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India: Technical Engineering Educational Quality Improvement II (P102549)

SOUTH ASIA | India | Education Global Practice |
IBRD/IDA | Specific Investment Loan | FY 2010 | Seq No: 13 | ARCHIVED on 15-Sep-2015 | ISR20426 |

Implementing Agencies:

Key Dates

Key Project Dates

Board Approval date:18-Mar-2010
Effectiveness Date:06-Aug-2010
Planned Mid Term Review Date:13-Dec-2013
Actual Mid-Term Review Date:13-Dec-2013
Original Closing Date:31-Dec-2014
Revised Closing Date:31-Oct-2016

Project Development Objectives

Project Development Objective (from Project Appraisal Document)
The second phase of the Technical/Engineering Education Quality Improvement Project seeks to strengthen selected institutions to produce more employable and higher quality engineers and prepare more post-graduate students to reduce faculty shortage.

Has the Project Development Objective been changed since Board Approval of the Project Objective?
No

Components

Name
Improving Quality of Education in Selected Institutions:(Cost $311.40 M)
Improving System Management:(Cost $33.30 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Moderately Satisfactory	Satisfactory
Overall Risk Rating	Moderate	Moderate

Implementation Status and Key Decisions

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The progress against the Project Development Objective (PDO) is rated as Satisfactory as all PDO indicators are on track to be achieved, with one exception (related to proportion of participating institutions from lagging states). The percentage of institutions with academic autonomy is 64 against a target of 70 and the share of programs that are accredited or awaiting accreditation is 63 against a target of 55. The percentage of faculty with at least an MTech is 89 against a target of 88 and the number of master and PhD. students enrolled is 46,835 (academic year 2013-14) against a target of 41,000. Data for the new academic year will only be available after the admission period is over in September 2015. Likewise, progress against intermediate outcome indicators is satisfactory, with a number of indicators already surpassing their targets.

The mission recommends the following change in ratings: Implementation (MS to S) and Project Management (MS to HS). With regard to implementation, activities at the institutional level are proceeding well, with an increasing number of institutions meeting the bar for being a "well-performing" institute. While 64 institutions met the bar set in the 3rd JRM, 162 institutions have met 8 or 9 of the indicators set in the 4th JRM. System-level activities (IIMs, QEEE and Good Governance and MIS) are also proceeding satisfactorily. In a meeting with the Chairman, NBA, Dr Nassa, the JRM team was informed that, in general, TEQIP institutes receive a higher score on NBA's accreditation than other institutes. This is important both because NBA accreditation is difficult to achieve and because accreditation is voluntary. It indicates that TEQIP institutes have the will and the confidence to go through the accreditation process to signal their quality. Additionally, field visits as well as meetings held during the JRM indicate that TEQIP has built a strong brand name for itself. All these factors suggest implementation of the project is satisfactory. In terms of Project Management, MHRD and the NPIU have moved ahead by linking funding to performance at the institute-level by (i) weeding out poor-performing institutes from the project; and (ii) providing well-performing institutes additional resources. Both processes are difficult and required considerable effort and perseverance on the part of MHRD and NPIU. The World Bank team would like to congratulate MHRD and NPIU for taking difficult decisions in their endeavour to keep quality and accountability at the forefront of the project.
Fund flow delays, unfortunately, continue, with some states taking a long time to release funds to institutions. Of the total amount of Central, State and Institute share of Rs. 860 million (US$14m, at 60:1) pending to be released by the States, an amount equivalent to Rs. 584 million (68%) pertains to funds not released for more than 50 days. If additional funds can be given to well-performing institutions, this will make it much more likely that all the available resources are utilized. It is noteworthy that 56 institutions have already received their full allocation.

The fourth institutional performance assessment of all TEQIP institutes (186 in total, excluding the four institutes that have weeded out from the project) has been effectively carried out by MHRD/ NPIU. Institutions continue to take this exercise seriously and the impact is clearly seen in the increasing number of institutions meeting all the specified performance indicators. A total of 122 institutions have met all the latest set of indicators compared to only 64 institutions meeting all the previous set of indicators.

In the most recent performance assessment (as of July 14, 2015), almost all the first cycle institutions (150 of 154) are achieving 7-9 of the indicators, and institutions from the second cycle also continue to show improvement with the majority (27 of 34) meeting 7-9 indicators.
The following shows institutional performance:
122 institutions achieving all 9 indicators
40 institutions achieving 8 indicators
15 institutions achieving 7 indicators
9 institutions achieving < =6 indicators
During the 5th JRM (July-August, 2015) the team focused on project progress in the following areas: Governance, Affiliation System, Mentorship and Performance Auditing, Faculty Development, and the Four Funds. It also visited four states: West Bengal, Rajasthan, Uttar Pradesh and Telangana. The last three are low-income/special category states.

The next implementation support mission is expected to be conducted in December 2015.

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Risks

Systematic Operations Risk-rating Tool

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Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	Substantial	Substantial
Macroeconomic	--	Low	Low
Sector Strategies and Policies	--	Low	Low
Technical Design of Project or Program	--	Low	Low
Institutional Capacity for Implementation and Sustainability	--	Substantial	Substantial
Fiduciary	--	Substantial	Substantial
Environment and Social	--	Moderate	Moderate
Stakeholders	--	Low	Low
Other	--	--	--
Overall	--	Moderate	Moderate

Results

Project Development Objective Indicators

▸ Share of supported programs that are accredited or applied for (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	52.00	63.00	55.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

▸ Percentage of institutions with academic autonomy (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	62.00	65.00	70.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

▸ Percentage Faculty with at least an M. Tech (regular and contract) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	45.00	87.86	89.40	88.00

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Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

▸ Total number of Master and PhD students (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30000.00	44549.00	37800.00	41000.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

Comments
The total number of Master and PhD students enrolled in academic year 2013-14 is 46835. The data entry for 2014-15 is currently under progress (only 165 institutions have completed data entry for this indicator) and hence this number is expected to increase.

Overall Comments

Intermediate Results Indicators

▸ Number of publications in refereed journals (within the field of Engineering) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	7032.00	17946.00	7890.00	15000.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

Comments
The "Number of publications in refereed journals (within the field of Engineering)" for the year 2013-14 is 19526. The data entry for the year 2014-15 is currently under progress (only 145 institutions have completed data entry for this indicator). and the number is expected to increase.

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▸ Percentage of Faculty with or pursuing M. Tech and PhD (regular and contract) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	63.00	89.45	90.88	90.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

▸ Increase in the satisfaction index of student and faculty (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3.90	--	--	4.30
Date	30-Nov-2009	30-Nov-2014	30-Nov-2014	31-Oct-2016

Comments
Infova was hired by th project to design and execute the survey. The survey was administered in October 2014. However, Infova has not completed the report. recently, the Bank team was informed of a potential fraud/wrong-doing concern relating to Infova and this matter is currently under investigation. MHRD is also trying to see if they can get the data from Infova, since it seems that the survey well.

▸ Number of faculty members that have benefitted from the teaching effectiveness training (under sub-component 1.3) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1373.00	2000.00	2200.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

▸ Percentage of externally funded research and development projects and consultancies in total revenue (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	6.00	11.98	12.68	12.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

▸ Transition rate of students from disadvantaged backgrounds from the first year to second year of undergraduate study (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	45.00	59.99	61.33	60.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

Comments
The data is for 2013-14 as the data entry for 2014-15 data is currently under progress.

▸ Share of TEQIP Supported Institutions from states in lagging in technical education (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	14.00	25.00	24.00	20.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

Comments
Share of TEQIP Supported Engineering Institutions from lagging states as agreed by DEA and World Bank (i.e. Bihar, Chhattisgarh, Rajasthan, Jharkhand, Orissa, Uttar Pradesh, Madhya Pradesh) is 18%. This has gone down from last JRM as two institutions from Bihar have been weeded out under the project.

▸ Direct project beneficiaries (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	300000.00	414403.00	381926.00	405000.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

▲ Female beneficiaries (Percentage, Core Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	26.00	29.00	30.00	30.00

▶ Number of governance self reviews received (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	177.00	184.00	190.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

▶ Number of Governance Development plans received (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	136.00	174.00	80.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

▶ Fully functional MIS -Number of institutions reporting at least 70% of the indicators (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	156.00	173.00	160.00
Date	30-Nov-2009	30-Nov-2014	30-Jun-2015	31-Oct-2016

Overall Comments

Data on Financial Performance

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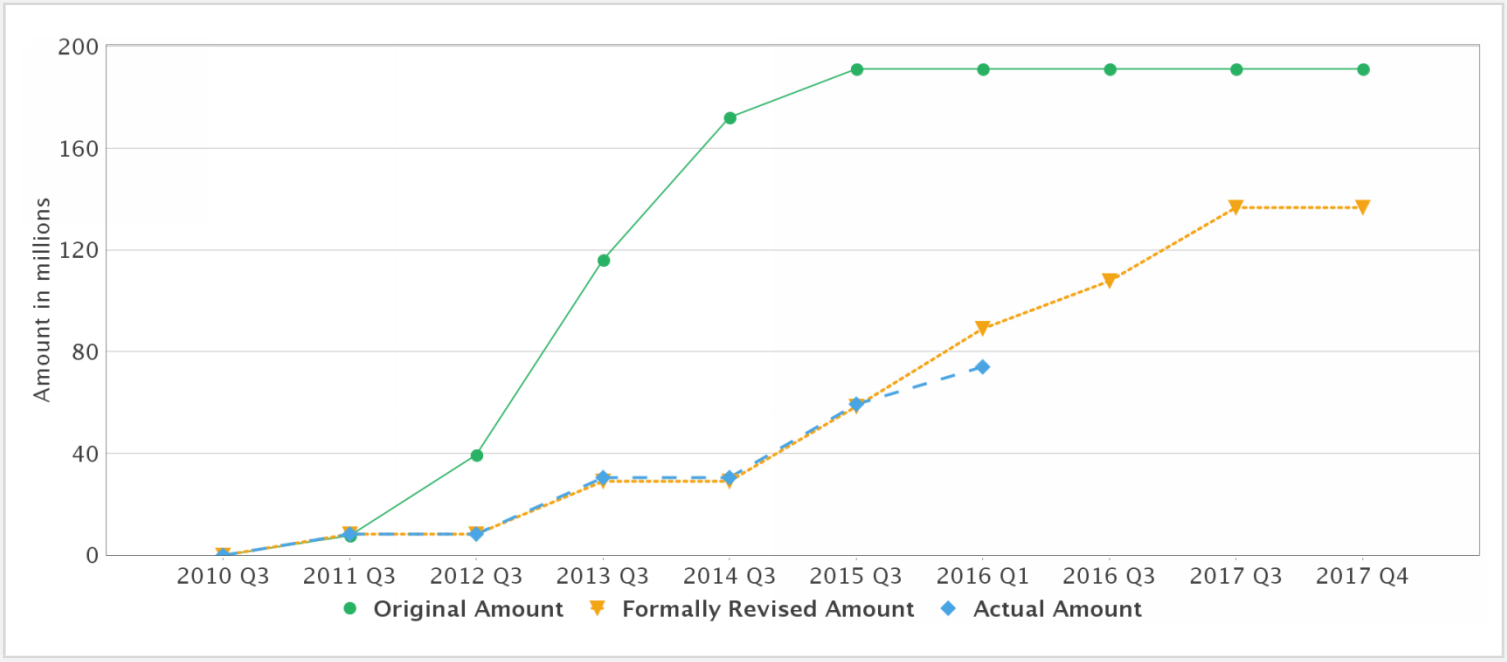
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P102549	IDA-46850	Effective	XDR	186.40	134.63	51.77	73.90	60.73	55%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P102549	IDA-46850	Effective	18-Mar-2010	14-Jul-2010	06-Aug-2010	31-Dec-2014	31-Oct-2016

Cumulative Disbursements



Restructuring History

Level 2 Approved on 06-Jan-2014 ,Level 2 Approved on 30-Sep-2014

Related Project(s)

There are no related projects.

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