

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME
(TEQIP)**

PHASE-II

**FORMAT FOR
INSTITUTIONAL DEVELOPMENT PROPOSAL**

for

**Sub-Component 1.1: Strengthening Institutions to improve Learning
Outcomes and employability of Graduates**

(To be submitted after obtaining the clearance for the Eligibility Proposal)

1. INSTITUTIONAL BASIC INFORMATION

(Note: Please insert the name of applicant institution and the Sub-component number in the footer on each page of the proposal.)

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 Institution
- Name of Head of Institution and Project Nodal Officers

| Head and Nodal Officer | Name | Phone Number | Mobile Number | Fax Number | E-mail Address |
|---|------|--------------|---------------|------------|----------------|
| Head of the Institution (Full time appointee) | | | | | |
| TEQIP Coordinator | | | | | |
| Project Nodal Officers for: | | | | | |
| Academic Activities | | | | | |
| Civil Works including Environment Management | | | | | |
| Procurement | | | | | |
| Financial aspects | | | | | |
| Equity Assurance Plan Implementation | | | | | |

1.2 Academic Information:

- **Engineering programmes offered in Academic year 2009-10**

| S. No | Title of programmes | 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 31st March 2010? | Whether "Applied for" as on 31st March 2010? |
|--------------------------------------|--|---|--|
| | | | |

- **Accreditation Status of PG programmes:**

| Title of PG programmes being offered | Whether eligible for accreditation or not? | Whether accredited as on 31st March 2010? | Whether "Applied for" as on 31st March 2010? |
|--------------------------------------|--|---|--|
| | | | |

1.3 Faculty Status (Regular/On-Contract Faculty as on March 31st, 2010)

| Faculty Rank | No. of Sanctioned Regular Posts | 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 | | | | | | |
| | | Engineering Disciplines | | Other Disciplines | | Engineering Disciplines | | Other Disciplines | | Engineering 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 (all data given for the following parameters must be restricted to engineering disciplines/fields only)

| 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 text books and reference books available in library for UG and PG students in the year 2009-10 |
| 8 | % of UG students placed through campus interviews in the year 2009-10 |
| 9 | % of PG students placed through campus interviews in the year 2009-10 |
| 10 | % of high quality undergraduates (>75% marks) passed out in the year 2009-10 |
| 11 | % of high quality postgraduates (>75% marks) passed out in the year 2009-10 |
| 12 | Number of research publications in Indian refereed journals in the year 2009-10 |
| 13 | Number of research publications in International refereed journals in the year 2009-10 |
| 14 | Number of patents obtained in the year 2009-10 |
| 15 | Number of patents filed in the year 2009-10 |
| 16 | Number of sponsored research projects completed in the year 2009-10 |
| 17 | The transition rate of students in percentage from 1 st year to 2 nd year in the year 2009-10 for : (i) all students (ii) SC (iii) ST (iv) OBC |
| 18 | IRG from students' fee and other charges in the year 2009-10 (Rs. In lakh) |
| 19 | IRG from externally funded R&D projects, consultancies in the year 2009-10 (Rs. in lakh) |
| 20 | Total IRG in the year 2009-10 (Rs. in lakh) |
| 21 | Total annual recurring expenditure of the applicant entity in the year 2009-10 (Rs. in lakh) |

2. INSTITUTIONAL DEVELOPMENT PROPOSAL (IDP)

- 2.1 Give the Executive Summary of the IDP.
- 2.2
 - Provide the details of SWOT analysis (see Annex-V to PIP) carried out (in terms of methodology used, analysis and information and data as collected and inferences derived with respect to strengths, weaknesses, opportunities and threats).
 - Based on SWOT analysis, provide the “strategic plan” developed for institutional development.
 - How the key activities proposed in the Institutional Development Proposal are linked with the results of SWOT Analysis.
- 2.3 State the specific objectives and expected results of your 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.
- 2.4 Provide an action plan for : (max 1 page each)
 - a) Improving employability of graduates
 - b) Increased learning outcomes of the students
 - c) Obtaining autonomous institution status within 2 years
 - d) Achieving the targets of 60% of the eligible UG and PG programmes accredited within two years of joining the Project and 100% accreditation obtained and applied for by the end of the Project of the eligible UG and PG programmes
 - e) Implementation of academic and non academic reforms (details given in Annex-I to PIP)
 - f) Improving interaction with industry
 - g) Enhancement of research and consultancy activities
- 2.5 Provide an action plan for organising a Finishing School and for improving the academic performance of SC/ST/OBC/academically weak students through innovative methods, such as remedial and skill development classes for increasing the transition rate and pass rate with the objective of improving their employability.
- 2.6 Provide an action plan for strengthening of PG programmes and starting of new PG programmes.
- 2.7 Attach a summary of Training Needs Analysis carried out. Also, provide Faculty Development Plan for the first 18 months for improving their teaching, subject area and research competence based on Training Needs Analysis (TNA) (see Annex-VI to PIP) in the following areas.
 - Basic and advanced pedagogy
 - Subject / domain knowledge enhancement
 - Attendance in activities such as workshops, seminars
 - Improvement in faculty qualifications
 - 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 IDP preparation.
- 2.11 Describe the Institutional project implementation arrangements with participation of faculty and staff.
- 2.12 Provide an Institutional project budget in Table-29.

Table-29

Institutional Project Budget for Sub-Component 1.1

[Note: For details of permissible and non-permissible expenditures, please see Table-18 (for Government funded and aided institutions) and Table-19 (for private unaided institutions)]

(Rs. in Crore)

| S. No | Activities | Project Life Allocation | Financial year | | | | |
|--------------|--|-------------------------|----------------|---------|---------|---------|---------|
| | | | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| 1 | Infrastructure improvements for teaching, training and learning through: | | | | | | |
| | (i) Modernization and strengthening of laboratories | | | | | | |
| | (ii) Establishment of new laboratories for existing UG and PG programmes and for new PG programmes | | | | | | |
| | (iii) Modernization of classrooms* | | | | | | |
| | (iv) Updation of Learning Resources | | | | | | |
| | (v) Procurement of furniture | | | | | | |
| | (vi) Establishment/Upgradation of Central and Departmental Computer Centers* | | | | | | |
| | (vii) Modernization/improvements of supporting departments* | | | | | | |
| | (viii) Modernization and strengthening of libraries and increasing access to knowledge resources | | | | | | |
| | (ix) Refurbishment (Minor Civil Works)* | | | | | | |
| 2 | Providing Teaching and Research Assistantships to increase enrolment in existing and new PG programmes in Engineering disciplines | | | | | | |
| 3 | Enhancement of R&D and institutional consultancy activities* | | | | | | |
| 4 | Faculty and Staff Development (including faculty qualification upgradation, pedagogical training, and organising/participation of faculty in workshops, seminars and conferences) for improved competence based on TNA | | | | | | |
| 5 | Enhanced Interaction with Industry | | | | | | |
| 6 | Institutional management capacity enhancement | | | | | | |
| 7 | Implementation of institutional reforms | | | | | | |
| 8 | Academic support for weak students under the aegis of Finishing School | | | | | | |
| 9 | Technical assistance for procurement and academic activities | | | | | | |
| 10 | Incremental Operating Cost | | | | | | |
| TOTAL | | | | | | | |

* Not applicable for private unaided institutions.

2.13 Provide the targets against the deliverables listed in Table-30.

Table-30
Project Targets⁴ for Institutions under Sub-Component 1.1

| S. No | Deliverables | Base-line | Targets to be achieved | |
|-------|--|-----------|--|--|
| | | | At the end of 2 years of joining the Project | 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 lakh) | | | |
| 3 | Number of publications in refereed journals (a) National (b) International | | | |
| 4 | IRG as % of total annual recurring expenditure | | | |
| 5 | Number of co-authored publications in refereed journals (a) National (b) International | | | |
| 6 | Student credentials (a) campus placement rate of • UG students • PG students (b) average salary of placement package for (Rs. in lakh) • UG students • PG students | | | |
| 7 | Number of collaborative programmes with Industry | | | |
| 8 | Accreditation status (obtained and applied for) | | Minimum 60% of UG + PG | 100% of eligible UG + PG programmes |
| 9 | Vacancy position for faculty and staff | | Vacancy reduced to 10% or less | Zero |
| 10 | Percentage of regular faculty having a Masters Degree or a Doctorate Degree in Engineering disciplines | | Increased by 20% and 10% respectively over base line | Increased by 40% and 20% respectively over base line |
| 11 | Transit rate from 1 st to 2 nd year for the following: • All Students • SC and ST Students • OBC Students • Women Students | | | |
| 12 | Autonomy status | | Required to be obtained | |
| 13 | Enrolment of faculty with only Bachelor Degree for qualification upgradation | | At least 50% at the parent institution or 25% at other institution | |
| 14 | Any other academic deliverables (maximum 3) | | | |
| | (i) | | | |
| | (ii) | | | |
| | (iii) | | | |

Note : The accreditation targets for Undergraduate and Postgraduate programme are for **NBA accreditation of programmes.**

2.14 Give an action plan for ensuring that the project activities would be sustained after the end of the Project.

2.15 Provide a Procurement Plan for the first 18 months for Goods and Civil Works in Table-31 and Consultant Services in Table-32 with budget and timeframe.

⁴ These pertain to the entity participating in the Project which may either be the whole stand alone institution or the Faculty / Department / constituent institution of a University or Faculty/Department of a Technical Deemed University.

Table-31
18-month Procurement Plan for Works and Goods* for Sub-Component 1.1

Name of the institution with location: _____

| Package No. | SI 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 |
| 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |

* Goods cover Equipment, Furniture and Books and Learning Resources

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

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

Table-32

18-month Procurement Plan for Consultant Services for Sub-Component 1.1

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)** | No Objection from the Bank for RFP (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 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

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

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

@ 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.

2.16 Provide any other information related to special academic achievements as given in Eligibility proposal of the institution.