

**Directorate of Technical Education
MADHYA PRADESH
IVth Floor, Satpura Bhawan, Bhopal-462004**

Call for proposals from Engineering Institutions of Madhya Pradesh for participation in Technical Education Quality Improvement Programme (TEQIP), Phase-II under following sub-Components:-

Sub-Component 1.1: 'Strengthening Institutions to improve learning outcomes and employability of graduates'

(i) Sub-Component 1.2: 'Scaling-up Post Graduate education and demand-driven R&D&I'

The Ministry of Human Resource Development has launched a Project, "Technical Education Quality Improvement Programme, Phase-II (TEQIP-II)" with the objective of improving the quality of technical education in the country and further enhancing the existing capacities of the institutions. Interested Engineering Institutions can refer NPIU website www.npiu.nic.in for further related details.

- (i) Directorate of Technical Education, Madhya Pradesh on behalf of the Department of Technical Education & Training, Govt. of Madhya Pradesh invites Eligibility Proposals from Engineering Institutions of Madhya Pradesh for participation in TEQIP-II under **Sub-Component 1.1: 'Strengthening Institutions to improve learning outcomes and employability of graduates'**.

The **eligible institutions** are required to submit their Eligibility Proposals completely filled in all respects in triplicate along with a soft copy in **PDF** format to the **State Project Facilitation Unit (Directorate of Technical Education), Madhya Pradesh** latest by **23rd July 2010**. Eligible engineering institutions that **have not participated in TEQIP-I** as per the eligibility criteria described in Project Implementation Plan (PIP), can participate in the competition for selection under this Sub-Component.

- (ii) Directorate of Technical Education, Madhya Pradesh on behalf of the Department of Technical Education & Training, Govt. of Madhya Pradesh invites Institutional Development Proposals from Engineering Institutions of Madhya Pradesh for participation in TEQIP-II under **Sub-Component 1.2: 'Scaling-up Post Graduate education and demand-driven R&D&I'**.

The **eligible institutions** are required to submit their Institutional Development Proposals completely filled in all respects in triplicate along with a soft copy in **PDF** format to the **State Project Facilitation Unit (Directorate of Technical Education), Madhya Pradesh** latest by **16th August 2010**. Eligible engineering institutions that **have participated in TEQIP-I** as per the eligibility criteria described in Project Implementation Plan (PIP), can participate in the competition for selection under this Sub-Component.

Project Implementation Plan (PIP), Eligibility Criteria and Application Formats for **Sub-Components 1.1 & 1.2** are available on the NPIU website www.npiu.nic.in. Institutions are advised to read thoroughly all the relevant documents before applying. Institutions are requested to refer website of Directorate of Technical Education, Madhya Pradesh: www.mptechedu.org for further related instructions.

Incomplete Applications or those received after the last date are liable to be rejected.

For further details contact:
**Head & TEQIP Co-Ordinator
STATE PROJECT FACILITATION UNIT
(Directorate of Technical Education)
Madhya Pradesh**

Tegore Hostel No. 2, Shyamla Hills, Bhopal - 462002
Fax: 0755-2660552, Ph: 0755-2660540, 2660525
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TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME

(TEQIP)

PHASE-II

FORMAT FOR

INSTITUTIONAL ELIGIBILITY PROPOSAL

For

**Sub-component 1.1: Strengthening Institutions to improve learning
outcomes and employability of graduates**

1. INSTITUTIONAL BASIC INFORMATION

1.1 Institutional Identity

- Name of the Institution: _____
- Is the institution AICTE approved? : Yes/No
- Furnish AICTE approval No :
- Type of Institution : Govt. funded/ Govt. aided/ private unaided/autonomous / other
- Status of Institution : Autonomous Institute as declared by University / Non Autonomous / Deemed University / Constituent College
- Name of Head of the institution : _____

1.2 Academic Information:

- **Engineering UG and PG Programmes offered in Academic year 2009 - 10**

S. No	Title of Programme	Level (UG, PG, PhD)	Duration (Years)	Year of starting	AICTE Sanctioned Annual intake	Total Student Strength

- **Accreditation Status of UG Programmes:**

Title of UG Programmes being offered	Whether eligible for accreditation or not	Whether accredited as on 31 st Dec. 2009	Whether "Applied for" as on 31 st Dec 2009

- **Accreditation Status of PG Programmes:**

Title of UG Programmes being offered	Whether eligible for accreditation or not	Whether accredited as on 31 st Dec. 2009	Whether "Applied for" as on 31 st Dec 2009

1.3 Faculty Status (Regular/On - Contract Faculty as on December 31, 2009)

Faculty Rank	No. of Sanctioned Regular Post	Present Status : Number in Position by Highest Qualification												Total Number of regular faculty in Position	Total Number of Vacancies	Total Number of contract faculty in Position
		Doctoral Degree				Masters Degree				Bachelor Degree						
		Engg. Disciplines		Other Disciplines		Engg. Disciplines		Other Disciplines		Engg. Disciplines		Other Disciplines				
		R	C	R	C	R	C	R	C	R	C	R	C			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15= (3+5+7+9 +11+13)	16= (2-15)	17= (4+6+8+10 +12+14)
Prof																
Asso Prof																
Asst Prof																
Lec																
Total																

Prof = Professor, Asso Prof = Associate Professor, Asst Prof = Assistant Professor, Lec=Lecturer, R=Regular, C=Contract

2. ELIGIBILITY PROPOSAL

The eligibility proposals will be evaluated in meeting the "eligibility criteria" and capacity for implementation of key reforms.

2.1 Eligibility Criteria

Institutions to be eligible under the sub-component 1.1 should fulfill the following benchmarks:

Table - 1

S. No.	Attainment Parameters	Benchmark values	Institution's response (Yes/No)
1.	Does the institution agree to implement all academic and Non-academic reforms given below : <ul style="list-style-type: none"> · Implementation of Curricular Reforms · Exercise of autonomies · Establishment of Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund · Generation, retention and utilization of revenue generated through variety of activities · Filling up all existing teaching and staff vacancies · Delegation of decision making powers to senior functionaries with accountability · Improve Student Performance Evaluation · Implement performance appraisal of faculty by students · Provide faculty incentive for continuing education (CE), consultancy and R&D · Obtaining accreditation 	Yes	
2.	Age of the Institution from the start of its first academic session (in years) <ul style="list-style-type: none"> a) Regular States b) New States lagging in Technical Education 	6 4	
3.	Total number of UG & PG programmes currently Conducted	4	
4.	Faculty positions filled on regular full time basis as percentage of the total faculty positions sanctioned in accordance with the AICTE prescribed student to faculty ratio	50%	
5.	Presence of Board of Governors (as per recommended structure given in Section V) with an eminent academican or industrialist as the Chairperson	Yes	

2.2 Provide summary of SWOT analysis [Maximum 2 pages]

2.3 State the general objectives of your proposal and elaborate the specific objectives and expected results of the proposal in terms of Institutional strengthening and improvements in employability and learning outcomes of graduates. These objective and results should be linked to the SWOT analysis [Maximum 2 pages]

2.4 Provide the Action Plan to achieve the results and implement the proposal. [Maximum 2 pages]

2.5 Describe the capacity and steps for Implementation of key reforms: [Maximum 2 pages in

total]

- a. How will the institution obtain autonomous status in two years and what are the main challenges?
- b. How will the institution obtain accreditation of its programmes and what are the main challenges?
- c. How will the Institution be able to plan utilization of Block Grant effectively and efficiently?
- d. How will the institution be able to increase its non-tuition revenue?

2.6 Provide information related to special academic achievements of the institution that will add to the qualification of institution to join the project. [Maximum ½ page]
(Enclose supporting document: AICTE Mandatory Disclosure for 2009)

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

**FORMAT FOR
INSTITUTIONAL DEVELOPMENT PROPOSAL
for
Sub - Component 1.2 : Scaling - up Post Graduate education and
demand - driven R&D&I**

1. INSTITUTIONAL BASIC INFORMATION

1.1 Institutional Identity

- Name of the Institution: _____
- Is the institution AICTE approved ? : Yes/No
- Furnish AICTE approval no. :
- Type of Institution : Govt. funded/ Govt. aided/Private
unaided /Autonomous / other
- Status of Institution : Autonomous Institute as declared by University /
Non-Autonomous / Deemed University / Constituent College
- Names of Head of Institution and Project Nodal Officers

Head & Nodal Officer	Name	Phone Number	Mobile Number	Fax Number	E - mail Address
Head of the Institution					
Project Nodal Officers for:					
Academic Activities					
Civil Works including Environment Management					
Procurement					

Financial Aspects					
Equity Assurance Plan					

1.2 Academic Information

· Engineering Programmes offered in Academic year 2009 - 10

S. No	Title of Programme	Level (UG,PG, PhD)	Duration (Years)	Year of starting	AICTE Sanctioned Annual Intake	Total Student Strength

· Accreditation Status of UG Programmes:

Title of UG Programmes being offered	Whether eligible for accreditation or not	Whether accredited as on 31 st Dec. 2009	Whether "Applied for" as on 31 st Dec 2009

· Accreditation Status of PG Programmes:

Title of PG Programmes being offered	Whether eligible for accreditation or not	Whether accredited as on 31 st Dec. 2009	Whether "Applied for" as on 31 st Dec 2009

1.3 Faculty Status (Regular/On - Contract Faculty as on December 31, 2009)

Faculty Rank	No. of Sanctioned Regular Post	Present Status : Number in Position by Highest Qualification												Total Number of regular faculty in Position	Total Vacancies	Total Number of contract faculty in Position
		Doctoral Degree				Masters Degree				Bachelor Degree						
		Engg. Disciplines		Other Disciplines		Engg. Disciplines		Other Disciplines		Engg. Disciplines		Other Disciplines				
		R	C	R	C	R	C	R	C	R	C	R	C			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15= (3+5+7+9+11+13)	16= (2-15)	17= (4+6+8+10+12+14)
Prof																
Asso Prof																
Asst Prof																
Lec																
Total																

Prof = Professor, Asso Prof = Associate Professor, Asst Prof = Assistant Professor, Lec=Lecturer, R=Regular, C=Contract

1.4 Baseline Data

S. No	Parameters
1	Total strength of students in all programmes and all years of study in the year 2009-10
2	Total women students in all programmes and all years of study in the year 2009-10
3	Total SC students in all programmes and all years of study in the year 2009-10
4	Total ST students in all programmes and all years of study in the year 2009-10
5	Total OBC students in all programmes and all years of study in the year 2009-10
6	Number of fully functional P-4 and above level computers available for students in the year 2009-10

7	Total number of syllabus Text books and Reference books available in library for UG & PG students in the year 2009-10	
8	% of UG students placed through campus interviews in the year 2008-09	
9	% of PG students placed through campus interviews in the year 2008-09	
10	% of High quality undergraduates (>75% marks) in the year 2008-09	
11	% of High quality post graduates (>75% marks) in the year 2008-09	
12	Number of research publications in Indian refereed Journals in the year 2008-09	
13	Number of research publications in International refereed Journals in the year 2008-09	
14	Number of Patents obtained in the year 2008-09	
15	Number of Patents filed in the year 2008-09	
16	Number of sponsored research projects completed in the year 2008-09	
17	The transition rate of students in percentage from 1st year to 2nd year in the year 2008-09 for : (i) all students (ii) SC (iii) ST (iv) OBC	
18	IRG from students fee and other charges in the year 2008-09 (Rs. in lacs)	
19	IRG from commercialization of R & D products, consultancy & other sources in the year 2008-09 (Rs. in lacs)	
20	Total IRG in the year 2008-09 (Rs. in lacs)	
21	Total recurring expenditure in the year 2008-09 (Rs. in lacs)	
22	Number of Joint publications with National authors in the year 2008-09	
23	Number of Joint publications with International authors in the year 2008-09	
24	Number of R & D products commercialized in the year 2008-09	
25	Number of Joint M.Tech programmes with institutions undertaken in the year 2008-09	
26	Number of joint M.Tech programmes with Industry undertaken in the year 2008-09	
27	Number of joint Ph. D with institutions undertaken in the year 2008-09	
28	Number of Joint Ph. D. with Industry undertaken in the year 2008-09	
29	Number of Joint consultancies undertaken with Institutions in the year 2008-09	
30	Number of Joint consultancies undertaken with Industry in the year 2008-09	

1.5 Institutions to be eligible for participation in the project under the sub - component 1.2 must fulfill the following benchmarks:

S. No.	Attainment Parameters	Benchmark values	Institution's response (Yes/No)
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1.	Does the institution agree to implement all academic and Non-academic reforms given below : <ul style="list-style-type: none"> · Implementation of Curricular Reforms · Exercise of autonomies · Establishment of Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund · Generation, retention and utilization of revenue generated through variety of activities · Institutions to Fill- up all existing teaching and staff vacancies · Delegation of decision making powers to senior functionaries with accountability · Improve Student Performance Evaluation · Implement performance appraisal of faculty by students · Provide faculty incentive for continuing education (CE), consultancy and R&D · Obtaining accreditation 	Yes	
2.	Availability of academic autonomy as recognized by UGC for both UG and PG programmes	Yes	
3.	Presence of Board of Governors with an eminent academician or industrialist as the Chairperson	Yes	
4.	Percentage of eligible UG programmes accredited or applied for	60%	
5.	Percentage of eligible PG programmes accredited or applied for	40%	
6.	Cumulative number of Ph.Ds produced in the last three academic years (2006-07, 2007-08, 2008-09) or Cumulative number of MTech. produced in the last three academic years (2006-07, 2007-08, 2008-09)	5 50	
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	65%	
8.	Percentage of regular faculty with PhD in engineering* as percentage of total faculty	15%	

*PhD in engineering and science for Special Category States

2. INSTITUTIONAL DEVELOPMENT PROPOSAL (IDP)

- 2.1 Give the executive summary of the IDP (maximum ½ page)
- 2.2
 - Provide the details of SWOT analysis carried out.
 - Based on SWOT analysis, provide the strategic plan developed for Institutional development.
 - Attach the summary of SWOT analysis and show how the results of SWOT analysis are linked to the key activities proposed in the proposal.
- 2.3 State the specific objectives and expected results of your proposal in terms of, "Scaling-up post graduate education and demand-driven R&D&I". These objective and results should be linked to the SWOT analysis.
- 2.4 Provide an Acton Plan for scaling-up enrollment into Masters and Doctoral Programmes

- (include measures to attract qualified students and maintain high quality standards)
- 2.5 Provide an Action Plan for improving collaboration with industry.
 - 2.6 Provide an Action Plan for :
 - o quantitatively increasing and qualitatively improving research by their faculty individually, jointly and collaboratively,
 - o developing research interest among undergraduate students, and
 - o collaborating with Indian and foreign institutions in academic and research area through MoUs
 - 2.7 Provide Faculty Development Plan from the first 18 months to achieve improved competence based on Training Needs Analysis (TNA) in the following areas. Attach the summary of Training Needs Analysis carried out.
 - o Basic and advanced pedagogy training
 - o Subject / domain knowledge enhancement
 - o Attendance in activities such as workshops, seminars, etc.
 - o Improvement in faculty qualifications.
 - o Improving research capabilities
 - 2.8 Provide an Action Plan for training technical and other staff in functional areas.
 - 2.9 Describe the relevance and coherence of Institutional Development Proposal with State's/National (in case of CFIs) Industrial / Economic Development Plan.
 - 2.10 Describe briefly the participation of departments/faculty in the proposal preparation and implementation.
 - 2.11 Describe the Institutional Project implementation arrangements.
 - 2.12 Provide an Institutional budget in Table No.1

Table - 1 : INSTITUTIONAL BUDGET

(Rs. In Crore)

S. No	Activities	Project Life Allocation	Project Financial year			
			2010 - 11	2011-12	2012 - 13	2013 - 14
1	Faculty and Staff development					
2	Institutional management capacity enhancement					
3	Academic support for weak students					
4	Modernization and strengthening of PG laboratories					
5	Providing Assistanceship for Masters and Doctoral students					
6	Establishing Laboratory for new PG Programmes					
7	Enhancement of Research and Development activities					
8	Modernization and strengthening of Libraries and / or access to knowledge source					

9	Enhanced interaction with industry					
10	Implementation of Institutional reforms					
11	Refurbishment of infrastructure					
12	Incremental Operating Cost					

2.13 Provide categorywise expenditure details in Table 2.

Table - 2 : CATEGORYWISE EXPENDITURE DETAILS

(Rs. In Crore)

S. No	Components	Project Life Allocation	Project Financial year			
			2010 - 11	2011-12	2012 - 13	2013 - 14
1	Equipment					
2	Furniture					
3	Books & LRs & Softwares					
4	Civil Works					
5	Assistanceship					
6	Training / workshops to be conducted					
7	Faculty Development					
8	Institutional management capacity enhancement					
9	Consultancies secured					
10	Incremental Operating Cost					
	TOTAL					

Note : Total cost per year in Table-1 & Table-2 should match with each other.

2.14 (a) Provide the targets against the deliverables given in Table 3.

Table - 3 : INSTITUTIONAL PROJECT TARGETS

S. No	Deliverables	Baseline	Targets to be achieved	
			At the end of 2 years	By Project closing
1	Number of students registered for (a) Masters in Engineering Programme (b) Doctoral Programme in Engineering			
2	Revenue from externally funded R&D projects and consultancies in total revenue (Rs. in lacs)			
3	Number of (a) research publications in refereed • National journals • International journals (b) citations (c) patents obtained / filed (d) books (e) No. of R&D projects commercialized			

4	Number of co-authored publication in refereed journals (a) National (b) International			
5	Student credentials (a) campus placement rate of · UG students · PG students (b) average salary of placement package for (Rs. in lacs) · UG students · PG students			
6	Number of collaborative programmes with industry			
7	Accreditation Status	75% of eligible UG programmes and 60% of eligible PG programmes	100% accreditation for UG & PG programmes	
8	Vacancy position for faculty and staff	Vacancy reduced to 5% or less	Zero vacancy	
9	Number of regular faculty with PhD in engineering disciplines			
10	Any other (maximum three)			
(i)				
(ii)				
(iii)				

(b) Describe the plan in detail for achievement of the above targets enumerated in Table-3.

- 2.15 Indicate the action plan to ensure that the Project activities would be sustained after the end of the Project.
- 2.16 Provide procurement plan for the first 18 months for Goods / Civil Works in Table-4 and Consultancy Services including Pedagogical Training in Table-5 with budget and timeframe.

Table - 4 : 18 MONTHS PROCUREMENT PLAN FOR WORKS / GOODS* FOR PROJECT

Package No.	SL No.	Description of Works/Goods	Estimated Cost (Rs)	Method of Procurement	Design/ Investigation completed/ Specification finalization (Date)	Estimate Sanctioned (Date and Value)	Preparation of Bid Document (Date)	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
1												
2												
3												

* Goods covers Equipment, Furniture and Books & Learning Resources

** Applicable in case of 'Prior Review' by Bank.

Note: For Column 5, state ICB/NCB/Direct Contracting/Shopping as appropriate

Table - 5 : 18 MONTHS PROCUREMENT PLAN FOR CONSULTANCY SERVICES FOR PROJECT

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

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

** Applicable in case of 'Prior Review' by Bank

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

2.17 Provide any other information related to special academic achievements as given in eligibility proposal of the Institution.