



R F D
(Results-Framework Document)
for
Technical Education
(2012-2013)

Section 1: Vision, Mission, Objectives and Functions

Vision

To provide quality Technical Education relevant to industry and market Needs.

Mission

Building a high quality skilled manpower suitable for employment in 21st Century

Objective

- 1 To provide High quality technical education to create Skilled Technical manpower to meet the requirement of technological advancement and society
- 2 To develop and update need based curriculum for rapid changing technological advancement.
- 3 To promote Industry - academia partnership
- 4 Faculty Development
- 5 Implementation of Programmes like TEQIP for Regulating and maintaining standards in Technical Educational institutions

Functions

- 1 Identification of skill requirements of various sectors, benchmarking of skill sets as per the needs of user industry and imparting of skills so identified by providing adequate resources and qualified faculty.
- 2 Improving teaching learning processes to enhance knowledge & skills for better employability.
- 3 Regulating and formulating policies for Degree/Diploma level institution in terms of establishments of institutions and introduction of new courses
- 4 Interaction with industry for curriculum updation, training and re-training of faculty & students for enhancing placement.
- 5 Quality improvement to become dynamic, demand-driven, quality conscious, efficient and forward looking to rapid economic & technological developments occurring both at National & International level.
- 6 Capacity building and accreditation of technical institutions.
- 7 Undertaking community development and social welfare schemes.
- 8 Coordination with State / National agencies concerned.

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
[1] To provide High quality technical education to create Skilled Technical manpower to meet the requirement of technological advancement and society	40.00	[1.1] Admission in Technical Educational Institutions.	[1.1.1] Total Number of students admitted in Government institutions	Number	4.00	16690	15000	13400	11683	10014
			[1.1.2] Number of students admitted in Private Institutions	Number	2.00	56700	54300	45360	39690	34220
			[1.1.3] Number of Girls students admitted in Government institutions	Number	4.00	4172	3800	3337	2920	2503
			[1.1.4] Number of Girls students admitted in Private institutions	Number	2.00	9010	8580	7208	6307	5410
		[1.2] Evaluation of Learning outcome	[1.2.1] Pass percentage in Government institutions	%age	8.00	60	50	40	35	30
			[1.2.2] Pass percentage in private institutions	%age	5.00	50	30	25	20	18
		[1.3] Placements in technical institutions, Architecture and Management institutes	[1.3.1] Job Placement	%age	10.00	80	70	60	50	40
			[1.3.2] Admission to Institutes of Higher learning	Number	5.00	19950	19000	15960	13965	11970
[2] To develop and update need based curriculum for rapid changing	20.00	[2.1] identification of key areas and resource	[2.1.1] Number of resource person	Number	10.00	100	90	80	70	60

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
technological advancement.		persons.	identified for key areas							
		[2.2] Updation of curriculum	[2.2.1] Timely updation	Date	10.00	31/03/2013	25/03/2013	20/03/2013	15/03/2013	10/03/2013
[3] To promote Industry - academia partnership	10.00	[3.1] Seminars and conferences in collaboration with Industries and industry association.	[3.1.1] Number of seminars and conferences	Number	4.00	100	90	80	70	60
		[3.2] Job Fairs organized.	[3.2.1] Job fairs	Number	2.00	10	8	6	4	2
		[3.3] Number of companies for campus placement	[3.3.1] Number of visits of companies in institutions	Number	4.00	150	140	130	120	100
[4] Faculty Development	10.00	[4.1] Identification of faculty for training in Technical Institutions	[4.1.1] Number of faculty identified	Number	4.00	200	180	160	130	100
		[4.2] Induction Training and refresher courses for Technical Institutions.	[4.2.1] Number of persons Trained	Number	3.00	100	80	60	50	40
		[4.3] Upgradation of qualification in Technical Institutions under QIP.	[4.3.1] Number of faculty upgraded qualification	Number	3.00	100	80	60	50	40
[5] Implementation of Programmes like TEQIP for Regulating and maintaining standards in Technical Educational institutions	10.00	[5.1] Seminars and conferences in collaboration with industries	[5.1.1] Number of seminars and conferences held in institutions	Number	2.00	10	8	7	6	5
		[5.2] To conduct workshop for better leveraging of funds in a more innovative manner.	[5.2.1] Number of workshops conducted in institutions	Number	2.00	20	18	16	14	10

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
		[5.3] Submission of procurement plan by the institutions for modernization of physical Infrastructure	[5.3.1] Timely submission of procurement plan by the institutions for modernization of physical Infrastructure	Date	2.00	31/03/2013	15/02/2013	28/02/2013	15/03/2013	25/03/2013
		[5.4] Installation of machinery and equipments	[5.4.1] Timely installation of machinery and equipments	Date	2.00	10/03/2013	15/03/2013	20/03/2013	25/03/2013	31/03/2013
		[5.5] Third Party Evaluation	[5.5.1] Identification of Third Party	Date	2.00	10/03/2013	15/03/2013	20/03/2013	25/03/2013	31/03/2013
* Efficient Functioning of the RFD System	4.00	Timely submission of Draft for Approval	On-time submission	Date	2.0	25/07/2012	26/07/2012	27/07/2012	28/07/2012	29/07/2012
		Finalize a Strategic Plan	Finalize the Strategic Plan for next 5 years	Date	2.0	24/02/2013	25/02/2013	26/02/2013	27/02/2013	28/02/2013
* Improving Internal Efficiency / responsiveness / service delivery of Department	6.00	Develop RFDs for all Responsibility Centers (Subordinate Offices, Attached Offices, Autonomous Bodies,	Percentage of RCs covered	%	2.0	100	95	90	85	80
		Implementation of Sevottam	Create a compliant system to implement, monitor and review Citizen's / Client's Charter	Date	2.0	24/02/2013	25/02/2013	26/02/2013	27/02/2013	28/02/2013
			Create a Compliant system to redress and monitor public Grievances	Date	2.0	25/10/2012	26/10/2012	27/10/2012	28/10/2012	29/10/2012

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value	Actual Value	Target Value	Projected Value for	Projected Value for	
				FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	
[1] To provide High quality technical education to create Skilled Technical manpower to meet the requirement of technological advancement and society	[1.1] Admission in Technical Educational Institutions.	[1.1.1] Total Number of students admitted in Government institutions	Number	13754	14033	15000	15400	15800	
		[1.1.2] Number of students admitted in Private Institutions	Number	53984	54163	54300	54581	54759	
		[1.1.3] Number of Girls students admitted in Government institutions	Number	3714	3771	3800	3945	4027	
		[1.1.4] Number of Girls students admitted in Private institutions	Number	8381	8467	8580	8653	8732	
	[1.2] Evaluation of Learning outcome	[1.2.1] Pass percentage in Government institutions	%age	38	37	50	55	60	
		[1.2.2] Pass percentage in private institutions	%age	17	12	30	35	40	
	[1.3] Placements in technical institutions, Architecture and Management institutes	[1.3.1] Job Placement	%age	10.00	80	70	60	50	
		[1.3.2] Admission to Institutes of Higher learning	Number	18864	18821	19000	19279	19655	
	[2] To develop and update need based curriculum for rapid	[2.1] identification of key areas and resource	[2.1.1] Number of resource person identified for	Number	80	90	90	125	140

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value FY 10/11	Actual Value FY 11/12	Target Value FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
changing technological advancement.	persons.	key areas						
	[2.2] Updation of curriculum	[2.2.1] Timely updation	Date	--	--	25/03/2013	31/05/2013	30/06/2013
[3] To promote Industry - academia partnership	[3.1] Seminars and conferences in collaboration with Industries and industry association.	[3.1.1] Number of seminars and conferences	Number	70	80	90	110	120
	[3.2] Job Fairs organized.	[3.2.1] Job fairs	Number	6	7	8	10	12
	[3.3] Number of companies for campus placement	[3.3.1] Number of visits of companies in institutions	Number	130	135	140	160	170
[4] Faculty Development	[4.1] Identification of faculty for training in Technical Institutions	[4.1.1] Number of faculty identified	Number	150	170	180	210	220
	[4.2] Induction Training and refresher courses for Technical Institutions.	[4.2.1] Number of persons Trained	Number	80	90	80	110	120
	[4.3] Upgradation of qualification in Technical Institutions under QIP.	[4.3.1] Number of faculty upgraded qualification	Number	70	75	80	110	110
[5] Implementation of Programmes like TEQIP for Regulating and maintaining standards in Technical Educational institutions	[5.1] Seminars and conferences in collaboration with industries	[5.1.1] Number of seminars and conferences held in institutions	Number	8	9	8	12	14

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value	Actual Value	Target Value	Projected Value for	Projected Value for
				FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15
	[5.2] To conduct workshop for better leveraging of funds in a more innovative manner.	[5.2.1] Number of workshops conducted in institutions	Number	10	15	18	25	30
	[5.3] Submission of procurement plan by the institutions for modernization of physical Infrastructure	[5.3.1] Timely submission of procurement plan by the institutions for modernization of physical Infrastructure	Date	--	--	15/02/2013	31/10/2013	31/10/2014
	[5.4] Installation of machinery and equipments	[5.4.1] Timely installation of machinery and equipments	Date	--	--	15/03/2013	15/01/2014	15/01/2015
	[5.5] Third Party Evaluation	[5.5.1] Identification of Third Party	Date	--	--	15/03/2013	30/04/2014	31/03/2015
* Efficient Functioning of the RFD System	Timely submission of Draft for Approval	On-time submission	Date	--	--	26/07/2012	14/08/2013	--
	Finalize a Strategic Plan	Finalize the Strategic Plan for next 5 years	Date	--	--	25/02/2013	--	--
* Improving Internal Efficiency / responsiveness / service delivery of Department	Develop RFDs for all Responsibility Centers (Subordinate Offices, Attached Offices, Autonomous Bodies,	Percentage of RCs covered	%	--	--	95	110	115
	Implementation of Sevottam	Create a compliant system to implement, monitor and review Citizen's / Client's Charter	Date	--	--	25/02/2013	--	--

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value FY 10/11	Actual Value FY 11/12	Target Value FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
		Create a Compliant system to redress and monitor public Grievances	Date	--	--	26/10/2012	--	--

* Mandatory Objective(s)

Section 4: Acronym

Sl.No	Acronym	Description
1	AICTE	All India council of Technical Education
2	AIEEE	All India Engineering Entrance Examination
3	ASSOCHAM	Associated Chambers of Commerce and Industry in India
4	B. Arch	Bachelor of Architecture
5	B.E	Bachelor of Engineering
6	B. Pharma	Bachelor of Pharmacy

Section 4: Acronym

Sl.No	Acronym	Description
7	BSNL	Bharat Sanchar Nigam Limited
8	B.Tech	Bachelor of Technology
9	CII	Confederation of Indian Industries
10	DET	Diploma Entrance Test
11	FICCI	Federation of Indian Chambers of Commerce and Industries
12	GOI	Government of India

Section 4: Acronym

Sl.No	Acronym	Description
13	HPSC	Haryana Public Service Commission
14	HSIDC	Haryana State Industrial Development Corporation
15	HSSC	Haryana Staff Selection Commission
16	HVPL	Haryana Vidyut Par saran Nigam Limited
17	LEET	Lateral Entry Entrance Test
18	M. Arch	Master of Architecture

Section 4: Acronym

Sl.No	Acronym	Description
19	MAT	Management Aptitude Test
20	M.E	Master of Engineering
21	MHRD	Ministry of Human Resources and Development
22	M. Pharma	Master of Pharmacy
23	M.Tech	Master of Technology
24	NASSCOM	National Association of Software and Service Companies (India)

Section 4: Acronym

Sl.No	Acronym	Description
25	NATA	National Aptitude Test in Architecture
26	NGO	Non Government Organization
27	NITTTR	National Institute of Technical Teachers Training and Research
28	Phd	Doctor of philosophy
29	PWD	Public works Department
30	UTES	Railway Infrastructure Technical and Economic Services

Section 4: Acronym

Sl.No	Acronym	Description
31	TEQIP	Technical Education Quality Improvement Programme
32	WB	World Bank

**Section 4:
Description and Definition of Success Indicators
and Proposed Measurement Methodology**

Objectives	Success Indicator	Definition and Explanation of Success Indicators
<p>[1] To provide High quality technical education to create Skilled Technical manpower to meet the requirement of technological advancement and society</p>	<p>[1.1.1] Total Number of Students admitted in Government institutions</p>	<p>Admission to the Technical Institutions at Diploma and Degree level are made the basis of merit of LET/ AIEEE/ LEET/ NATA/ MAT score through central counseling held in the month of June & July every year.</p>
	<p>[1.1.2] Total Number of students admitted in Private institutions</p>	<p>Admissions to the Technical Institutions at Diploma and Degree level are made on the basis of merit of DET/AIEEE/LEET/ NATA/ MAT score through central counseling held in the month of June & July every year.</p>
	<p>[1.1.3] Number of Girls students admitted in Government institutions</p>	<p>Admissions of girls to the Technical Institutions at Diploma and Degree level are made on the basis of merit of DET/AIEEE/LEET/ NATA/ MAT score through central counseling held in the month of June & July every year.</p>

[1.1.4] Number of Girls students admitted in Private institutions

Admissions of girls to the Technical Institutions at Diploma and Degree level are made on the basis of merit of DET/AIEEEE/LEET/ NATA/ MAT score through central counseling held in the month of June & July every year.

[1.2.1] Pass percentage in Government institutions

The Results of the students are declared twice in a year. After conducting the exam in the month of May/ June and Nov / Dec each year. Then the pass percentage of the result will be calculated at institute level and then at state level

[1.2.2] Pass percentage in private institutions

The results of the students are declared twice in a year. After conducting the exam in the month of May / June and Nov / Dec each year. Then the pass percentage of the result will be calculated at institute level and then at state level.

[1.3.1] Job Placement

The placement of pass out students is made through State/zonal level Job Fairs. In addition to this the campus interviews are also conducted in the institutions where various reputed companies provide placement to the Students.

[1.3.2] Admission to Institutes of Higher learning

There is increasing trend amongst students for higher studies instead of going for placement, particularly in case of Diploma students. Admissions of such students to the Technical Institutions at Diploma and Degree level are made on the basis of merit of LEET/qualifying exam through central counseling held in the month of June & July every year.

2. To develop and update need based curriculum for rapid changing technological advancement.

[2.1.1] Number of resource person identified for key areas

Experienced faculty from various reputed Technical Institutions and Industries are involved in the revision and Updation of Curriculum, Which is carried out at a regular interval keeping in view of latest technological trends.

[2.2.1] Timely up-dation of Curriculum

Committees of experts/ experienced faculty from different disciplines shall meet in Directorate to timely update the curriculum so that it can be implemented for new session.

[3] To promote Industry - academia partnership.

[3.1.1] Number of seminars/Conferences conducted

A number of seminars and Conferences shall be organized in various Technical Institutions for updating the faculty and students with latest technological advances.

[3.2.1] Job fairs

To provide the job to students, the job fairs are organized in coordination with different industries/ Industrial Association.

[3.3.1] Number of visits of companies of campus placement in institutions Various reputed companies make visit the institutions for selecting the students for different jobs through campus interviews.

4 Faculty development

[4.1.1] Number of faculty identified Training will be imparted to faculty to make them conversant with the latest technologies.

[4.2.1] Number of persons Trained After identification, the faculty will be sent for training as per their respective discipline for various training courses.

[4.3.1] Number of Faculty upgraded qualification To improve the qualification, faculty is allowed to go for higher studies, i.e. diploma holders may opt for B.E./B.Tech. programmes and those having B.E./ B.Tech./ B. Pharma./ B. Arch., etc. may go in for M.E./ M.Tech./ M. Pharma./ M. Arch, etc. Those with post graduation degrees may go in for Ph. D.

[5] Implementation of programmes like TEQIP for Regulating and maintaining standards in Technical Educational institutions

[5.1.1] Number of seminars and conferences held in institutions Seminar and Conferences are held to impart knowledge under TEQIP and other similar programmers for maintaining and improving standards in Technical institutions.

[5.2.1] Number of workshops conducted in institutions Workshops are held to impart knowledge under TEQIP and other similar programmers for maintaining and improving standards in Technical institutions

[5.3.1] Timely submission of procurement plan by the institutions for modernization of physical Infrastructure	Procurement plan is prepared and submitted in time for making necessary physical infrastructure available in the institutions.
[5.4.1] Timely installation of machinery and equipments	After submission of procurement plan, the necessary machinery and equipments are procured and installed in the institutes.
[5.5.1] Identification of Third Party	Evaluation of standards, procedures, processes in order to ensure quality in technical institutions which shall be carried out by an independent agency having knowledge and experience in technical education system. Such party will be identified for evaluation of Technical Institutions.

Section 5:
Specific Performance Requirements from other Departments

Department	Success Indicator	What do you need?	Why do you need it?	How much you need?	What happens if you do not get it?
PWD (B&R), Other construction agencies such as RITES, NBCC, etc., Public Health Engineering Department, Power Distribution Companies, HUDA, Local Urban bodies, Gram Panchayats and BSNL.	Construction of buildings of Technical Education Institutes including hostels, staff residences, etc.	Executing Agencies to construct physical infrastructure in time.	The department doesn't have its own construction wing.	Where ever required ?.	Expansion of the existing institutions and setting up of new Technical Institutes is not possible without adequate physical infrastructure.
Revenue, National Highway Authority of India (NHAI), Forest and Environment Departments.	Establishment of Technical Institutions.	Availability of suitable land and necessary clearances.	Due to non-availability of suitable site and necessary clearances, construction cannot be started which leads to delay.	Where ever required ?.	The new institutions cannot be setup without availability of suitable land and necessary clearances.
All India Council for Technical Education (AICTE)	Approval of Technical Institutions/ Programmes.	Approval of all Technical Education Institutions and Technical courses from AICTE is mandatory.	Programmes and degrees/ diplomas awarded by Technical Institutes not approved by AICTE are not recognized.	All Technical Courses and Technical Education Institutes need to be approved by AICTE.	The degrees/ diplomas issued by such institutions will not be recognized.

Haryana state Board of Technical Education (HSBTE)/Affiliating Universities	Affiliating/Examining body for Diploma/ degree level Technical Institutions.	To design, develop, and update curriculum for various diploma/ degree level courses, affiliation of polytechnics/ Technical Institutions and conduct of examination/ certification for award of diploma/ degree.	Diplomas/ Degrees awarded by any institution without approved curriculum and affiliation with HSBTE/ University are not recognized	Curriculum is required to be designed, developed and updated from time to time for all technical courses and examination/ certification to be conducted by the Board/ Affiliated University before award of diploma/ degrees to all students.	The diplomas/ degrees issued by such institutions will not be recognized.
Finance/ Planning Departments	Approval of New Plan Schemes, sanction/ release of funds.	approval of New plan schemes and Budgetary allocation and financial sanctions/ release of funds	To meet the cost of different Projects/Implementation of schemes of the department.	All new schemes to be taken up during the year require approval from Planning Department. Budget Allocation, Sanctions and Releases as per project cost.	Without approval of new plan schemes by the Planning Department this cannot be executed. In the absence of Sanction and timely release of adequate funds the projects/schemes will suffer.
National Project Implementation Unit/MHRD	Approval of projects and timely sanction/release of adequate funds.	Approval of projects and timely sanction. release of adequate funds.	To implement the Project in time.	Where ever required ?.	The department will not be able to implement the Project and resultantly the required quality improvement in Technical

<p>Industries including Central/State Public Sector Undertakings, industries associations like CII, FICCI. PHD Chamber of Commerce and Industry, ASSOCHAM NASSCOM, etc</p>	<p>Adequate number of summer training/ on the job training and placement of Degree/Diploma students.</p>	<p>Continuous support, interaction and cooperation from Industry as well as Central/ State Public Sector Undertakings</p>	<p>To build high quality skilled manpower and to make training industry orientated and also to provide employment to them.</p>	<p>Ideally all diploma/degree students from Technical Institutions should get on the job training during their course and then they should be gainfully employed as per their qualifications/ skills.</p>	<p>Without practical training, the students will not be able to acquire quality and relevant technical skills and resultantly they will either be unemployed or under employed.</p>
<p>Training Institutes like NITTTR Chandigarh, State Institute of Public Administration and other training institutions for faculty development</p>	<p>Training of adequate number of teaching and supporting staff.</p>	<p>Short/long term training programmes, refresher courses, workshop, seminars and conferences for training of teaching faculty and Supporting staff</p>	<p>To upgrade teaching skills and technical competencies</p>	<p>Ideally all teaching faculty and supporting staff attend a refresher course/training programme in the relevant field of duration not less than one week every two years, a short term programme of two weeks to three months and long term training programme of six months to one year in the entire career.</p>	<p>Without upgradation of knowledge and skill of teaching faculty and supporting staff it is not possible to impart quality teaching learning experience and industry oriented skills to the students.</p>

Section 6: Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15
1 1. Improvement in result of diploma/ degree institutions	Haryana State Technical Education Society, Haryana State Board of Technical Education, Affiliating Universities, Training Institutions, Partner Industries/ Industries Associations.	Good results as per target.	%age	33.6	37.36	40	50	60
2 2. Increase in percentage of placement and better average pay package	Haryana State Technical Education Society, Haryana State Board of Technical Education, Affiliating Universities, Training Institutions, Partner Industries/ Industries Associations	Placement Percentage.	%age	35	37	40	42	45
3 3. Participation of Girls in Technical Institutions	Haryana State Technical Education Society/ Technical Institutions	Minimum 25% Girls students as per state policy will be admitted in technical institutions. This figure may finally go to 50% or more to be enrolled/ trained/ employed.	%age	6500	7000	7500	8500	8800
4 Socio - economically backward area Development	1. Mewat Development Agency, Mewat Development Board, Ministry of Minority Affairs, Gol and other Stakeholders like NGOs 2. Shivalik Development Agency, Shivalik Development Board, Revenue and Disaster Management Department and	4.1.1 Number of new technical educational institutions opened	Number	10	-	-	-	-

Section 6: Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15
	other Stakeholders, like NGOs, etc(One exclusive institute for Girls).							
		4.1.2 Total Number of Student Appeared in Final Year(Three Technical Institutions Data).	Number	502	408	-	-	-
		4.1.3 Total Number of Passed out Students in Final Year (Three Technical Institutions Data).	Number	230	149	-	-	-
		4.1.4 Number of Placements(Three Technical Institutions Data)	%age	30	32	35	38	40
		4.2.1 Number of new technical education institution opened,(One Girls Polytechnic exists)	Number	-	-	-	-	-
		4.2.2 Total Number of Students appeared in Final Year.	Number	44	59	-	-	-
		4.2.3 Total Number of passed out Students in Final Year.	Number	38	48	-	-	-
		4.2.4 Number of Placements	%age	40	42	44	46	48