committee noted the existing BOG norms that a faculty member can avail financial assistance for participation in a maximum of 2 programs [within India] in a year and one in three years for paper presentation abroad. In view of the targets set forth in the project, the committee resolved to permit the faculty & staff to attend more than 2 programs conducted [within India] during the TEQIP II period.

After detailed deliberations, the committee decided to maintain status-quo in respect of sponsoring faculty i.e., to extend financial assistance to a faculty member to present research paper abroad, once in three years.



**6. Reimbursement of Registration fee for Doctoral of Science degree**

The committee reviewed the requisition submitted by Dr. G.Varaprasad, Associate Professor in the department of Computer Science & Engg, seeking reimbursement of registration fee of Rs.50,000/- paid to the Tumkur University towards D. Sc. degree.

After detailed deliberations, the committee decided not to permit the reimbursement of fee paid by him and also suggested not to encourage such activities in future.

**7. Review of Procurement Status:**

The TEQIP Co-ordinator-I informed the committee that a paper advertisement would be coming on 12.9.2013 publicising FIVE National Competitive Biddings [NCBs] related to procurement. The committee noted the contents of the advertisement and approved the same.

Based on the submission of the procurement manager, the committee permitted for placing repeat orders for items within a span of three months, after ascertaining that no better products are available in the market at a more competitive price.

The committee accorded approval for the proposed changes/modifications in certain packages of procurement [Annexure-3].

While on the subject, the Program coordinator-I submitted to the committee that the R & D director has provided his comments on the proposal submitted by Dr. K. J.Rathanraj, Professor-IM and Sri. C. K. Chandrababu, Associate Professor-ME for the procurement of the Rapid Proto-typing machine and that it is recommended to enhance the estimate and allocation to Rs. 44 lakhs as against the proposed cost of Rs.32 lakhs to pave way for procuring the equipment with latest developments/specifications as per the market survey and the advice of experts from the GTRE.

The committee approved the proposal in principle and asked the Program coordinator-I to initiate the necessary steps.



**8. Meeting the expenses of students for their participation in workshop/conference:**

The committee noted that the representatives of MHRD & NPIU, in a meeting of the Principals & Co-ordinators of TEQIP institutions held on 12.8.13 at SPFU, have permitted for meeting the travel expenses & registration fee of students participating in workshop/conference etc. under TEQIP-II subject to approval of BOG.

The committee resolved to permit extension of financial assistance to students participating in workshop/paper presentation in conferences in India. The committee also resolved to consider the financial assistance to student for presenting his/her paper abroad case by case.

**9. Representation of Sri. G. Darshan, [M.Tech (DC)] to continue teaching assistantship:**

The committee noted that the teaching assistantship of Sri.G.Darshan, student of M.Tech [Digital Communication] was withheld from March 2013 in view of his failure to clear all the subjects of first semester in first attempt. The committee also noted that out of the 4 failed subjects of first semester, the student had cleared 2 subjects in revaluation and has cleared all the subjects of II Semester. Based on the fact that Sri. G. Darshan is eligible to pursue III Semester M.Tech as per the norms of the VTU, without any discontinuity in the course, the committee permitted the payment of the teaching assistantship withheld from March 2013 to Sri.G.Darshan and resolved to continue the award of teaching assistantship for further period of his M.Tech course.

The committee also asked the TEQIP Co-ordinator-I to drop clause No.6 in the Guidelines for the award of teaching assistantship to maintain uniformity with the guidelines of AICTE in continuation of scholarship.

TEQIP Co-ordinator-I submitted to the committee that during the previous academic year, a few aspirants were deprived of teaching assistantship based on the number of teaching assistantships awarded during 2012-13. Further, he submitted that there is enough fund available for awarding teaching assistantship to all the non-GATE & non-sponsored students and sought





permission of the committee to award teaching assistantship to all those who are on the rolls of I & II year M.Tech course during 2013-14.

After deliberations, the committee approved the proposal and ordered for the award of teaching assistantship to all the non-GATE & non-sponsored students who are on the rolls of I & II year M.Tech course during 2013-14.

**10. Honorarium to officials/staff working for the TEQIP – II:**

The committee took a note of the mail from NPIU dated 7.8.13 clarifying that the institution may provide honorarium to the nodal officers/co-ordinators/staff working for TEQIP-II and the institution shall lay down norms in this regard.

After detailed deliberations, the committee asked Dr. L. Ravikumar, Dr. S. Gowrishankar and Dr.H.S.Guruprasad to submit a proposal to the committee in its next meeting.

**11. Award of teaching Assistantship to M. Tech. students receiving Internship:**

The committee perused the letter submitted by Mr. Shoeb M.Balabatti, student of III Semester M. Tech. [EC] being offered internship from INTEL. The committee resolved that the students availing internship cannot avail Teaching Assistantship and the choice would be of the student.

The committee also informed the TEQIP Co-ordinator-I to issue a circular notifying the decision of the committee and seek a status report from all the students of II year M.Tech course.

**12. Sponsoring Faculty for workshop/training etc., outside the college & conduction of in-house activities:**

The committee reviewed the proposals of the faculty members for attending various programs in India and abroad with financial assistance from TEQIP and accorded approval for the same [Annexure-4].

The committee also accorded approval for the conduction of workshop on “Intelligent Machines & Systems” by the department of Mechanical Engineering in the college scheduled during January 2014 at an approximate cost of Rs.3.36 lakhs.



### **13. Study visits by the Faculty to Universities at Canada & Australia**

The committee perused the copy of SPFU mails dtd.8.8.13 & 23.8.13 seeking the deputation of faculty for a study visit/interaction with the faculty members at various universities in Canada and Australia. The committee also took note of the approval by the Principal [Annexure-5] and the proposal sent to SPFU.

The Principal informed the members that as per the approval of the BOG sub-committee in its previous meeting, he will be participating in the Global Engineering Deans Conference [GEDC] at USA during October 19 to November 01, 2013. He also informed the members that during the said visit, he would be visiting Purdue University, Iowa State University, Michigan State University & University at Buffalo, University of Michigan (Ann Arbour) & North Carolina Universities.

Further, the Principal brought to the notice of the committee that the BMSCE is one of the stake holder member of India Platform that promotes interaction among the European Universities and leading Technical Institutions of Karnataka. As a part of this MOU the European Universities visited Indian counter parts in April 2013. In response, the Indian Institutions (a delegation) will be visiting European Universities/Institution during October 2-13, 2013. This event is facilitated & coordinated by the India Platform. From BMSCE, a team of faculty namely Dr.G.N.Sekhar, Vice Principal (representing the Management) & Dr.M.Ramachandra, Professor, Mechanical Engineering Department (subject expert) are being nominated. They are expected to interact with their European counterparts at the universities at Groningen, Ghent, Antwerp and Averio to know the best practices & explore the possibilities for mutual collaborations.

The Principal informed the members that in view of the deputation of Dr.G.N.Sekhar and Dr.M.Ramachandra to India Platform program, it is likely that the duo may be unable to visit the Canadian University as proposed earlier.





After detailed discussions, the committee approved the proposed nominations of faculty members to the countries Belgium, Canada, Australia and USA. The committee authorised the Principal to make necessary changes in the proposed names of nominees subjected to the availability.

**14. Release of fund to Centre of Excellence in Advanced Materials Research**

The committee took a note of the NPIU letter No.NPIU/TEQIP-II/FIN/23/1058 dated 27.8.13 about the release of Rs.333.33 lakhs [Central + State share] as grants for establishing the CoE in Advanced Materials Research for the year 2013-14 and the amount is yet to be received by the college from SPFU/GOK[Annexure-6]. The committee also noted that a separate SB account at Allahabad bank, Hanumanthanagar Branch has been opened as CoE-TEQIP-II with No.50166755417.

**15. Activities of the Centre of Excellence in Advanced Materials Research:**

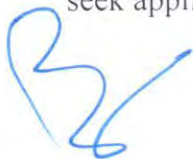
**(a) Appointment of Research Assistants:**

The committee approved the proposal to appoint one research assistant to work with each of the Co-ordinators/principle investigators of the COE and agreed to appoint two or more research assistants for the said purpose if suitable candidates are available. The committee advised for calling applications through the college website.

**(b) Appointment of Senior Research Advisor:**

Dr.M.Ramachandra, Co-ordinator, Centre of Excellence (COE) proposed to invite Expression of Interest from the researchers/retired professionals having enough exposure and experience in the research area of Advanced Materials and appoint them as senior research advisors under COE.

The committee approved the proposal and asked the programme co-ordinator to initiate necessary steps by inserting an advertisement in newspaper and also to seek applications through college website.



**(c) Procurement of equipment for the Centre of Excellence:**

The committee perused the proposals of procurement under COE and approved the procurement of following equipment for establishing the Centre of Excellence in Advanced Materials Research and directed to initiate the process of procurement for the below mentioned items following the norms of the TEQIP-II

SNo	Description of Works/Goods	Estimated Cost (Rs)	Mode of Procurement
1	Scanning Electron Microscope (SEM)	100,00,000	NCB
2	X-Ray Diffraction analyzer (XRD)	70,00,000	NCB
3	Abrasive Water Jet machine (AWJ)	90,00,000	NCB
4	FTIR Spectroscopy equipment	9,50,000	DC
5	Dual Sputtering Equipment	18,00,000	NCB
6	Magnetic Stirrer	6,000	Shopping
7	Rectangular muffle furnace	23,000	Shopping
8	Heating oven Up to 300° C	25,000	Shopping
9	Heating Mantle	3,000	Shopping
10	Hydraulic press, 15 ton capacity	51,000	Shopping
11	Agate Mortar & pestle	1,500	Shopping
12	Ice Maker	1,50,000	Shopping
13	Dies and Plunger	12,000	Shopping
14	Rotary Vacuum pump	9,000	Shopping
15	ASM hand books on materials	2,50,000	Shopping
16	Additional journals in the thematic area of Advanced Materials through science direct & springer link	8,00,000	Shopping/DC

Note: NCB-National Competitive Bidding; DC-Direct Contract

**(d) Collaborations:**

**(i) Collaboration with Magod Laser Machining Pvt Ltd., Bangalore.**

The committee noted that the Coordinators are conducting discussions with M/s Magod Laser Machining Pvt. Ltd., Bangalore for applicable research and product development and to have the collaboration for research in machining of advanced materials using water jet and Laser beam methods.



(ii) **Collaboration with NOPO Nano Technologies India Pvt. Ltd., Bangalore.**

The committee noted the discussions being conducted by the coordinators with M/s NOPO Nano Technologies India Pvt. Ltd., for a collaboration activity for development of Nobel Prize winning material Carbon called grafene for applications in civilian and military areas.

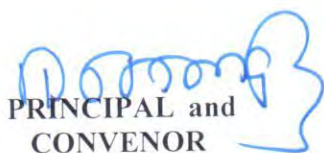
(iii) **Collaboration with NAL, HAL, TATA Advanced Materials:**

The committee noted the coordinators are also conducting discussions with NAL, HAL and TATA Advanced Materials for collaboration for research and development.

The committee noted that the above proposed collaboration activities are for

- a) Research in futuristic polymer composites for impact resistance material which finds its application in Car and Truck Bodies.
- b) Research in special coatings for composite materials used in air craft for withstanding high temperature especially in LCA wing portion that carries Air to Air missiles.

The committee approved the above proposals and requested the coordinators and the Principal shall complete MOUs with the said agencies at an early date considering the expected time lines of the SPFU/NPIU.

  
PRINCIPAL and  
CONVENOR

  
CHAIRMAN,  
BOG SUB-COMMITTEE

**SIXTH MEETING| 16.07.2013 |SUB-COMMITTEE OF BOG |MINUTES**

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**MEMBERS PRESENT**

1. Prof. D. Thukaram, Chairman
2. Sri. M. Krishnaswamy, Member
3. Dr. K. Mallikharjuna Babu, Principal & Convenor

**NODAL OFFICERS PRESENT:**

1. Dr. G. N. Sekhar, TEQIP Co-ordinator I
2. Dr. M. S. Dharmaprakash, Nodal Officer – Procurement
3. Dr. H. S. Guruprasad, Nodal Officer - Academic Activities
4. Dr.K. Guruprasad , Nodal Officer - Equity Assurance Plan Implementation
5. Dr. K.R.Suresh, Nodal Officer – Financial Aspects
6. Dr.M.Indiramma, Coordinator-IIIC

The Principal and the convenor of the sub-committee of BOG welcomed the members for the meeting.

1. **Approval & ratification of the BOG for the activities of TEQIP-II for the period 29.3.13 to 12.7.13.**

The committee noted that the BOG in its meeting held on 15.7.2013 ratified & approved the activities of TEQIP-II held during 29.3.2013 to 12.7.2013 and expressed its satisfaction.

2. **Center of Excellence [COE] in Advanced Materials Research:**

The Principal informed the members that the NPIU communicated to the college that one of the proposals submitted for the award of COE in “Advanced Materials Research” was accorded permission [Annexure - I] and introduced the following team of proposers of the said COE:

Sl. No.	Name of the Faculty	Designation in COE
1.	Dr. M. Ramachandra	Coordinator
2.	Dr. Chandrasree Das	Coordinator
3.	Dr. S. Srinivas	Principal Investigator
4.	Dr. V. Murugendrappa	Principal Investigator



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The committee expressed its appreciation and congratulated the coordinators and principal investigators.

The TEQIP coordinator informed the members that the NPIU in its letter dated 12.7.2013 stated that the proposed expenditure need to be completed before December 2014 and requested them to submit their plan of action to the TEQIP office at the earliest for seeking the approval of the sub-committee of BOG.

**5. Reimbursement of expenses incurred for paper presentation abroad**

The committee noted the decisions/minutes of the meeting conducted by the Central Project Advisor with the representatives of the participating states on 19.6.13. The committee noted the following important decisions of the said meeting:

- a) In the event of deviation and escalation of the estimates BOGs/Head of the institutions is the competent authority for approval, the SPFUs may only be informed about such cases.
- b) The BOGs of the institutes are empowered to approve the international travel plan in respect of international travel support scheme.
- c) Seed grant for research to faculty members and/or students may be provided to venture into innovative research and to strengthen research culture in institutes, however, institutes will lay down norms for implementation.
- d) As regards procurement of "Services" institute's own BOG/Head of Institutions will be empowered to give the required NOC. Only in case of "Services" requiring World Bank's NOC, such cases will be processed through NPIU.
- e) For the institutions selected in second cycle, Procurement Plan be reviewed and approved by the BOG/Head of institution.
- f) The project supports Teaching & Research Assistantships for Masters and Doctoral students of Applied Sciences viz., Physics, Chemistry & Mathematics.
- g) Tie up with IITs and IIMs be encouraged to expedite the faculty development activities in the Project institutions.
- h) Joint venture with industry for academic and research activities be encouraged under project.

The Committee also noted that the college is following the existing policy of BOG i.e, seeking the comments/recommendations of the experts in the respective field before permitting a faculty for paper presentation abroad.

The committee asked the TEQIP co-ordinator to reimburse the bills of those who were permitted for paper presentation abroad till date.

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The committee also noted that the following faculty members have presented the papers abroad till date under TEQIP-II activities of the college:

Sl.No.	Name of the faculty, Designation & Dept	Conference details		
		Name	Place	Date
1	Smt.Meena P. Associate Professor EEE	6 <sup>th</sup> International Association of Science & Technology for Development(IASTED) Asian conference on Power & Energy Systems	Phuket, Thailand	10 <sup>th</sup> -12 <sup>th</sup> April 2013
2	Dr.B.Ravishankar Professor & Head, IEM	24 <sup>th</sup> Annual POM Annual Conference-Production & Operations Management Society[POMS]	Denver, Colorado, USA	3 <sup>rd</sup> - 6 <sup>th</sup> May 2013

**6. Reimbursement of tuition fees paid by the faculty members for their registration to Ph.D.:**

The committee noted that 12 faculty members who have registered for PhD after June 2011 were reimbursed with the Ph.D. fee paid by them. After reviewing the remaining applications, the committee decided to consider only the applications of those faculty who have registered for Ph.D. during 2007 and onwards and to reimburse the fee paid by them on or after 1.1.12.

**7. Representation of Sri. G. Darshan, [M.Tech (DC) student] to continue teaching assistantship:**

The committee perused the request of Sri. G. Darshan, who have failed to clear all the subjects of first semester in first attempt and also his marks sheet for the said semester. The committee decided to inform Sri. G. Darshan that his request would be considered after the announcement of the result at the end of second semester and subject to clearance of failed subjects of I Semester and obtaining the eligibility for II Year.

**8. Developing research interest among UG students:**

The committee took a note of communications sent to all the faculty members seeking applications from the students for the award of financial incentive for their projects leading to research, circular issued and copy of the application made available on the college website. The committee also took a note that the applications are being scrutinized by a committee consisting of three/four faculty members under the chairmanship of the HOD and are being forwarded to the TEQIP coordinator along with the recommendations. The



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committee approved the award of incentive as recommended by the departmental committee to such proposals received [Annexure - II] and authorized the Principal to disburse the amount to the respective students on receipt of the proposals.

**9. Deputation of faculty/staff for attending FDP/workshop/training/seminar/conference:**

The committee perused the representations of the faculty/staff and approved their deputation for attending FDP/workshop/training/seminar/conference with financial assistance from the TEQIP-II funds [Annexure-III].

**10. Proposals for conduction of FDP/workshop/training/seminar/conferences in the college:**

The committee reviewed the proposals for conduction of programs under TEQIP-II in the college and approved the same [Annexure-IV].

**11. Request for consumables for R & D work:**

The committee was appraised about the request put forth by the departments such as: Bio-technology, Chemical Engineering and Chemistry to extend financial support towards consumables for the research work being carried out in the department/research center. The committee unanimously agreed to provide the consumables required by the said departments under the heads of Incremental Operating Cost [IOC] or Research and Development [R & D].

Further the committee approved the reimbursement of expenses incurred by the PG students & Research scholars on consumables for their project. The committee reviewed the provisions under IOC and approved for the reimbursement of expenses incurred on consumables against the bills duly certified by the guide and the HOD as per the limits specified in the previous sub-committee of BOG minutes.

**12. Procurement of Equipment/hardware/software:**

The committee reviewed the status of procurement and the proposals with cost escalation on market survey were perused by the members. The committee noted that the estimated costs that were recorded in PF-1 are two years old and there were enough improvements in the items being procured causing variations in the costs. The proposals with cost escalation less than 100% were approved for further processing [Annexure-V] and suggested to

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re-start the process afresh, for the following items where the cost escalation was more than 100%.

Sl.No.	Dept	Description of works/goods	% of cost escalation
1	Civil	Software ATENA for R&D	400
2	EEE	IGBT modules with protection circuits for up-gradation of PG & R&D	180

The proposal submitted by Dr. K. J. Rathanaaj, Department of IEM & Sri. C. K. Chandra Babu, Department of Mechanical Engineering was reviewed by the members. The committee decided to refer the proposal to an expert in the field of Mechanical Engineering for scrutiny. The committee further directed the TEQIP Co-ordinator-I to seek expert opinion from Dr. Martin Jebaraj, Director-R&D and then submit the same before the committee.

**13. Month wise breakup of budget:**

The committee perused the month wise breakup of the budget for 2013-14 and approved the same. [Annexure-VI].

  
PRINCIPAL and  
CONVENOR

  
CHAIRMAN,  
BOG SUB-COMMITTEE



**B.N. JAYARAM,** B.Sc., F.C.A.  
CHARTERED ACCOUNTANT

No. 308, 1st Floor,  
10th Cross, Wilson Garden,  
Bangalore - 560 027.  
Phone (O) : 080-22277420  
(M) : 9341227875  
e-mail : bnjayaram@gmail.com

### AUDITOR'S REPORT

I have audited the accompanying financial statements of B.M.S COLLEGE OF ENGINEERING, TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM : PHASE -II(TEQIP-II) which comprises of the Balance Sheet as at 31<sup>st</sup> March 2013, and the Income and Expenditure Account for the year ended on that date.

Management of the Organisation is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

My responsibility is to express an opinion on these financial statements based on my audit. I conducted the audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my audit opinion.

In my opinion and to the best of my information and according to the explanations given to me, the said Balance Sheet and Income & Expenditure Account, give the information in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India.

- a. In the case of the Balance Sheet of the state of affairs of the Organisation as at March 31, 2013.
- b. In the case of Income & Expenditure Account, of the Excess of expenditure over income for the year ended on that date.

Place : Bangalore  
Date : 15-07-2013

*B. N. Jayaram*  
B N Jayaram  
Chartered Accountant



**B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019**  
**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME: PHASE-II(TEQIP-II)**  
**BALANCE SHEET AS AT 31st MARCH 2013**

(Amount in Rupees)

AS ON 31.03.2012 (Rs)	LIABILITIES		AS ON 31.03.2013 (Rs)	AS ON 31.03.2012 (Rs)	ASSETS	AS ON 31.03.2013 (Rs)
	Grants received from SPFU Less: Excess of Expenditure over Income	(Rs) 20,000,000.00 <u>1,643,012.00</u>	18,356,988.00		Current Assets: Fixed Deposit	17,000,000.00
589,470.00	BMS Educational Trust		4,795.00	589,470.00	Allahabad Bank SB A/c No .50092591605	1,361,783.00
<b>589,470.00</b>	<b>TOTAL</b>		<b>18,361,783.00</b>	<b>589,470.00</b>	<b>TOTAL</b>	<b>18,361,783.00</b>

*[Signature]*  
AAO

*[Signature]*  
NODAL OFFICER [FINANCE ASPECTS]

Place: Bangalore  
Date : 15.7.13

*[Signature]*  
PRINCIPAL  
B.M.S. College of Engineering  
Bangalore - 19

As per my report of even date

*[Signature]*  
B. N. Jayaraj



**B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019**  
**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME-PHASE-II(TEQIP-II)**

**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31st MARCH 2013**

(Amount In Rupees)

PREVIOUS YEAR (Rs)	EXPENDITURE	(Rs)	CURRENT YEAR (Rs)	PREVIOUS YEAR (Rs)	INCOME	CURRENT YEAR (Rs)
	Assistantship		994,000.00		Interest	685,715.00
	Faculty & Staff Development		909,331.00		Excess of Expenditure	1,643,012.00
	R & D		16,000.00		over Income for the	
	Student Support		65,029.00		year transferred to	
	Incremental Operating Cost:				Balance Sheet	
	Consumables	35,086.00				
	Operation & Maintenance	206,201.00				
	Workshop etc	103,080.00	344,367.00			
NIL	<b>TOTAL</b>		<b>2,328,727.00</b>	NIL	<b>TOTAL</b>	<b>2,328,727.00</b>

*Ulin*  
**AAO**

Place: Bangalore  
 Date : 15.7.13

*Sure*  
**NODAL OFFICER [FINANCE ASPECTS]**

*[Signature]*  
**PRINCIPAL**  
 B.M.S. College of Engineering  
 Bangalore - 19.

As per my report of even date

*B. N. Jayaram*



**B.M.S.COLLEGE OF ENGINEERING,BANGALORE-560 019**

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME :Phase-II(TEQIP-II)**

**RECEIPTS & PAYMENTS ACCOUNT FOR THE YEAR ENDING 31<sup>st</sup> MARCH 2013**

PREVIOUS YEAR (Rs)	RECEIPTS	CURRENT YEAR (Rs)	PREVIOUS YEAR (Rs)	PAYMENTS	(Rs)	CURRENT YEAR (Rs)
589,470.00	Opening Bank Balance BMS Educational Trust Grants received from SPFU Interest	589,470.00 15,831.00 20,000,000.00 685,715.00		Assistantship Faculty & Staff Development R & D Student Support Incremental Operating Cost Consumables Operation & Maintenance Workshop etc Fixed deposits BMS Educational Trust		994,000.00 909,331.00 16,000.00 65,029.00
					35,086.00 206,201.00 <u>103,080.00</u>	344,367.00 17,000,000.00 600,506.00
			589,470.00	By Closing Bank Balance SB A/c No.50092591605		1,361,783.00
589,470.00	<b>TOTAL</b>	<b>21,291,016.00</b>	<b>589,470.00</b>	<b>TOTAL</b>		<b>21,291,016.00</b>

*[Signature]*  
RAAO

*[Signature]*  
NODAL OFFICER(FINANCE ASPECTS)

*[Signature]*  
Principal  
B.M.S. College of Engineering  
Bangalore-19.

Place: Bangalore  
Date : 15.7.13

*[Signature]*  
B. N. Jayaram  




**B.M.S.COLLEGE OF ENGINEERING, BANGALORE-19**

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME: Phase -II(TEQIP-II)**

**SCHEDULE-I**


**ADVANCE FROM BMS EDUCATIONAL TRUST TRANSFERRED FROM TEQIP-I SB a/c**

PARTICULARS	AMOUNT
	(Rs)
<b>Opening Balance</b>	<b>589,470.00</b>
Add: Interest earned	15,831.00
TOTAL	605,301.00
Less: Returned back to BMS Educational Trust on 26.9.2012	600,000.00
TOTAL	5,301.00
Less: Expenditure met out of BMSET a/c	
Bank charges levied towards issue of cheque book in respect of SB a/c 50092591605	506.00
<b>Balance as on 31.3.2013</b>	<b>4,795.00</b>

*U. H. S.*  
AAO  
15.7.13

*S. S. S.*  
NODAL OFFICER [FINANCE ASPECTS]

*S. S. S.*  
Principal  
B.M.S. College of Engineering  
Bangalore - 19.

*B. N. Jayaram*  


# **B.M.S.COLLEGE OF ENGINEERING,BANGALORE-560 019**

## **TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE-II[TEQIP-II]**

### **UTILIZATION CERTIFICATE**

a)	Opening Balance as on 1 <sup>st</sup> April 2012	Rs. Nil
b)	Funds received from SPFU Vide letter No.DTE/TEQIP/FIN/ CR-51/2011-12 dated 22.9.2012	Rs. 2,00,00,000.00
c)	Interest earned on grant available for TEQIP-II during the year	Rs. 6,85,715.00
d)	Other Income	Rs. Nil
e)	Expenditure during the year	Rs. 23,28,727.00
f)	Unspent Balance as on 31 <sup>st</sup> March 2013	Rs. 1,83,56,988.00

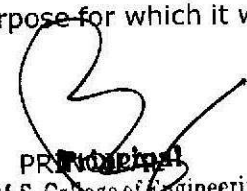
Certified that a sum of Rs. 2,00,00,000.00(Rupees two crores) only was received by BMS College of Engineering, Bangalore-560 019, from State Government[SPFU-Karnataka] as per letter number and date mentioned above.

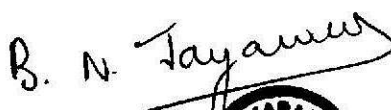
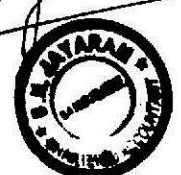
It is also certified that out of the above-mentioned funds of Rs. 2,00,00,000.00 (Rupees two crores) only, a sum of Rs. 23,28,727.00 (Rupees Twenty three lakhs twenty eight thousand seven hundred and twenty seven) only has been utilized by the Institution for the purpose for which it was sanctioned. It is further certified that an unspent balance of Rs. 1,83,56,988.00(Rupees one crore eighty three lakhs fifty six thousand nine hundred & eighty eight) only is being carried forward for utilization in the next year.

We further certify that the conditions on which the grant was sanctioned have been fulfilled and where there have been any deviation from the sanctioned amount, it is with prior approval of the concerned authority. We have exercised reasonable checks to see that money has been actually utilized for the purpose for which it was sanctioned.

Date: 15.7.13

Place: B'lore

  
Principal  
B.M.S. College of Engineering  
Bangalore - 19





# BMS COLLEGE OF ENGINEERING, BANGALORE

## TEQIP II

### PROCUREMENT

11-09-2013

Following is the list of items with the request of changes and modification in packages for the approval of the Sub-Committee

Sl	Dept	Item	Estimated Cost (Rs)	Approved Mode of Procurement	Permission sought for	Remarks
1	Civil Engg	Chlorophyll meter , GPS Receiver, and leaf area meter	4,40,000	Shopping	inclusion of the item in place of the cancelled package (Sensors & Data Acquisition system) at the estimated cost of Rs.9,00,000/-	Approved ( DPC has approved and fall within the Departmental Budget)
2	Electrical & Electronics Engg	IGBT modules with protection circuits , For ugradation of PG & R&D at EE Dept	84,000	Shopping	additional quantity requirement for PG Lab & Projects ( earlier estimated cost is Rs.30,000/-)	Approved (DPC has approved and fall within the Departmental Budget)
3	Telecommunication Engg	Wireless Digital Communication System and RF Signal Generator	16,00,000	Direct Contracting	New item in place of the cancelled package 132 (NI USRP 2920 & Compact Rio) at the estimated cost of Rs.20 Lakhs.	Approved (the estimated value is within the limits of the approval)
4	Mechanical Engg	Hyperworks Education License 125 HWU	11,40,000	Direct Contracting	Approval for the change in mode of procurement from NCB to Direct Contracting	Approved (item is proprietary product of Altair Engg Inc, USA)
5	Central/Com mon Req.	Net Books	9,90,000	Shopping	New requirement for Netbooks to all the HODs, Nodal Officers, Controller of Examination, Vice Principal and Principal.	Approved

Approved  
8/11/13

11-9-2013

11/09/2013

**FACULTY MEMBERS SEEKING DEPUTATION & FINANCIAL ASSISTANCE TO ATTEND PROGRAMMES**

Sl. No	Name of the Faculty, Designation & Dept	Details of the Program	Place	Workshop/ Conf. Dates	Approx. Expenditure (Rs)
1.	Sri.J.Dinesh Reddy Asst.Professor Dept. of ECE	International conference on VLSI, Commn, Advanced devices, signals & systems and networking	BNMIT, B'lore	July 17-19, 2013	11,300/-
2	Sri.HarishV.Mekali Asst.Professor Dept. of ECE	Workshop on Numicro ARM Cortex-MO & its application	MSRIT, B'lore	September 10-11, 2013	750/-
3	Dr.Prasanna Kumar.P Professor, Civil Engineering	International Conference "ICCSEM2013"	Dayananda Sager College of Engineering Bangalore	September 26-27, 2013	2,900/-
4	Sri.Appaji M.Abhishek	Workshop on Neural Networks, Fuzzy logic & pattern recognition for Engg & Healthcare	MSRIT, B'lore	September 27-29, 2013	2,500/-
5	Smt.N.Prathibha, Asst.Professor, Biotechnology	"Advances in Water Resources Development and Management-AWRDM 2013"	Punjab University, Chandigarh	October 23-27, 2013	31,100/-
6	Sri.Shaunak Sinha	Asia Smart Grid & Electromobility Conference	Sands Expo & Convention Centre, Singapore	October 29 <sup>th</sup> – 30 <sup>th</sup> 2013	96,000/-
7	Dr.Veena Jawali Professor Mathematics	International Conference on THERMEC 2013	Las Vegas, USA	December 2-6,2013	2,31,177/-



## Annexure-5

**From:** spfu karnataka <spfukarnataka@gmail.com>

**To:** venugopalkr@gmail.com, bmrucve@yahoo.co.in, shenoypd1@gmail.com, drkmbabu@gmail.com, drkmbabu@bmsce.ac.in, viceprincipal@bmsce.ac.in, hod.cse@bmsce.ac.in, hod.ise@bmsce.ac.in, hs\_gurup@yahoo.com, mvsmagge@gmail.com, kguru.hsn@gmail.com, gkp@mcehassan.ac.in, principal@nie.ac.in, NIE Mysore <principalnie@yahoo.com>, hdphanee@yahoo.com, nie.teqip.mysore@gmail.com, msvijayk@gmail.com, bg.bgsangam@yahoo.com, prasad\_s\_k@hotmail.com, dr\_ansk@rediffmail.com, anijoo@yahoo.com, director@sit.ac.in, mnc\_sit@hotmail.com, dineshsv2004@yahoo.com, basavarajaiah@yahoo.com, Kak10746@rediffmail.com, a.mehatha@gmail.com, mzkurianvc@yahoo.com, principal\_nmamit@nitte.edu.in, mith9999@yahoo.com, niranjanchiplunkar@rediffmail.com, principal@sdmcet.ac.in, dr.s.m.kumar@gmail.com, maahesh.patil@gmail.com, abhilash.e@gmail.com, principal@pes.edu, tr.seetharam@pes.edu, vkrishna@pes.edu, principal@rvce.edu.in, satya@rvce.edu.in, rajaraokn@rvce.edu.in, ramakanthkp@rvce.edu.in, principal@pdaengg.com, mgadge\_100@rediffmail.com, pdapatil@yahoo.com, principal@msrit.edu, viceprincipal@msrit.edu, hod\_lm@msrit.edu, nvrnaidu@gmail.com, registrar\_academic@msrit.edu, becprincipal@yahoo.com, becteqipco@gmail.com, mmmhegde@gmail.com, swamy\_vtu@yahoo.com, sivabs2000@yahoo.co.uk, principalgsksjti@gmail.com, drmbpatil@gmail.com, kpk16@gmail.com, ashokshettar@bvb.edu, tqcoord@bvb.edu, tqnodaca@bvb.edu, venusridhar@yahoo.com, mailhoovera@yahoo.com, knumesh\_pesce@rediffmail.com, principal@nmit.ac.in, karsetty@hotmail.com, professor chirag <chirag.nmit@gmail.com>

**Cc:** sharan padashetty <sharanpadashetty@gmail.com>, kulkarni\_ak@hotmail.com, "raghu.spfu" <raghu.spfu@hotmail.com>, kshalvagat <kshalvagat@yahoo.com>, Chandramohan Puttaswamaiah <pcmohan62@gmail.com>, Talwar <hutamawar@yahoo.co.in>

**Date:** Thursday, August 08, 2013 12:31PM

**Subject:** Meeting on 12th August 2013

**History:** - This message has been forwarded.

To,

The Principals & TEQIP Coordinators,

TEQIP Institutions can look into collaboration with Universities, Institutions & Industries from British Columbia & Australia for R&D, Joint programmes like twinning, Faculty & student exchange, science & technology & any other areas which can be of Interest to TEQIP Institutions and British Columbia & Australia Universities.

Principal/Coordinators and Nodal Officer (Academic) are invited to attend meeting regarding possible foreign travel as a part of study visits and collaborative efforts between TEQIP Institutions and Universities & Industries abroad is convened on 12<sup>th</sup> August 2013 at 2:30pm at TEQIP conference hall, Directorate of Technical Education, Bangalore. Please present your strengths and opportunities in not more than 5 slides in your presentation.

Officials of Canada and Australia working in Bangalore are invited to participate.

**From:** spfu karnataka <spfukarnataka@gmail.com>  
**To:** "UVCE, Bangalore" <venugopalkr@gmail.com>, bmrucve@yahoo.co.in, P Deepa Shenoy <shenoypd1@gmail.com>, BMS Bangalore <drkmbabu@gmail.com>, drkmbabu@bmsce.ac.in, BMS Bangalore <viceprincipal@bmsce.ac.in>, hod.cse@bmsce.ac.in, hod.ise@bmsce.ac.in, hs\_gurup@yahoo.com, Sathya Narayana <mvsomagge@gmail.com>, MCE Hassan <kguru.hsn@gmail.com>, MCE Hassan <gkp@mcehassan.ac.in>, NIE Mysore <principal@nie.ac.in>, NIE Mysore <principalnie@yahoo.com>, NIE Mysore <hdphane@yahoo.com>, The National Institute of Engineering Mysore <nie.teqip.mysore@gmail.com>, Vijay Kumar <msvijayk@gmail.com>, bg.bgsangam@yahoo.com, Prasad Sundarraj <prasad\_s\_k@hotmail.com>, dr\_ank@rediffmail.com, aniljoo@yahoo.com, SIT Tumkur <director@sit.ac.in>, SIT Tumkur <mnc\_sit@hotmail.com>, dineshsv2004@yahoo.com, basavarajaihs@yahoo.com, SSIT Tumkur <Kak10746@rediffmail.com>, SSIT Tumkur <a.mehatha@gmail.com>, mzkurianvc@yahoo.com, NMAMIT nitte <principal\_nmamit@nitte.edu.in>, NMAMIT nitte <mth9999@yahoo.com>, niranjanchiplunkar@rediffmail.com, SDM Dharwad <principal@sdmcet.ac.in>, SDM Dharwad <dr.s.m.kumar@gmail.com>, SDM Dharwad <maahesh.patil@gmail.com>, Abhilash E <abhilash.e@gmail.com>, principal@pes.edu, tr.seetharam@pes.edu, vkrishna@pes.edu, RVCE Bangalore <principal@rvce.edu.in>, RVCE Bangalore <satya@rvce.edu.in>, "Prof. KNR" <rajaraokn@rvce.edu.in>, ramakanthkp@rvce.edu.in, PDA Gulbarga <principal@pdaengg.com>, PDA Gulbarga <mngadge\_100@rediffmail.com>, pdapatil@yahoo.com, principal@msrit.edu, viceprincipal@msrit.edu, "MSRIT, Bangalore" <hod\_im@msrit.edu>, "MSRIT, Bangalore" <nvrnaidu@gmail.com>, registrar\_academic@msrit.edu, becprincipal@yahoo.com, BEC Bagalkot <becteqipco@gmail.com>, "Dr. Manjunath N. Hegde" <mmmhegde@gmail.com>, "Dr.AIT, Bangalore" <swamy\_vtu@yahoo.com>, sivabs2000@yahoo.co.uk, principalgksjti@gmail.com, SKSJT Bangalore <drmbpatil@gmail.com>, pradeepkumar k <kpk16@gmail.com>, BVB Hubli <ashokshettar@bvb.edu>, BVB Hubli <tqcoord@bvb.edu>, tqnodaca@bvb.edu, PES Mandya <venusridhar@yahoo.com>, mailhoovera@yahoo.com, knumesh\_pesce@rediffmail.com, NMIT Bangalore <principal@nmit.ac.in>, karsetty@hotmail.com, professor chirag <chirag.nmit@gmail.com>

**Date:** Friday, August 23, 2013 01:08PM  
**Subject:** Study visits to Australia & Canada

**History:** This message has been replied to and forwarded.

Sir,

Please send the Nomination for Study visits to Australia and Canada separate pages.

**Urgently** by today evening

*With regards,*

*Sharan .C. Padashetty*

Officer on Special Duty,  
State Project Coordinator,  
SPFU Karnataka,

Technical Education Quality Improvement Programme (TEQIP),  
(A World Bank Assisted Project)

Directorate of Technical Education,  
Bangalore 560 001

WebRep

☐

Overall rating

☐

# BMS COLLEGE OF ENGINEERING, BANGALORE-19

## TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM

23.08.2013

Submitted/Principal,

The SPFU-Karnataka has initiated study visit of the BOG members/Principals /TEQIP Co-ordinators/Faculty Members to the R & D facilities of the Universities in Canada and Australia and are looking forward for interaction & tie-up with the TEQIP institutions. In this regard, the SPFU conducted a meeting of the Principals, Program coordinators and academic nodal officers of TEQIP colleges on 12.08.2013 at SPFU. The Professionals from the embassies of Canada & Australia were also present. They have presented the universities and possible areas of collaboration in research and exchange programs.

The SPFU sought the names of the nominees from each of the TEQIP institutions by 24.08.2013. To finalise the same, a meeting consisting of Principal, TEQIP Coordinator-I, TEQIP Coordinator-II & Academic Nodal Office was held at the Office of the Principal.

The members noted that the Canadian Universities are more interested in topics of Mechanical Engineering, Advanced Materials, Fluid/Applied Mechanics and the Australian Universities are interested in the topics of Biotechnology, Medical instrumentation, Energy resources etc. Based on the potential for an MOI in the respective fields, the members opined to depute the following faculty for the said interaction programs:

For interacting with the Universities CANADA	For interaction with the Universities AUSTRALIA
Dr. L. Ravikumar, Professor-ME Dr. M. Ramachandra, Professor-ME Dr. M. S. Dharmaprakash, Professor-CHY Dr. G. N. Sekhar, TEQIP Co-ordinator-I	Dr. M. Rajyalakshmi, Professor-BT Dr. H. N. Suma, Professor-ML Dr. Samitha Maitra, Professor-CH Dr. Ravishankar Deekshth, Professor-EE

For kind consideration and approval to inform the above nominations to the SPFU.

Agreed in principle. The matter  
may be placed before the  
BOG - Subcommittee for approval.

G. N. Sekhar  
Vice-Principal and  
Program Coordinator-I

26/8/13 PCI -





**राष्ट्रीय परियोजना कार्यान्वयन एकक**  
( तकनीकी शिक्षा में विश्व बैंक सहायक परियोजना के कार्यान्वयन के लिए भारत सरकार, मानव संसाधन विकास मंत्रालय का एकक )  
**National Project Implementation Unit**  
( A UNIT OF MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA FOR  
IMPLEMENTATION OF WORLD BANK ASSISTED PROJECTS IN TECHNICAL EDUCATION )

By Speed Post/Fax/Email

23<sup>rd</sup> Aug., 2013

27

No. NPIU/TEQIP-II/FIN/3023/1058

To,

Principal  
BMS College of Engineering  
Post Box No. 1908, Bull Temple Road  
Bangalore – 560 019 (KARNATAKA)

**Sub. : TEQIP-II: Release of Fund for Centre of Excellence—Advanced Material Research**

Sir,

MHRD have released an amount of Rs.250.00 lakh (towards Central Share) to your institute for establishment of **Centre of Excellence – Advanced Material Research** under the World Bank Assisted Technical Education Quality Improvement Programme of India (TEQIP)-II for the year 2013-14. In this connection, kindly find enclosed the following communications received from MHRD.

Sl. No.	Letter No. & Date	Released Amount Rs. (in lakh)	Annex. No.
1	F. No. 16-13/2013-TS.VII dated 16 <sup>th</sup> August 2013	193.75	Annex.-1
2.	F. No. 16-13/2013-TS.VII dated 16 <sup>th</sup> August 2013	37.50	Annex.-2
3.	F. No. 16-13/2013-TS.VII dated 16 <sup>th</sup> August 2013	18.75	Annex.-3

2. The SPFU will release an amount of Rs. 333.33 lakh to your institute by adding the State share.
3. The release of Fund for the Centre of Excellence is subject to the following terms and conditions:
  - (a) The release of fund is exclusively for the activities under Centre of Excellence.
  - (b) The separate Bank Account should be opened for the amount of Centre of Excellence and the expenses related to this activity may be spent from this account.
  - (c) The books of account may be maintained separately for the inspection by the auditors.
  - (d) The work of Centre of Excellence activity should be carried out as per the concept paper attached at Annex. – 4.
  - (e) The accounting work of CoE should be entrusted to the other Finance Coordinator meant for exclusively CoE work.
  - (f) The separate Financial Monitoring Report should be submitted under Sub-Component 1.2.1 as per the proforma prescribed in the Financial Management Manual.
4. The other terms and conditions as mentioned by MHRD in the Release Order should be strictly adhered to while utilizing the amount.

Contd....2

TEQIP  
21/9/2013  
2/9/13  
TEQIP II

5. It is further requested, to kindly contact your SPFU for the release of Fund.

Yours faithfully,

*sd/-*  
(A.U. Digraskar)  
Central Project Advisor

Encl.: Annex-1, 2, 3, 4

Copy to :

1. ✓ TEQIP Coordinator  
BMS College of Engineering  
Post Box No. 1908, Bull Temple Road  
Bangalore – 560 019 (KARNATAKA)
2. Deputy Secretary (Mgmt.), MHRD, Shastri Bhawan, New Delhi

*A. U. Digraskar*  
(A.U. Digraskar)  
Central Project Advisor



F. No. 16-13/2013-TS.VII  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education  
(Technical Section - VII)  
\*\*\*\*\*

Room No. 433-C Wing  
Shastri Bhawan, New Delhi-110015  
16<sup>th</sup> August, 2013

To

The Principal Accounts Officer  
Principal Accounts Office, MHRD  
Department of Higher Education  
Shastri Bhawan, New Delhi-110015.

Sub:- Release of Grants (Plan) to 8 Institutions for Establishing the Centres of Excellence (CoE) in 7 States selected under Sub-component 1.2.1 under Technical Education Quality Improvement Programme of Government of India (TEQIP)-II for the year 2013-2014 (General).

Sir,

I am directed to say that Government of India is providing financial assistance to Government/ Govt. Aided Institutions for Rs. 1550.00 lakhs (**Rs. Fifteen crore fifty lakh only**) to 8 Institutes i.e 75% of the grant to 7 states as Central Share as per detailed below under the scheme of Technical Education Quality Improvement Programme of Government of India (TEQIP)-II for establishing the centres of excellence. Remaining 25% shares will be released by the respective States. The amount of Rs. 1550.00 lakhs is to be released based on progress achieved. The grants under the scheme are to be released through concerned State Governments through book transfer via RBI for further release of the specified amount to the concerned Institute as per the terms contained herein.

2. Accordingly, I am directed to convey the sanction of the President of India to the release of a sum of Rs. 1550.00 lakhs (**Rs. Fifteen crore fifty lakh only**) to the Secretary dealing with their respective States as per the details given below under the World Bank assisted Technical Education Quality Improvement Programme of Government of India (TEQIP) during the year 2013-2014 for meeting the non recurring expenditure.

S. No.	Name of State	Total No. of CoE Institutions	Centre Share (Rs. in lakhs)
1	Andhra Pradesh	2	387.50
2	Maharashtra	1	193.75
3	Punjab	1	193.75
4	Karnataka	1	193.75
5	Tamil Nadu	1	193.75
6	Uttarakhand	1	193.75
7	West Bengal	1	193.75
	<b>Total</b>	<b>8</b>	<b>1550.00</b>

3. The above grant is subject to the following terms and conditions:

- The Institutions shall implement activities within the framework of Project Implementation Plan (PIP), Development Credit Agreement (DCA) and Project Agreement (PA).

(सुजीत कुमार / SUJIT KUMAR)  
अवर सचिव / Under Secretary  
भारत सरकार / Govt. of India



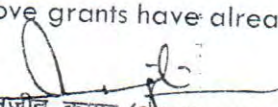
- II. The amount sanctioned will be spent as per the percentage indicated in the Project implementation Plan (PIP) on Procurement of Goods (Equipments, Furniture, Books & LR's & Software), Minor items, Refurbishment (Minor Civil Works), Consultancy services, Teaching and Research Assistantships, Research and Development, Faculty and Staff Development, Industry Institute Interaction, Institutional Management Capacity enhancement, Institutional reforms, academic Support for weak students and incremental operating cost.
- III. In addition the amount will be spent for salaries and allowances for agreed key additional faculty and staff and travel and supervision cost incurred for the purpose of carrying the project cost of operation and maintenance of equipment and vehicles, office rental and expenses and hiring of vehicles.
- IV. The amount of grant shall be utilized for the purpose for which it is sanctioned with due regard to economy, efficiency and sustainable achievement of the project's objectives.
- V. No portion of the sanctioned amount shall be diverted for any purpose other than that for which it has been sanctioned;
- VI. The assets acquired wholly or substantially out of the grant shall not, without the prior sanction of the Government of India, be disposed, encumbered or utilized for any purpose other than that for which it is sanctioned;
- VII. The amount of this grant, in so far as the utilization is concerned, will be open to test check by the Comptroller & Auditor General of India or his representative at his discretion. Intimation about the arrangements for such a test will be sent to the Institution in so far as Central Government funds are concerned. It will also be open to test check by an officer of the Government of India;
- VIII. The requirement of production of Utilization Certificate in respect of the grant of sanction by the Government of India should be fulfilled to the satisfaction of the Government.
- IX. The next instalment of Govt. of India's grant, if any, will be sanctioned after the amount of the present grant has been utilized and the progress report of expenditure incurred thereon is submitted.
- X. The institution shall submit the Financial Monitoring Report on quarterly basis to NPIU in the proforma given in the Financial Mgmt. Manual within 30 days of the completion of each quarter.
- XI. The institution shall conduct the audit of financial statements after the completion of each financial year as per the Terms of Reference (ToR) and Selection Criteria for audit of financial statements as mentioned in the Financial Management Manual.
- XII. The instructions given in the Project Implementation Plan (PIP) as regards to the permissible and non-permissible expenses should be followed.
- XIII. All accounting and financial instructions given in the Financial Management Manual should be followed for TEQIP-II.

4. The amount sanctioned is debited to Demand No. 60, Department of Higher Education, 3601 Major Head - Grants in aid to State Governments -04 -Grants to Centrally Sponsored Plan Schemes, 174 (Gen)- Technical Education- Engineering, Technical colleges and Institutes, - 01- Technical Education Quality Improvement Programme of Government of India, 01.00.31- Grants in aid General ( 3601.04.174.01.00.31) for the year 2013-2014 (Plan).

(सुजीत कुमार/SUJIT KUMAR)  
अवर सचिव/Under Secretary  
भारत सरकार/Govt of India



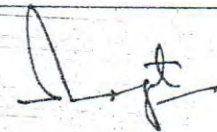
5. The sanction is issued in exercise of the powers delegated to Ministries under DFPR, 1978, as amended from time to time. Above grants are being released in accordance with the pattern of Assistance approved by the Ministry of finance, Government of India. It is also certified that this Sanction is being issued in conformity with the rules and principles of the scheme.
6. The previous unspent balance of grants under the scheme if any, lying with grantee Institute has been adjusted while preparing release of grants and grantee may utilize the unspent balance if any also along with their grant for the purpose for which it is mentioned.
7. The Institution has been exempted from execution of bond, etc. In terms of the Ministry of Finance (Department of Expenditure)'s O.M. No.(1)E.II/A dated 23.6.1985.
8. Any future grant will be released to this Institution only after they have satisfied the Ministry that adequate provision for representation of SC/ST has been made in its constitution/rules and these are being followed in actual practice in filling up vacancies reserved for SC/ST candidates every year.
9. The Institute shall fully implement the official language policy of the Union Government i.e. the Institutions shall fully comply with the Official Languages Act, 1963 and Official Languages Use for the Official Purpose of the Union Rules, 1976, etc.
10. On receipt of sanction letter, the Principal Accounts Officer may issue an advice to the Reserve Bank of India (Central Accounts Section), Nagpur for affording credit to the balance of the State Government. The Principal Accounts Officer may forward a copy of the advice to the Accountant General and Finance Department of the State Government as well as Secretary, Technical Education of the State with a copy to the undersigned.
11. The grantee Institute is situated under the concerned jurisdiction of the Director General of Audit.
12. The Institutions shall furnish to the Government a utilization certificate duly signed by the authorized Auditor of the Institutions and counter signed by the Director of the Institutions to the effect that the grant has been utilized for the purpose for which it was sanctioned supported by the audited Statement of Accounts of the Institutions in respect of grant released under the scheme of Technical Education Quality Improvement Programme Phase II of Government of India. The requirement of production of Utilization Certificate in respect of the grants already sanctioned by the Government of India should be fulfilled to the satisfaction of the Government. The institute shall furnish Utilisation Certificate immediately after the closing of the financial year 2013-14.
13. These Institutions have no Utilization Certificates as due for rendition under the Rules under this programme of the Ministry/Department.
14. The grantee is situated under the concerned jurisdiction of the Director General of Audit.
15. The sanction is issued in exercise of delegated powers and in accordance with the Integrated Finance Division vide Dy. 4117 dated 05.08.2013 and IF.I Section vide their Dy. No. 386-IF-I dated 13.08.2013.
16. Necessary Sanction I.D. for above grants have already been generated.

  
(सुजीत कुमार/SUJIT KUMAR)  
अवर सचिव/Under Secretary  
भारत सरकार/Govt. of India  
सा. सं. वि. मन्त्रालय /Min.



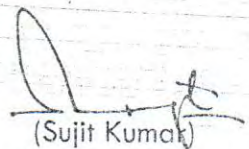
17. The grant mentioned in para 2 above will be released by the concerned State Governments for establishing the Centres of Excellence (CoE) in 7 States selected under Sub-component 1.2.1 under the scheme of Technical Education Quality Improvement Programme of Government of India (TEQIP)-II to the below mentioned indicated institutions mentioned against each State:

S. No.	Name of the State	Name of the institution	Name of the Centre of Excellence	Category of Institutions	Centre Share (Rs. in lakh)
1	Andhra Pradesh	Andhra University College of Engineering, Vishakhapatnam, Andhra Pradesh	Challenges of Nano-Technology for 21st century generation - Indian perspectives in global scenarios	Govt.	193.75
2		Osmania University College of Technology, Hyderabad, Andhra Pradesh	Intensification of Chemical and bio-processes	Govt.	193.75
3	Karnataka	BMS College of Engineering, Bangalore, Karnataka	Advanced material research	Govt. Aided	193.75
4	Maharashtra	Shri Guru Gobind Singh ji Institute of Engineering & Technology, Nanded, Maharashtra	Signal and Image Processing	Govt. Aided	193.75
5	Punjab	Thapar University, Patiala, Punjab	Environment and energy management	Govt. Aided	193.75
6	Tamil Nadu	Govt. College of Technology, Coimbatore, Tamil Nadu	Environmental Studies	Govt.	193.75
7	Uttarakhand	College of Technology - GB Pant University of Agriculture & Technology, Pantnagar, Uttarakhand	Energy Studies in Industries and agro-systems of Uttarakhand (Energy Management)	Govt. Aided	193.75
8	West Bengal	University College of Technology - University of Calcutta, West Bengal	Systems Biology and Bio-medical Engg.	Govt.	193.75
<b>Grand Total</b>					<b>1550.00</b>



(सुजीत कुमार/SUJIT KUMAR)  
अवर सचिव/Under Secretary  
भारत सरकार/Govt. of India  
मा. सं. वि. मन्त्रालय/Min. of H. R. D.  
उच्चतर शिक्षा विभाग/D/o Higher Edn.  
नई दिल्ली/New Delhi

Yours faithfully,



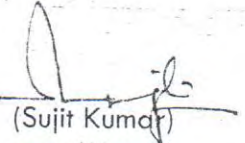
(Sujit Kumar)

Under Secretary (Mgmt.)

(सुजीत कुमार/SUJIT KUMAR)  
अवर सचिव/Under Secretary  
भारत सरकार/Govt. of India  
मा. सं. वि. मन्त्रालय/Min. of H. R. D.  
उच्चतर शिक्षा विभाग/D/o Higher Edn.  
नई दिल्ली/New Delhi

Copy to:

1. The Secretary, Technical Education, Andhra Pradesh, Maharashtra, Punjab, Karnataka, Tamil Nadu, Uttarakhand and West Bengal with a request to make expenditure of central grants strictly as indicated in the sanction letter and submit the progress report regularly.
2. Secretary, Finance Department of Andhra Pradesh, Maharashtra, Punjab, Karnataka, Tamil Nadu, Uttarakhand and West Bengal. It is requested that funds released through this sanction letter may be transferred to the Technical Education Department at the earliest for onward release to the concerned institute as mentioned above.
3. Director, Technical Education Andhra Pradesh, Maharashtra, Punjab, Karnataka, Tamil Nadu, Uttarakhand and West Bengal.
4. Prof. A.U.Digraskar, Central Project Adviser, National Project Implementation Unit, EdCIL House, Noida. **With a request to send copy of sanction letter to all the concerned institutes.**
5. The Director General of Audit, Central Revenue, AGCR Building, IP Estate, New Delhi.
6. Internal Audit, Principal Accounts Office, MHRD, Shastri Bhawan, New Delhi.
7. IF-1                      8. E.C. Unit                      9                      IFD                      10. Guard file

  
(Sujit Kumar)

Under Secretary (Mgmt.)  
(सुजीत कुमार/SUJIT KUMAR)  
अवर सचिव/Under Secretary  
भारत सरकार/Govt. of India  
मा. सं. वि. मन्त्रालय/Min. of H. R. D.  
उच्चतर शिक्षा विभाग/D/o Higher Edn.  
नई दिल्ली/New Delhi



Sanction 2 of 3

F. No. 16-13/2013-TS.VII  
 Government of India  
 Ministry of Human Resource Development  
 Department of Higher Education  
 (Technical Section - VII)  
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Room No. 433-C Wing  
 Shastri Bhawan, New Delhi-110015  
 16<sup>th</sup> August, 2013

To

The Principal Accounts Officer  
 Principal Accounts Office, MHRD  
 Department of Higher Education  
 Shastri Bhawan, New Delhi-110015.

Sub:- Release of Grants (Plan) to 8 Institutions for Establishing the Centres of Excellence (CoE) in 7 States selected under Sub-component 1.2.1 under Technical Education Quality Improvement Programme of Government of India (TEQIP)-II for the year 2013-2014 (SC).

Sir,

I am directed to say that Government of India is providing financial assistance to Government/ Govt. Aided Institutions for Rs. 300.00 lakhs (**Rs. Three crore only**) to 8 Institutes i.e 75% of the grant to 7 states as Central Share as per detailed below under the scheme of Technical Education Quality Improvement Programme of Government of India (TEQIP)-II for establishing the centres of excellence. Remaining 25% shares will be released by the respective States. The amount of Rs. 300.00 lakhs is to be released based on progress achieved. The grants under the scheme are to be released through concerned State Governments through book transfer via RBI for further release of the specified amount to the concerned Institute as per the terms contained herein.

2. Accordingly, I am directed to convey the sanction of the President of India to the release of a sum of Rs. 300.00 lakhs (**Rs. Three crore only**) to the Secretary dealing with their respective States as per the details given below under the World Bank assisted Technical Education Quality Improvement Programme of Government of India (TEQIP) during the year 2013-2014 for meeting the non recurring expenditure.

S. No.	Name of State	Total No. of CoE Institutions	Centre Share (Rs. in lakhs)
1	Andhra Pradesh	2	75.00
2	Maharashtra	1	37.50
3	Punjab	1	37.50
4	Karnataka	1	37.50
5	Tamil Nadu	1	37.50
6	Uttarakhand	1	37.50
7	West Bengal	1	37.50
	<b>Total</b>	<b>8</b>	<b>300.00</b>

3. The above grant is subject to the following terms and conditions:

- The Institutions shall implement activities within the framework of Project Implementation Plan (PIP), Development Credit Agreement (DCA) and Project Agreement (PA).

(सुजित कुमार) SUJIT KUMAR

अवर सचिव/Under Secretary

भारत सरकार/Govt. of India

मा. सं. वि. मन्त्रालय/Min. of H. R. D.



- II. The amount sanctioned will be spent as per the percentage indicated in the Project implementation Plan (PIP) on Procurement of Goods (Equipments, Furniture, Books & LR's & Software), Minor items, Refurbishment (Minor Civil Works), Consultancy services, Teaching and Research Assistantships, Research and Development, Faculty and Staff Development, Industry Institute Interaction, Institutional Management Capacity enhancement, Institutional reforms, academic Support for weak students and incremental operating cost.
- III. In addition the amount will be spent for salaries and allowances for agreed key additional faculty and staff and travel and supervision cost incurred for the purpose of carrying the project cost of operation and maintenance of equipment and vehicles, office rental and expenses and hiring of vehicles.
- IV. The amount of grant shall be utilized for the purpose for which it is sanctioned with due regard to economy, efficiency and sustainable achievement of the project's objectives.
- V. No portion of the sanctioned amount shall be diverted for any purpose other than that for which it has been sanctioned;
- VI. The assets acquired wholly or substantially out of the grant shall not, without the prior sanction of the Government of India, be disposed, encumbered or utilized for any purpose other than that for which it is sanctioned;
- VII. The amount of this grant, in so far as the utilization is concerned, will be open to test check by the Comptroller & Auditor General of India or his representative at his discretion. Intimation about the arrangements for such a test will be sent to the Institution in so far as Central Government funds are concerned. It will also be open to test check by an officer of the Government of India;
- VIII. The requirement of production of Utilization Certificate in respect of the grant of sanction by the Government of India should be fulfilled to the satisfaction of the Government.
- IX. The next instalment of Govt. of India's grant, if any, will be sanctioned after the amount of the present grant has been utilized and the progress report of expenditure incurred thereon is submitted.
- X. The institution shall submit the Financial Monitoring Report on quarterly basis to NPIU in the proforma given in the Financial Mgmt. Manual within 30 days of the completion of each quarter.
- XI. The institution shall conduct the audit of financial statements after the completion of each financial year as per the Terms of Reference (ToR) and Selection Criteria for audit of financial statements as mentioned in the Financial Management Manual.
- XII. The instructions given in the Project Implementation Plan (PIP) as regards to the permissible and non-permissible expenses should be followed.
- XIII. All accounting and financial instructions given in the Financial Management Manual should be followed for TEQIP-II.

4. The amount sanctioned is debited to Demand No. 60, Department of Higher Education, -3601 Major Head - Grants in aid to State Governments -04 -Grants to Centrally Sponsored Plan Schemes, 789-Special component plan for Scheduled Castes,- Technical Education- Engineering Technical colleges and Institutes, -03- Technical Education Quality Improvement Programme of Government of India, 03.01.31-Grants in aid General ( 3601.04.789.03.01.31) for the year 2013-2014 (Plan).

(सुजात कुमार / SUJATA KUMAR)  
अवर सचिव / Under Secretary  
भारत सरकार / Government of India



5. The sanction is issued in exercise of the powers delegated to Ministries under DFPR, 1978, as amended from time to time. Above grants are being released in accordance with the pattern of Assistance approved by the Ministry of finance, Government of India. It is also certified that this Sanction is being issued in conformity with the rules and principles of the scheme.
6. The previous unspent balance of grants under the scheme if any, lying with grantee Institute has been adjusted while preparing release of grants and grantee may utilize the unspent balance, if any also along with their grant for the purpose for which it is mentioned.
7. The Institution has been exempted from execution of bond, etc. In terms of the Ministry of Finance (Department of Expenditure)'s O.M. No.(1)E.II/A dated 23.6.1985.
8. Any future grant will be released to this Institution only after they have satisfied the Ministry that adequate provision for representation of SC/ST has been made in its constitution/rules and these are being followed in actual practice in filling up vacancies reserved for SC/ST candidates every year.
9. The Institute shall fully implement the official language policy of the Union Government i.e. the Institutions shall fully comply with the Official Languages Act, 1963 and Official Languages Use for the Official Purpose of the Union Rules, 1976, etc.
10. On receipt of sanction letter, the Principal Accounts Officer may issue an advice to the Reserve Bank of India (Central Accounts Section), Nagpur for affording credit to the balance of the State Government. The Principal Accounts Officer may forward a copy of the advice to the Accountant General and Finance Department of the State Government as well as Secretary, Technical Education of the State with a copy to the undersigned.
11. The grantee Institute is situated under the concerned jurisdiction of the Director General of Audit.
12. The Institutions shall furnish to the Government a utilization certificate duly signed by the authorized Auditor of the Institutions and counter signed by the Director of the Institutions to the effect that the grant has been utilized for the purpose for which it was sanctioned supported by the audited Statement of Accounts of the Institutions in respect of grant released under the scheme of Technical Education Quality Improvement Programme Phase II of Government of India. The requirement of production of Utilization Certificate in respect of the grants already sanctioned by the Government of India should be fulfilled to the satisfaction of the Government. The institute shall furnish Utilisation Certificate immediately after the closing of the financial year 2013-14.
13. These Institutions have no Utilization Certificates as due for rendition under the Rules under this programme of the Ministry/Department.
14. The grantee is situated under the concerned jurisdiction of the Director General of Audit.
15. The sanction is issued in exercise of delegated powers and in accordance with the Integrated Finance Division vide Dy. 4117 dated 05.08.2013 and IF.I Section vide their Dy. No. 386-IF-I dated 13.08.2013.
16. Necessary Sanction I.D. for above grants have already been generated.

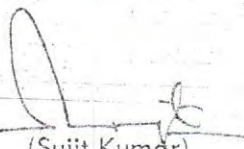
(सुजीत कुमार/SUJIT KUMAR)  
अवर सचिव/Under Secretary  
भारत सरकार/Govt. of India  
मा. सं. वि. मन्त्रालय/Min. of H. R. D.  
उच्चतर शिक्षा विभाग



17. The grant mentioned in para 2 above will be released by the concerned State Governments for establishing the Centres of Excellence (CoE) in 7 States selected under Sub-component 1.2.1 under the scheme of Technical Education Quality Improvement Programme of Government of India (TEQIP)-II to the below mentioned indicated institutions mentioned against each State:

S. No.	Name of the State	Name of the institution	Name of the Centre of Excellence	Category of Institutions	Centre Share (Rs. in lakh)
1	Andhra Pradesh	Andhra University College of Engineering, Vishakhapatnam, Andhra Pradesh	Challenges of Nano-Technology for 21st century generation - Indian perspectives in global scenarios	Govt.	37.50
2		Osmania University College of Technology, Hyderabad, Andhra Pradesh	Intensification of Chemical and bio-processes	Govt.	37.50
3	Karnataka	BMS College of Engineering, Bangalore, Karnataka	Advanced material research	Govt. Aided	37.50
4	Maharashtra	Shri Guru Gobind Singh ji Institute of Engineering & Technology, Nanded, Maharashtra	Signal and Image Processing	Govt. Aided	37.50
5	Punjab	Thapar University, Patiala, Punjab	Environment and energy management	Govt. Aided	37.50
6	Tamil Nadu	Govt. College of Technology, Coimbatore, Tamil Nadu	Environmental Studies	Govt.	37.50
7	Uttarakhand	College of Technology - GB Pant University of Agriculture & Technology, Pantnagar, Uttarakhand	Energy Studies in Industries and agro-systems of Uttarakhand (Energy Management)	Govt. Aided	37.50
8	West Bengal	University College of Technology - University of Calcutta, West Bengal	Systems Biology and Bio-medical Engg.	Govt.	37.50
<b>Grand Total</b>					<b>300.00</b>

Yours faithfully,

  
(Sujit Kumar)

Under Secretary (Mgmt.)

(सुजीत कुमार/SUJIT KUMAR)  
अवर सचिव/Under Secretary  
भारत सरकार/Govt. of India  
मा. सं. वि. मंत्रालय/Min. of H. R. D.  
उच्चतर शिक्षा विभाग/D/o Higher Edn.  
नई दिल्ली/New Delhi

Copy to:

1. The Secretary, Technical Education, Andhra Pradesh, Maharashtra, Punjab, Karnataka, Tamil Nadu, Uttarakhand and West Bengal with a request to make expenditure of central grants strictly as indicated in the sanction letter and submit the progress report regularly.
2. Secretary, Finance Department of Andhra Pradesh, Maharashtra, Punjab, Karnataka, Tamil Nadu, Uttarakhand and West Bengal. It is requested that funds released through this sanction letter may be transferred to the Technical Education Department at the earliest for onward release to the concerned institute as mentioned above.
3. Director, Technical Education Andhra Pradesh, Maharashtra, Punjab, Karnataka, Tamil Nadu, Uttarakhand and West Bengal.
4. Prof. A.U.Digraskar, Central Project Adviser, National Project Implementation Unit, EdCIL House, Noida. **With a request to send copy of sanction letter to all the concerned institutes.**
5. The Director General of Audit, Central Revenue, AGCR Building, IP Estate, New Delhi.
6. Internal Audit, Principal Accounts Office, MHRD, Shastri Bhawan, New Delhi.
7. IF-1
8. E.C. Unit
- 9
- IFD
10. Guard file

(Sujit Kumar)

Under Secretary (MHRD)  
अवर सचिव / Under Secretary  
भारत सरकार / Govt. of India  
मा. सं. वि. मन्त्रालय / Min. of H. R. D.  
उच्चतर शिक्षा विभाग / D/o Higher Edn.  
नई दिल्ली / New Delhi



13

Annex-3

Sanction 3 of 3

F. No. 16-13/2013-TS.VII  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education  
(Technical Section - VII)  
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Room No. 433-C Wing  
Shastri Bhawan, New Delhi-110015  
16<sup>th</sup> August, 2013

To

The Principal Accounts Officer  
Principal Accounts Office, MHRD  
Department of Higher Education  
Shastri Bhawan, New Delhi-110015.

Sub:- Release of Grants (Plan) to 8 Institutions for Establishing the Centres of Excellence (CoE) in 7 States selected under Sub-component 1.2.1 under Technical Education Quality Improvement Programme of Government of India (TEQIP)-II for the year 2013-2014 (ST).

Sir,

I am directed to say that Government of India is providing financial assistance to Government/ Govt. Aided Institutions for Rs. 150.00 lakhs (**Rs. One crore fifty lakh only**) to 8 Institutes i.e 75% of the grant to 7 states as Central Share as per detailed below under the scheme of Technical Education Quality Improvement Programme of Government of India (TEQIP)-II for establishing the centres of excellence. Remaining 25% shares will be released by the respective States. The amount of Rs. 150.00 lakhs is to be released based on progress achieved. The grants under the scheme are to be released through concerned State Governments through book transfer via RBI for further release of the specified amount to the concerned Institute as per the terms contained herein.

2. Accordingly, I am directed to convey the sanction of the President of India to the release of a sum of Rs. 150.00 lakhs (**Rs. One crore fifty lakh only**) to the Secretary dealing with their respective States as per the details given below under the World Bank assisted Technical Education Quality Improvement Programme of Government of India (TEQIP) during the year 2013-2014 for meeting the non recurring expenditure.

S. No.	Name of State	Total No. of CoE Institutions	Centre Share (Rs. in lakhs)
1	Andhra Pradesh	2	37.50
2	Maharashtra	1	18.75
3	Punjab	1	18.75
4	Karnataka	1	18.75
5	Tamil Nadu	1	18.75
6	Uttarakhand	1	18.75
7	West Bengal	1	18.75
	Total	8	150.00

3. The above grant is subject to the following terms and conditions:

- The Institutions shall implement activities within the framework of Project Implementation Plan (PIP), Development Credit Agreement (DCA) and Project Agreement (PA).

(सुजीत कुमार / SUJIT KUMAR)  
अवर सचिव / Under Secretary  
भारत सरकार / Govt. of India



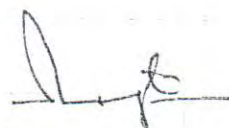
- II. The amount sanctioned will be spent as per the percentage indicated in the Project implementation Plan (PIP) on Procurement of Goods (Equipments, Furniture, Books & LR's & Software), Minor items, Refurbishment (Minor Civil Works), Consultancy services, Teaching and Research Assistantships, Research and Development, Faculty and Staff Development, Industry Institute Interaction, Institutional Management Capacity enhancement, Institutional reforms, academic Support for weak students and incremental operating cost.
- III. In addition the amount will be spent for salaries and allowances for agreed key additional faculty and staff and travel and supervision cost incurred for the purpose of carrying the project cost of operation and maintenance of equipment and vehicles, office rental and expenses and hiring of vehicles.
- IV. The amount of grant shall be utilized for the purpose for which it is sanctioned with due regard to economy, efficiency and sustainable achievement of the project's objectives.
- V. No portion of the sanctioned amount shall be diverted for any purpose other than that for which it has been sanctioned;
- VI. The assets acquired wholly or substantially out of the grant shall not, without the prior sanction of the Government of India, be disposed, encumbered or utilized for any purpose other than that for which it is sanctioned;
- VII. The amount of this grant, in so far as the utilization is concerned, will be open to test check by the Comptroller & Auditor General of India or his representative at his discretion. Intimation about the arrangements for such a test will be sent to the Institution in so far as Central Government funds are concerned. It will also be open to test check by an officer of the Government of India;
- VIII. The requirement of production of Utilization Certificate in respect of the grant of sanction by the Government of India should be fulfilled to the satisfaction of the Government.
- IX. The next instalment of Govt. of India's grant, if any, will be sanctioned after the amount of the present grant has been utilized and the progress report of expenditure incurred thereon is submitted.
- X. The institution shall submit the Financial Monitoring Report on quarterly basis to NPIU in the proforma given in the Financial Mgmt. Manual within 30 days of the completion of each quarter.
- XI. The institution shall conduct the audit of financial statements after the completion of each financial year as per the Terms of Reference (ToR) and Selection Criteria for audit of financial statements as mentioned in the Financial Management Manual.
- XII. The instructions given in the Project Implementation Plan (PIP) as regards to the permissible and non-permissible expenses should be followed.
- XIII. All accounting and financial instructions given in the Financial Management Manual should be followed for TEQIP-II.

4. The amount sanctioned is debited to Demand No. 60, Department of Higher Education, -3601 Major Head - Grants in aid to State Governments -04 -Grants to Centrally Sponsored Plan Schemes, 796 (Schedule Tribes sub plan)- Technical Education- Engineering, Technical colleges and Institutes, -08- Technical Education Quality Improvement Programme of Government of India, 08.01.31-Grants in aid (3601.04.796.08.01.31 ) for the year for the year 2013-2014 (Plan).

(सुजित कुमार SUJIT KUMAR)  
अवर सचिव Under Secretary  
भारत India



5. The sanction is issued in exercise of the powers delegated to Ministries under DFPR, 1978, as amended from time to time. Above grants are being released in accordance with the pattern of Assistance approved by the Ministry of finance, Government of India. It is also certified that this Sanction is being issued in conformity with the rules and principles of the scheme.
6. The previous unspent balance of grants under the scheme if any, lying with grantee Institute has been adjusted while preparing release of grants and grantee may utilize the unspent balance if any also along with their grant for the purpose for which it is mentioned.
7. The Institution has been exempted from execution of bond, etc. In terms of the Ministry of Finance (Department of Expenditure)'s O.M. No.(1)E.II/A dated 23.6.1985.
8. Any future grant will be released to this Institution only after they have satisfied the Ministry that adequate provision for representation of SC/ST has been made in its constitution/rules and these are being followed in actual practice in filling up vacancies reserved for SC/ST candidates every year.
9. The Institute shall fully implement the official language policy of the Union Government i.e. the Institutions shall fully comply with the Official Languages Act, 1963 and Official Languages Use for the Official Purpose of the Union Rules, 1976, etc.
10. On receipt of sanction letter, the Principal Accounts Officer may issue an advice to the Reserve Bank of India (Central Accounts Section), Nagpur for affording credit to the balance of the State Government. The Principal Accounts Officer may forward a copy of the advice to the Accountant General and Finance Department of the State Government as well as Secretary, Technical Education of the State with a copy to the undersigned.
11. The grantee Institute is situated under the concerned jurisdiction of the Director General of Audit.
12. The Institutions shall furnish to the Government a utilization certificate duly signed by the authorized Auditor of the Institutions and counter signed by the Director of the Institutions to the effect that the grant has been utilized for the purpose for which it was sanctioned supported by the audited Statement of Accounts of the Institutions in respect of grant released under the scheme of Technical Education Quality Improvement Programme Phase II of Government of India. The requirement of production of Utilization Certificate in respect of the grants already sanctioned by the Government of India should be fulfilled to the satisfaction of the Government. The institute shall furnish Utilisation Certificate immediately after the closing of the financial year 2013-14.
13. These Institutions have no Utilization Certificates as due for rendition under the Rules under this programme of the Ministry/Department.
14. The grantee is situated under the concerned jurisdiction of the Director General of Audit.
15. The sanction is issued in exercise of delegated powers and in accordance with the Integrated Finance Division vide Dy. 4117 dated 05.08.2013 and IF.I Section vide their Dy. No. 386-IF-I dated 13.08.2013.
16. Necessary Sanction I.D. for above grants have already been generated.

  
(सुजीत कुमार/SUJIT KUMAR)  
अवर सचिव/Under Secretary  
भारत सरकार/Govt. of India



17. The grant mentioned in para 2 above will be released by the concerned State Governments for establishing the Centres of Excellence (CoE) in 7 States selected under Sub-component 1.2.1 under the scheme of Technical Education Quality Improvement Programme of Government of India (TEQIP)-II to the below mentioned indicated institutions mentioned against each State:

S. No.	Name of the State	Name of the institution	Name of the Centre of Excellence	Category of Institutions	Centre Share (Rs. in lakh)
1	Andhra Pradesh	Andhra University College of Engineering, Vishakhapatnam, Andhra Pradesh	Challenges of Nano-Technology for 21st century generation - Indian perspectives in global scenarios	Govt.	18.75
2		Osmania University College of Technology, Hyderabad, Andhra Pradesh	Intensification of Chemical and bio-processes	Govt.	18.75
3	Karnataka	BMS College of Engineering, Bangalore, Karnataka	Advanced material research	Govt. Aided	18.75
4	Maharashtra	Shri Guru Gobind Singh ji Institute of Engineering & Technology, Nanded, Maharashtra	Signal and Image Processing	Govt. Aided	18.75
5	Punjab	Thapar University, Patiala, Punjab	Environment and energy management	Govt. Aided	18.75
6	Tamil Nadu	Govt. College of Technology, Coimbatore, Tamil Nadu	Environmental Studies	Govt.	18.75
7	Uttarakhand	College of Technology - GB Pant University of Agriculture & Technology, Pantnagar, Uttarakhand	Energy Studies in Industries and agro-systems of Uttarakhand (Energy Management)	Govt. Aided	18.75
8	West Bengal	University College of Technology - University of Calcutta, West Bengal	Systems Biology and Bio-medical Engg.	Govt.	18.75
<b>Grand Total</b>					<b>150.00</b>

Yours faithfully,

  
(Sujit Kumar)

Under Secretary (Mgmt.)

(सुजीत कुमार/SUJIT KUMAR)

अवर सचिव/Under Secretary

भारत सरकार/Govt. of India

मा. सं. वि. मंत्रालय/Min. of H. R. D.

उच्चतर शिक्षा विभाग/D/o Higher Edn.

नई दिल्ली/New Delhi



Copy to:

1. The Secretary, Technical Education, Andhra Pradesh, Maharashtra, Punjab, Karnataka, Tamil Nadu, Uttarakhand and West Bengal with a request to make expenditure of central grants strictly as indicated in the sanction letter and submit the progress report regularly.
2. Secretary, Finance Department of Andhra Pradesh, Maharashtra, Punjab, Karnataka, Tamil Nadu, Uttarakhand and West Bengal. It is requested that funds released through this sanction letter may be transferred to the Technical Education Department at the earliest for onward release to the concerned institute as mentioned above.
3. Director, Technical Education Andhra Pradesh, Maharashtra, Punjab, Karnataka, Tamil Nadu, Uttarakhand and West Bengal.
4. Prof. A.U.Digraskar, Central Project Adviser, National Project Implementation Unit, EdCIL House, Noida. **With a request to send copy of sanction letter to all the concerned institutes.**
5. The Director General of Audit, Central Revenue, AGCR Building, IP Estate, New Delhi.
6. Internal Audit, Principal Accounts Office, MHRD, Shastri Bhawan, New Delhi.

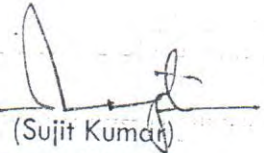
7. IF-1

8. E.C. Unit

9

IFD

10. Guard file



(Sujit Kumar)

Under Secretary (Mgmt.)  
अवर सचिव/Under Secretary  
भारत सरकार/Govt. of India  
मा. सं. वि. मन्त्रालय/Min. of H. R. D.  
उच्चतर शिक्षा विभाग/D/o Higher Edn.  
नई दिल्ली/New Delhi

**TECHNICAL EDUCATION QUALITY  
IMPROVEMENT PROGRAMME (TEQIP) PHASE-II**

**CONCEPT PAPER FOR ESTABLISHMENT OF CENTRES OF EXCELLENCE**



### **Sub-component 1.2.1 : Establishing Centres of Excellence**

**1. Objective:**

To support establishment of Centres of Excellence for collaborative and multi-disciplinary research within specific thematic areas of regional or national importance.

**2. Scope:**

Establishment of about 30 Centres of Excellence (CoE) in Centrally Funded Institutions (CFIs), Government funded, Government aided and Private unaided Institutions for collaborative research will be supported in eligible institutions out of those selected under Sub-component 1.2 and having the potential for undertaking applicable and collaborative research. An additional fund will be given for the same.

The specific thematic areas could include the following: Manufacturing, Information & Communication Technology (ICT), Renewable Energy (Solar, Wind, Wave Energy, etc.), Hydrology and Water Resource Management, Traffic & Highway Safety, advanced transport systems (urban and rural), Intelligent Transportation System, Advanced Materials, Disaster Management, Nanotechnology, Security Technology, Semi Conductors, Logistics and Distribution systems, Bio-medical Instrumentation, Waste Management, Bio-Technology, Image Processing, Sensor Technology, Turbo machinery and Propulsive systems, Urban structures, Pollution and climate, robotics, Bio-medical technology (bone, joints, tissue technology), Forensic science, Archaeological science (epigraphy, radio carbon dating, heritage building, archaeo-metallurgy, etc). Fundamental research areas will be encouraged such as advanced mechanics, flow control and fluidics, etc.

This is an illustrative list. Centres within other thematic areas of demonstrated regional or national importance will be considered as well.

**3. Salient Features of a CoE**

- The COE should be relevant to Indian technological needs and have a long-term vision of evolving technological requirements and changing natural/societal constraints
- A Centre of Excellence (CoE) is expected to be a collaborative activity between a team of high quality researchers in the institution and researchers or research users in several companies or organizations. In cases where the nature of research is partially related to production or improvement of public goods, collaboration may include appropriate public agencies. In all cases, however, CoEs will need to demonstrate that the majority of their collaborators are from private firms (if such exist within the thematic research areas).
- The CoE is expected to contribute significantly both to economic advancement and to building a robust research culture in institutions that is more applied and collaborative in nature. In particular, the CoE is expected to address emerging industry and societal needs in close collaboration with industries and users, within India and possibly abroad. The scientific merit of the research undertaken is as important as the relevance to economic growth and development.



- The CoE is expected to further scale-up Postgraduate Education through increased enrolments for Masters and Doctoral programmes in topics closely linked to the thematic areas of the CoE and therefore closely linked to economic and societal needs. Some of these students could also undertake their research within collaborating firms.
- The Centre should join faculty members from several departments around a common research programme, in which all the collaborating departments are expected to share their physical and intellectual resources with each other. Evaluation will give greater weight to CoEs that are multi-disciplinary in nature.
- The Centre is expected to trigger an R&D culture in the institutions as evidenced by significant increase in commercial applications and research outputs, collaborative and sponsored research, publications, in reputed national/international journals and conferences, patents, innovations, commercialized products and PhD enrolments.
- The Centre is expected to increase collaboration with National and International academic and research institutions/organizations. This will facilitate transfer of technology and knowledge to improve the quality of research and development, and aim to create a critical mass of researchers with potential for global research and development.

#### 4. Deliverables:

The CoEs are expected to ensure the following deliverables:

- Increased collaborative and applied research as documented by:
  - Increase in external R&D funding, notably Industry sponsored R&D projects and Industry Chairs
  - Increase in patents filed and obtained or other manners of knowledge commercialization and transfer
- Increased production of advanced human capital as measured by:
  - Increase in enrolment of Masters and Doctoral students
  - Increase in number of MTech/PhD Graduates
  - Increase in placement of graduate students and research staff in short- and long-term positions within collaborating firms as well as with local industry
  - Updated and more relevant undergraduate and postgraduate engineering curricula
- Developing long term R& D capability as evidenced by:
  - Increase in publications in refereed Journals
  - Increase in joint publications in refereed Journals with international authors
  - Increase in joint programmes/projects/exchanges with international research organisations and institutions
  - External awards for research at the National and International levels.
  - Publications of books, and technical reports



## 5. Selection:

Institutions for establishing a CoE will be selected through a competitive process based on the merit of their proposal(s). One of the important attachments with the proposal is the MoU agreed with relevant industries/research institutions/organisations within India/abroad [see Annex-IV (B).c]. A committee of subject experts from the pool of National Evaluation Committee (NEC) members will evaluate the proposals and recommend meritorious proposals for selection. Some institutions may be required to undertake improvements in their proposal before commencement of funding. A maximum of two Centres of Excellence can be supported in an institution under this Sub-component. It is expected that only a very few number of institutions will receive award of two CoEs, if any at all. Institutions are encouraged to focus efforts on only one CoE proposal.

## 6. Funding Pattern:

The additional funding to the institution for carrying out the activities of a Centre of Excellence is expected to be around Rs. 5.00 crore over 2-½ years (this would be in addition to allocation under Sub-component 1.2). The bulk of the funding is to be spent on research within India. <sup>1</sup>This funding is towards research equipment, research material, books and learning resources, consultant services, research studies, training, 10 to 15 additional teaching/research assistantships, study tours; workshops, seminars, etc. in thematic areas and commercialisation costs, such as business-plan development, prototyping and patenting [see Table-19(a) of Project Implementation Plan (PIP) on permissible and non-permissible expenditures].

Continuation of funding beyond the Second Year of award of COE will be subject to review of progress towards the agreed deliverables, and fund utilisation rate.

## 7. The following activities are envisaged under this Sub-component:

### (i) Improvement in research and development facilities:

*Procurement of Goods [equipment; furniture; books & LR's, softwares] and minor civil works may be required under the Project for improvement in research and development facilities. A maximum of 55% of total project allocation (estimated Rs. 2.75 crore) can to be made for procurement by each project institution (Centrally funded, Government funded and Government aided Institutions) for this activity.*

The various sub-activities are as follows:

#### a) Establishment of new laboratories for:

- Starting new Masters and Doctoral programmes relevant to thematic areas,
- Establishment of incubation centres,
- Establishment of Technology transfer cell, and
- Increased research ambience by providing state-of-art research facilities in thematic areas.

<sup>1</sup> Exceptions could include study programmes abroad, attending overseas conferences etc.



- b) *Establishment of a knowledge resource centre (library) in the thematic area:* A knowledge resource centre (library) may be setup for each CoE provided with a comprehensive collection of books, journals and reference materials (in print and electronic form), proceedings of conferences and seminars, published and unpublished reports, research studies, thesis, links to databases and other resource centres, links to experts in thematic areas, etc. The knowledge resource centre may also be provided with relevant equipment.
- c) *Procurement of Furniture:* Furniture may be required for establishment of new laboratories and knowledge resource centre. Provision would need to be made for such procurement in the Institutional Development Proposal for CoE.
- d) *Minor civil works:* The minor civil works to be undertaken, if any, by the institution under this category are to be confined to laboratories only such as changing of the existing functions of an old structure/space to a new proposed function.

The expenditure on civil works should not exceed 3% of the total allocation for the CoE.

**(ii) Providing Teaching and Research Assistantships for enrolment in Masters and Doctoral programmes in topics linked to economic or societal needs in the thematic areas:**

The aim is to attract students to Masters and Doctoral programmes started under CoE and provide Assistantships. It is envisaged that the programmes under CoE will necessarily be linked to economic and social needs in the thematic areas. Institutions may give emphasis to start Masters (by research) programmes. Institutions also need to ensure availability of qualified faculty, Post-doctoral fellows, visiting experts and essential technical staff.

It is expected that each institution participating in this Sub-component will provide at least 10 to 15 additional Teaching/Research Assistantships per CoE to the students that do not receive GATE scholarships (scholarships are already available to the GATE qualified students and those doing PhD under QIP) as per the prevalent UGC/AICTE norms. Candidates sponsored by Industry will be allowed to enroll in all PG programmes

Those receiving assistantships will be required to devote 8-10 hours per week for research. Outstanding candidates enrolled for PhD, in select cases, could be supported to attend International workshops, Internship at renowned institutions/laboratories/industry (Indian or global)

Starting of new AICTE approved PG/Doctoral programmes in thematic area of a CoE will be supported under the Project provided that these are started latest by December 2012.



**(iii) Collaboration with Industry for applicable research and product development:**

This can be achieved through a combination of the following as well as other activities:

- a) *Industry collaborations for applicable thematic research:* The CoEs are expected to have potential for interaction with Industry to create research ambience in the institutions and to provide state-of-art research facilities in specific areas of Engineering and Technology. Industry-academia linkages are to be encouraged by associating students with Industry-sponsored projects under the guidance of senior faculty members. CoEs are to motivate Industry to sponsor R&D projects for indigenous developments and for continuous updation of technology to keep pace with the latest developments globally and to have cost effective, Industry relevant research and development that can make institutions with CoEs as Centres of Innovation.

CoEs are to be proactive in increasing Industry involvement in all the relevant areas in the institution and create a pool of "Industry Patrons". It will help to create an environment of innovation in the institutions and enable absorption of the advanced technologies in niche areas and to develop future-ready indigenous technologies.

- b) *Converting innovative ideas into projects/products in close collaboration with both private and public sector Industries:* CoEs need to address emerging technologies to realize their full potential for creating stronger links between Academia and Industry, which stimulate development of innovative ideas and solutions. The evaluation of innovative ideas and products with regard to their potential in terms of successful market penetration and the degree of innovation is a special challenge for research and development.

**(iv) Collaboration with Industry in Education and Research:**

CoEs are also required to collaborate in the area of education and training of Postgraduate students. The Industry-academia linkages are to be encouraged by associating students with Industry-sponsored projects under the guidance of senior faculty members and private sector researchers. This collaboration could take the form of:

- a) *Attracting top-class talent through Masters and Doctoral programmes in topics linked to economic or societal needs in the Centre's thematic areas:* A key aim is to attract students to Masters and Doctoral programmes started under CoE and provide Assistantships. The CoEs are expected to contribute to the training of R&D manpower for industry. The increased industry collaboration should raise the profile, quality and relevance of the post-graduates and thereby be able to attract top-class talent to the PG programmes. Further, some of these graduates are expected to be spun out to local industry eventually. Institutions may give emphasis to start Masters (by research) programmes. CoE proposals should be explicit about the areas of PG education to be improved/offered, how it relates to the core research mandates, and, where applicable, how it will draw on resources outside the CoE and/or the host institution. Starting of new AICTE approved PG/Doctoral programmes in thematic area of a CoE can be supported under the project provided that these programs can be started by the end of calendar year 2012.



- b) *Introduce a "PhD in Industry" Programme:* CoEs are encouraged to introduce a "PhD in Industry" programme. Such programmes aim to provide an opportunity for PhD students in the CoEs to pursue research in a corporate setting with the participating company. Each PhD will have an academic advisor from the institution and an industry advisor from the sponsoring company. The student's research project will be part and parcel of the company's research agenda. Thereby, postgraduate students will be exposed to real-life industry practices, and have first-hand experience and understanding of the engineering and business skills required to succeed in this profession. Host company could pay in-cash to the student on a regular basis to increase the value of their scholarship/assistantship. The company would also offer office space and an industry mentors' time. Host companies may also provide other non-cash support such as the provision of travel expenses and additional training opportunities, etc.

**(v) National/International collaboration for Research and Development activities with Academic Institutions and R&D organizations:**

The institutions with CoE need to collaborate with laboratories, professional bodies and Societies, R&D organizations within India and abroad, through Memorandum of Understanding for acquisition of the latest knowledge and technical know-how (Guidelines for International travel are given in Annex-VII).

The CoEs through collaboration are expected to contribute to the development and elevation in the position of Engineering Education and Engineering professionals in society, and act as a link between its members, societies and International bodies. CoEs are further expected to foster excellence and innovation in Engineering by excelling in research, public service and practice; and providing quality products in their regions and around the world through International linkages and cooperative partnerships.

**(vi) Enhancing research competence of faculty and knowledge sharing in thematic areas, both within India and abroad:**

The faculty training should be closely linked to the objectives of CoE and coordinated with the proposed investment in equipment, learning resources and facilities. Institutions should plan to spend at least 10% of the outlay for CoE on faculty training.

The faculty training can be carried out through the following activities.

- a) *Subject knowledge and research competence upgradation:* Subject knowledge upgradation is to make the faculty aware of the advances in knowledge, technologies and research methodologies for improving their performance and for achieving the objectives of CoE. Faculty should be on the lookout for appropriate opportunities.
- b) *Participation in seminars, conferences and workshops:* Faculty is to be encouraged to participate in seminars, conferences and workshops, both National and International. Short-term research/post-doctoral visits to laboratories/institutions; short-leave for carrying out collaborative research at institutes of repute will be permitted. The faculty participating in such activities need to be encouraged and supported to visit close-by institutions and laboratories of his/her interest. Besides, accrual of benefits to students and in their own researches, such participation is expected to bring about further collaborations with academic institutions and R&D organizations within and outside the country. The institutions are required to establish collaborations through MoUs.



- c) *Seed grant* : Small seed grant to researchers to venture into new directions within the specified theme . This will give independence to the individual researcher.
- d) *Accountability*: The faculty after undergoing training are expected to :
- Prepare a report on the training undertaken and the experience gained.
  - Share their experience with students and other faculty/staff through seminars.
  - Host the report on the institution's web site which is to be linked to the NPIU's web site.

**8. Important Notes:**

*Note 1 : The activities like establishment of a new institution, large scale civil works, introducing new UG programmes will not be eligible for funding.*

*Note 2 : Procurement of consultant services, if required for the activities listed in Table No. 19 (a) of PIP from Sr. No. 3-5 are permitted. The expenditure on Procurement of consultant services is to be booked against that particular activity. The services of consultants are to be procured by following the World Bank norms and through the PMSS.*

*Note 3 : The project institutions should note that, "the procurement of goods is to be done strictly amongst the activities which are detailed-out in Section-2, 3, 6 and 7 of PIP under the "Improvement in Research and Development facilities", as required and justified by institutions to fulfil the project objectives.*

### Selection of Institutions under Sub-component 1.2.1 (Establishing Centres of Excellence)

Only the Institutions, which have already been selected under Sub-component 1.2, can on invitation submit proposals for establishing a Centre of Excellence (CoE).

#### Eligibility Criteria for Sub-component 1.2.1:

Institutions to be eligible under the Sub-component 1.2.1 must meet the following benchmarks:

S. No.	Eligibility Parameters	Benchmark values
1	Autonomous Institution Status by UGC	Yes
2	Percentage of eligible UG programmes in the institution accredited or applied for	75%
3	Percentage of eligible PG programmes in the institution accredited or applied for	60%
4	Percentage of regular faculty with PhD in Engineering as percentage of total faculty available in Engineering in the institution	20*
5	Number of sponsored research projects completed in the institution in the last three academic years (2009-10, 2010-11, 2011-12)	07
6	Cumulative number of PhDs produced in the last three academic years (2009-10, 2010-11, 2011-12) in the Departments participating for establishing CoEs	12**
7	Faculty positions filled on regular full time basis as percentage of total faculty positions sanctioned in accordance with the AICTE prescribed student-to-faculty ratio in the Departments participating for establishing CoEs	70%

\* Institutions having 50% of regular faculty with PhD in Engineering of the total regular faculty in Engineering; out of which 75% in the proposed theme area will be given weightage.

\*\* Institutions having produced 25 Nos. of PhDs in last three academic year will be given weightage.

Note 1 : The benchmarks prescribed for Sub-component 1.2 are deemed to have been met by the applicant Institutions.

Note 2 : Minimum number of participating faculty in the centre – 4.

Note 3 : In respect of accreditation benchmarks for Undergraduate and Postgraduate programmes in Universities, Deemed Universities, University Constituent Colleges/Faculties/Departments, NAAC accreditation is acceptable at the entry point. However, all such project entities will have to essentially achieve the Undergraduate and Postgraduate programme targets of **NBA accreditation** as given in Table-35 of PIP for Sub-component 1.2.



**Evaluation of Institutional Development Proposals under Sub-component 1.2.1:** The steps for evaluation of these proposals are:

**Invitation and Screening of Institutions by NPIU:**

- Invitation by e-mail to the Institutions selected under Sub-component 1.2 to submit proposals to the NPIU for establishing Centres of Excellence in the prescribed format [Format given in Annex-IV-(B).c].
- NPIU screens the received proposals for completeness and for eligibility criteria.
- Incomplete proposals and/or proposals that do not meet the criteria will be returned to the Institutions.

**Evaluation of Proposals based on Implementation Feasibility and Action Plans:**

- Evaluation and ranking of proposals by a National Evaluation Committee (NEC) (evaluation scheme is presented in Table given below), taking into account the suggestions from the local and international domain experts.
- The proposals ranked "Good" [scoring 60 marks and more] may be asked to make a presentation before the National Evaluation Committee (NEC).
- NPIU will send comments and recommendations (including the comments of the local and international domain experts) from the National Evaluation Committee (NEC) to the National Steering Committee (NSC).
- Selection of Institutions by the National Steering Committee (NSC) along with fund allocation.
- Declaration of selected Institutions.
- Selection of certain institutions may be subject to a few mandatory improvements being made in their proposal.

**Evaluation Scheme for Institutional Development Proposals  
under Sub-Component 1.2.1**

S. No.	CATEGORIES	MARKS
1	<b>Implementation Feasibility</b>	
	• Overall proposal implementation feasibility	10
	• Institutional preparedness	35
	• Reasonability of proposed budget	5
	<b>Sub-total (a)</b>	<b>50</b>
2	<b>Clarity and Quality of Action Plans for :</b>	
	• establishment of CoE in terms of physical arrangements and working arrangements	10
	• conducting research and obtaining results in the identified thematic areas	10
	• communication of research findings to policy makers and potential users	5
	• commercialization of research results	5
	• scaling-up PhD and Masters enrolment in thematic areas	10
	• insuring sustenance of CoE after the end of the project	10
	<b>Sub-total (b)</b>	<b>50</b>
	<b>Total</b>	<b>100 Marks</b>



**Detailed Scheme for Evaluation of Institutional Development Proposal (IDP) under  
Sub-component 1.2.1**

S. No	Evaluation Parameters	Marks
<b>I</b>	<b>Implementation Feasibility</b>	
<b>A</b>	Overall proposal implementation feasibility	
1	Appropriateness of choice of the thematic and specific areas of CoE with respect to strengths and opportunities identified in SWOT analysis	5
2	Appropriateness of the specific objectives identified for CoE	5
<b>B</b>	Institutional preparedness	
1	Adequacy of involvement of various departments for CoE activities	5
2	Faculty Qualification and PhDs produced:	
	• 50% of regular faculty with PhD in Engineering of the total regular faculty in Engineering; out of which 75% in the proposed theme area	5
	• 25 number of PhDs (Cumulative) produced in the last three academic years (2009-10, 2010-11, 2011-12) in the Departments participating for establishing CoEs	5
3	Quality of faculty in terms of credentials and achievements to be associated with CoE	10
4	Adequacy and quality of collaborative arrangements and clarity of responsibilities as given in MoUs with Industries / research institutions / organizations within India and abroad	10
<b>C</b>	Reasonability of proposed budget	5
<b>Sub-total (I)</b>		<b>50</b>
<b>II</b>	<b>Clarity and Quality of Action Plans for :</b>	
<b>D</b>	establishment of CoE in terms of physical arrangements and working arrangements	10
<b>E</b>	conducting research and obtaining results in the identified thematic areas	10
<b>F</b>	communication of research findings to policy makers and potential users	5
<b>G</b>	commercialization of research results	5
<b>H</b>	scaling-up PhD and Masters enrolment in thematic areas	10
<b>I</b>	insuring sustenance of CoE after the end of the project	10
<b>Sub-total (II)</b>		<b>50</b>
<b>TOTAL (I+II)</b>		<b>100</b>



**Indicative Category-wise Funding for Key Activities per Centre of Excellence  
from Centrally Funded, Government funded and Government aided Institution selected  
under Sub-component 1.2.1 : (Establishing Centres of Excellence)**

S. No.	Activities	Category of Expenditure (Head of expenditure)	Percentage (%)	Cost (Rs. in crore)
1	Procurement of Goods (equipment, furniture, books LRs, software and minor items) and civil works for improvement in Research and Development facilities	Procurement	55	2.75
2	Providing Teaching and Research Assistantships for enrolment in Masters and Doctoral programmes in topics linked to economic or societal needs in the thematic areas	Assistantships	10	0.50
3	Collaboration with Industry for applicable research and product development	I-I-I Cells	5	0.25
4	National/International collaboration for Research and Development activities with academic institutions and R&D organizations	R&D	10	0.50
5	Enhancing research competence of faculty and knowledge sharing in thematic areas, both within India and abroad*	FSD	10	0.50
6	Incremental Operating Cost	Incremental Operating Cost	10	0.50
<b>TOTAL</b>			<b>100</b>	<b>5.00</b>

*\*Visit to abroad is permissible only for the faculty of the institutions.*

**Note:**

- Salary expenditure of faculty and staff appointed on contract against the existing vacancies can not be charged to the Project. However, the salary expenditure of contractual faculty/staff appointed against new posts created for the CoE can be charged to the Project.
- The Incremental Operating Cost means the costs of operation and maintenance of equipment, office expenses, hiring of vehicles, consumables, salaries and allowances of contract faculty and staff against posts created in the project. It will also include travel costs incurred for the Project Management activities i.e. visit to the NPIU, the SPFU and Universities etc.
- Procurement of consultant services, if required, for the activities listed from Sr. No. 2-5 are permitted. The expenditure on procurement of consultant services is to be booked against the head of expenditure of that particular activity. The services of consultant are to be procured by following the World Bank norms and procedures through the PMSS.

**Indicative Category-wise Funding for Key Activities per Centre of Excellence  
from Private unaided Institution selected under Sub-component 1.2.1 : (Establishing  
Centres of Excellence)**

S. No	Activities	Category of Expenditure (Head of expenditure)	Percent age (%)	Cost (Rs. in crore)
1	Providing Teaching and Research Assistantships for enrolment in Masters and Doctoral programmes in topics linked to economic or societal needs in the thematic areas	Assistantships	30	1.50
2	Collaboration with Industry for applicable research and product development	I-I-I Cells	10	0.50
3	National/International collaboration for Research and Development activities with academic institutions and R&D organizations	R&D	20	1.00
4	Enhancing research competence of faculty and knowledge sharing in thematic areas, both within India and abroad*	FSD	30	1.50
5	Incremental Operating Cost	Incremental Operating Cost	10	0.50
<b>TOTAL</b>			<b>100</b>	<b>5.00</b>

*\*Visit to abroad is permissible only for the faculty of the institutions.*

**Note:**

- Salary expenditure of faculty and staff appointed on contract against the existing vacancies can not be charged to the Project. However, the salary expenditure of contractual faculty/staff appointed against new posts created for the CoE for new PG programmes relevant to thematic areas can be charged to the Project.
- The Incremental Operating Cost means consumables, salaries and allowances of contract faculty and staff against posts created for CoE for new PG programmes relevant to thematic areas. It will also include travel costs incurred for the Project Management activities i.e. visit to the NPIU, the SPFU and Universities etc.
- Procurement of consultant services, if required, for the activities listed from Sr. No. 1-4 are permitted. The expenditure on procurement of consultant services is to be booked against the head of expenditure of that particular activity. The services of consultant are to be procured by following the World Bank norms and procedures through the PMSS.



**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)**  
**(PHASE-II)**

**FORMAT FOR  
DEVELOPMENT PROPOSAL FOR  
Sub-component 1.2.1 : Establishing Centres of Excellence (CoE)**  
**[Applicable for Institutions (CFIs, Govt. funded, Govt. aided and Private unaided) selected  
under sub-component 1.2]**

Name of the Institution : \_\_\_\_\_

Name of the Centre of Excellence to be established : \_\_\_\_\_

Specific Area(s) of excellence : \_\_\_\_\_

**Note:** Institutions desirous for establishing more than one Centre of Excellence should submit the separate proposals accordingly.

## PROPOSAL FOR ESTABLISHING A CENTRE OF EXCELLENCE

### 1. Institutional Identity:

- 1.1 Name of the Institution : \_\_\_\_\_
- 1.2 Type of Institution : CFI/Govt.funded/Govt. aided/Private unaided/Other
- 1.3 Status of Institution : Autonomous Institute as declared by University/  
Non-autonomous/Deemed University/Constituent  
College /University Technical Department or faculty  
or University Constituent College

- 1.4 Does the Institution have any CoE?: Yes/No

If Yes, write the name of the  
Department and specific areas  
of excellence

- 1.1 Name of the CoE to be established : \_\_\_\_\_
- 1.2 Specific Area of excellence : \_\_\_\_\_

- 1.7 Names of Heads of Institutions and CoE Coordinators:

Head and Coordinator	Name	Phone Number	Mobile Number	Fax Number	Email Address
Head of the Institution (Full time appointee)					
CoE Coordinator					

### 2. Eligibility Criteria:

Institutions to be eligible under the Sub-component 1.2.1 must fulfil the following benchmarks:



**Table-38**  
**Benchmarks for Institutions to qualify for Sub-component : 1.2.1**

S. No	Eligibility Parameters	Benchmark values
1	Autonomous Institution Status by UGC	Yes
2	Percentage of eligible UG programmes in the institution accredited or applied for	75%
3	Percentage of eligible PG programmes in the institution accredited or applied for	60%
4	Percentage of regular faculty with PhD in Engineering as percentage of total faculty available in Engineering in the institution	20*
5	Number of sponsored research projects completed in the institution in the last three academic years (2009-10, 2010-11, 2011-12)	07
6	Cumulative number of PhDs produced in the last three academic years (2009-10, 2010-11, 2011-12) in the Departments participating for establishing CoEs	12**
7	Faculty positions filled on regular full time basis as percentage of total faculty positions sanctioned in accordance with the AICTE prescribed student-to-faculty ratio in the Departments participating for establishing CoEs	70%

\* Institutions having 50% of regular faculty with PhD in Engineering of the total regular faculty in Engineering; out of which 75% in the proposed theme area will be given weightage.

\*\* Institutions having produced 25 Nos. of PhDs in last three academic year will be given weightage.

Note 1 : The benchmarks prescribed for Sub-component 1.2 are deemed to have been met by the applicant Institutions.

Note 2 : Minimum number of participating faculty in the centre – 4.

Note 3 : In respect of accreditation benchmarks for Undergraduate and Postgraduate programmes in Universities, Deemed Universities, University Constituent Colleges/Faculties/Departments, NAAC accreditation is acceptable at the entry point. However, all such project entities will have to essentially achieve the Undergraduate and Postgraduate programme targets of **NBA accreditation** as given in Table-35 of PIP for Sub-component 1.2.

### **3. Institutional plan for establishing CoE:**

- 3.1 Give an Executive Summary of the proposal for establishing CoE.
- 3.2 Provide the details (in terms of methodology used, analysis carried out of the data and information collected and inferences derived with respect to strengths, weaknesses, opportunities and threats) of SWOT analysis carried out.
- 3.3 Provide proof of existing expertise in the area, proof of focused activity towards the desired goals of the CoE (publications, Masters and PhD thesis), and names of



participating faculty with level of engagement (in terms of percentage of time to be given to the CoE activity).

Provide specific evidence to the potential economic and social impact that this particular CoE proposal and its partners can bring.

- 3.4 State the specific objectives of the Center of Excellence.
- 3.5 Give a detailed administrative/management and implementation structure to be followed with the hierarchy and the fund-flow chart (reduced administrative hurdles in execution, independence of action to participating faculty in the COE with respect to project related decisions, structure for disbursement of funds to participating faculty for equipment purchase/quality enhancement etc.)
- 3.6 Give the details on engagement of various departments in the institution for CoE activities.
- 3.7 Provide the CV, including the publication list of: (i) the two most important Principal Investigators from the institutions to participate in the CoE; (ii) the three most important researcher from the private sector/knowledge user partners; and (iii) provide the CV of up to 5 other institutional faculty/researchers that will participate in the CoE.
- 3.8 Give an action plan for the proposed research areas and the results to be achieved along with a brief review of literature. These objectives should be linked to the SWOT analysis.
- 3.9 Indicate the collaborative arrangements made/under discussion with industries and research institutions / organizations within India and abroad. **Attach letter of commitment from the collaborating companies/institutions with the list of detailed commitments, including in-cash contributions to the CoE and the rupee value of each major in-kind support.**
- 3.10 Give an action plan for communication to policy makers and potential users of research findings and use of CoE facilities for solving real life problems.
- 3.11 Give an action plan for technology transfer, commercialization of research, or other ways of using the R&D results for economic and social benefit.
- 3.12 Give an action plan for scaling-up PhD & Masters enrolment in the thematic area, and describe other plans for how this CoE will improve quality of education in the institutions, including UG education.
- 3.13 Give a procurement plan for Goods and Consultant Services as per Tables-36 and 37.
- 3.14 Provide budget for establishing Centre of Excellence in Table-39.
- 3.15 Provide the incremental institutional project targets against the deliverables indicated in Table-40 in addition to the targets under Sub-component 1.2 with plan for achieving the same.
- 3.16 Give an action plan on how the institution will ensure that the CoE research activities would be sustained after the end of the Project.



Table-39

## Project Budget for Sub-component 1.2.1

*Note: For details of permissible and non-permissible expenditures, please see Table-19 (a)*

S N o	Activities	Project Life Allocat ion	Financial year(Rs.in Crore)		
			2012-13	2013-14	2014-15
1	Improvement in research and development facilities through:				
	(i) Establishment of new laboratories for applicable thematic research				
	(ii) Establishment of knowledge resource center (Library) in the thematic area				
	(iii) Procurement of furniture				
	(iv) Minor Civil Works				
2	Providing Teaching and Research Assistantships for enrolment in Masters and Doctoral programmes in topics linked to economic or societal needs in the thematic areas				
3	Collaboration with Industry for applicable research and product development				
4	National/International collaboration for Research and Development activities with academic institutions and R&D organizations				
5	Enhancing research competence of faculty and knowledge sharing in thematic areas, both within India and abroad				
6	Incremental Operating Cost				
<b>TOTAL</b>					

**Table-40**  
**Incremental Project Targets for Centre of Excellence**

*Note: These targets are specific to CoE and are thus over and above those for Sub-component 1.2 of the Project.*

S. No.	Deliverables	Baseline (2010-11)	Targets to be achieved	
			At the end of 2 years	By Project closing
1	Number of International Exchange programmes			
2	Number of individual publications in peer-reviewed journals: (a) National (b) International			
3	Number of co-authored publications in peer-reviewed journals with names of authors: (a) National (b) International			
4	Number of exchange of research students with collaborating institutions: (a) National (b) International			
5	Number of exchange of research faculty with collaborating institutions: (a) National (b) International			
6	Number of patents obtained			
7	Number of patents filed			
8	Number of external R&D projects			
9	Number of Industry Chairs secured			
10	Number of MoUs with academia: (a) National (b) International			
11	Number of MoUs with industry: (a) National (b) International			
12	Number of products, research and services commercialized			
13	Any other (maximum three)			
(i)				
(ii)				
(iii)				



Table-36

## Procurement Plan for Works and Goods\* for Sub-component 1.2.1

Name of the institution with location:

Package No.	Sl No	Activities	Description of Works/ Goods	Estimated Cost (Rs)	Method of Procurement	Design/ Investigation Completion/ Specification Finalization (Date)	Estimate Sanctioned (Date and Value)	Preparation of Bid Document (Date)	Receipt of Bank's No Objection to Bidding Document (Date)**	Bids		Contract Award (Date/ Value)	Date of Completion of Contract
										Invitation (Date)	Opening (Date)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)

\* Goods cover Equipment, Furniture and Books and Learning Resources

\*\* Applicable in case of 'Prior Review' by the World Bank.

Note: (i) For Column 6, state ICB/NCB/Direct Contracting/Shopping method as appropriate.

(ii) Procurement Plan for Goods Not Applicable for private unaided institutions

**Table-37**  
**Procurement Plan for Consultant Services for Sub-component 1.2.1**

Name of the institution with location:

Sl. No.	Activities	Description of Services	Estimated Cost (Rs)	Methods of Selection @	TOR Finalization (Date)	Advertisement (Date)	♦ RFP Final Draft to be Forwarded to the Bank (Date)**	Objection from the Bank for RFP Issued (Date)	RFP Issued (Date)	Proposals Received (Date)	Evaluation (Date)	No Objection by the Bank (Date)**	Contract Value and Date of Award	Contract Completion (Date)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)

@ State whether (i) Single firm or individual; or (ii) Competitive procedure. If Competitive, then state whether Quality & Cost Based Selection (QCBS) or Quality Based Selection (QBS) procedure.

♦ RFP (Request for Proposal): Same as 'Bid Document' #Technical and Financial

\*\* Applicable in case of 'Prior Review' by the World Bank