

TECHNICAL EDUCATION  
ANNUAL PLAN 1979-80

ASSAM

N.I. E.P.A. DOC. CEN.

\*\*\*\*\*  
\*\*\*\*\*  
\*\*  
\*\* TECHNICAL EDUCATION \*\*  
\*\* ASSAM \*\*  
\*\* ANNUAL PLAN \*\*  
\*\* 1979-80 \*\*  
\*\*\*\*\*  
\*\*\*\*\*

DRAFT ANNUAL PLAN 1979-80 - TECH. EDUCATION ASSAM.  
GENERAL AREA

The Fifth Plan ended in the year 1977-78 by curtailing one year from the original plan period and the Sixth Plan has been stepped in the year 1978-79. The emphasis has been given to consolidate the continuing schemes and expansion of Technical Education by introducing some new schemes to cater the requirement of Technical manpower in the country in general and North-Eastern Region in particular. To achieve this end in view it has been proposed to strengthen the existing institutes <sup>/by providing more physical facilities</sup> like Institutional Buildings, Workshops, Laboratories, Staff Quarters, students Hostels, Equipments and other facilities. It has also been included the diversification of Diploma Courses in the Textile Technology, Agricultural Engineering, Automobile Engineering, Architectural Assistantship etc. besides some other new courses like Fisheries Technology, Timber <sup>/short term management course, introduction of</sup> Technology, introduction of Commercial Practice included in the Sixth Plan as well as for the annual-Plan 1978-79.

Apart from physical facilities, proposed in the Plan, the stress has also been laid for qualitative improvement under different quality improvement programmes. The provisions have also been made for awarding scholarships to the students under specialised subjects. The provision has also been made for the programme "Do-it-Yourself" by the students, Proposed outlay for 1979-80 is Rs. 150.00 Lakhs of which Rs. 116.53 Lakhs for constructional works, Rs. 13.16 Lakhs for Tools & equipments and the rest Rs 35.31 Lakhs for recurring and other contingency expenditure.

Contd...2/-

REVIEW OF THE ANNUAL PLAN 1978-79

In the annual Plan 1978-79 the emphasis has been given mainly to increase the tempo of progress of the schemes which are in continuing from the previous plan programme. The schemes included construction of essential buildings of the institutions as well as for workshop and Laboratories, procurement ~~work~~ of equipments and construction of staff quarters and other students amenities with a view to improve the faculties of the institutions. The diversification of the diploma courses in Textile Technology, Agricultural Engineering Automobile Engineering and Architectural Assistantship were included. The other facilities like award of scholarship for study of specialised courses, improvement of Library facilities, organisation of "DO-IT-YOURSELF" Exhibition and training of teachers under Quality Improvement Programme were included.

The total approved outlay for 1978-79 is of the order of Rs. 92.00 Lakhs, out of which Rs. 36.86 Lakhs ~~is~~ has been earmarked for constructional work, Rs. 17.00 Lakhs for procurement of equipments and Rs. 38.34 Lakhs to meet the recurring and other contingency expenditures for different schemes. So far about 40 P.C. of the sanctioned outlay for the year 1978-79 has been spent. It is expected that the remaining portion of the allocation can be utilised within the financial year.

DRAFT ANNUAL PLAN FOR 1979-80

(1) Engineering College  $\frac{3}{4}$  There are two Engg. Colleges in the state functioning at present. Both the colleges facing difficulties due to inadequacy of building facilities particularly the hostel buildings. Moreover during the

Contd...3/-

current academic session of 1978-79 sixty additional seats (M.E. 30 and E.E. 30) have been provided at Jorhat Engg. College Jorhat. The provisions have however been made in the annual plan to cope with the situation.

A third College namely Regional Engg. College has been established during the academic session, 1977-78 at Silchar under centrally sponsored scheme. The State Govt. has to bear some expenditure on it. The pattern of assistance to be borne by the State is 50% of recurring expenditure and cent percent for development of land construction of internal road, water supply and providing fencing around the College campus. A provision of rs. ~~10.83~~<sup>31.63</sup> Lakhs has been made in the annual plan.

(2) Polytechnics - At present there are seven polytechnics including one for Girls in the state. All of these polytechnics facing difficulties for shortage of physical facilities like building and equipment. Provisions have however been made in the proposed annual plan for providing necessary physical facilities as far as practicable. Recently M.E. & E.E. courses of 30 intake each have been introduced in Dibrugarh Polytechnic to meet the increased demand. These two courses were sanctioned along with the original sanctioned scheme but kept in abeyance for shortage of physical facilities and steep fall in employment facilities.

Besides some diversification of diploma courses in the existing politechnic have also been taken up. A four-year sandwich-Cum-Semister pattern Diploma course in Textile Technology have been introduced in Assam Textile Institute, Gauhati and a 3 yrs Diploma course in Agri. Engg. at Dibrugarh Polytechnic which has however been temporarily shifted to Prince of Wales Institute, Jorhat. A post Diploma Course in Automobile Engg. at P.O.W.I., Jorhat have also been introduced.

Further a 3 yr. Diploma course in Architectural Assistantship has been sanctioned recently at Girls Polytechnic, Gauhati in replacement of the Old Diploma course in Civil Draftmanship. Moreover a number of new Diploma Courses like Fisheries Tech., Timber Tech., Shortterm management course, commercial practice course have been proposed in the both sixth plan and annual plan for 1979-80. It has also been proposed to establish three new polytechnics in the North Bank of Brahmaputra. For all these necessary provision for physical and financial facilities have been made.

(3) Junior Tech. Schools - There are two Junior Technical schools under general plan existes in Assam, one at Golaghat the other at Sibsagar. The physical facilities like institutional and workshop ~~works~~ buildings etc. are still lacking at Junior Technical School Sibsagar. The land for this school has recently been acquired. Necessary action for construction of building is being taken up shortly for which provision has been made in the plan. A third Junior Technical School is being started at Goalpara from the next academic session in its own building constructed earlier. Provision for Physical and financial facilities for the same has been made in the plan.

(4) State Directorate of Tech. Education:-

The Directorate of Technical Education needs be strengthened for conducting diploma examinations, to look after the students after passing out and taking up to other development activities. For these purpose an examination cell has been recently created and provision has been made for (1) formation of training -cum-placement and manpower cell (2) Curricular development and research problem, (3) Co-ordination and strengthening of existing evaluation (4) Adoption of polytechnic by industry and (5) construction

(5) Quality Improvement Programme:

A provision has also been made to train up teachers under different Quality Programme like Q.I.P., T.T.T.I. and C.T.I. provision has also been made for "DO-IT-YOURSELF" Exhibition Programme.

(6) Students Amenities.

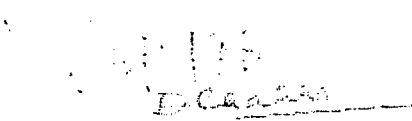
Provision has been made for providing amenities to the students like facility for games and sports, development of play ground, expansion of Book Bank, establishment of supply centers for the benefit of the students.

(7) Staff Quarter.

A provision has been made for construction of staff Quarters as are required to be provided to the staff of the institutes for deriving full utilisation of their services.

(8) Introduction of Post-Graduate Course.

The Post-Graduate Course in water-shed management including <sup>flood</sup> control has been introduced in Assam Engg. College, Gauhati. Necessary provision has been made for maintenance of the scheme. A similar course in M.E. has also been proposed at Jorhat Engg. College, Jorhat under the centrally sponsored scheme.

  
Jt. Director of Technical Education,  
Assam, Gauhati - 19.  
Director of Technical Education,  
Assam, Gauhati - 19.

Dc/-

.....

Draft Annual Plan 1979-80 - Heads of Development

State Assam  
Statement G.N. 1.

(Rs. Lakhs)

Head of Development	Outlay & Expenditure		5th Plan 1974-78		1977-78		1978-83		1978-79		Proposed outlay 1979-80		
	Outlay as financed in Oct. '76	Actuals	Actuals	Five yr. Plan outlay proposed	Approved outlay	Anticipated Expenditure	Total of which M.N.P.	Total of which M.N.P.	Total of which M.N.P.	Total of which M.N.P.	Total of F.Ex.	Change in content of MNP	Capital content of total outlay
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Technical Education	240.00	140.22	51.17	500.00 - 771.80	92.00 -	92.00 -	180.00 -	-	-	116.69			

*Debarth*

Director of Technical Education  
Assam :: Kahilipara :: Gauhati-19.

S.M.





GN 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
d) Strengthening the work for Curriculum Dev. and Research Problem	-	-	-	-	-	1.25 2.00	-	-	-	-	-	0.10	-	-	-
e) Coordination and strengthening of Existing evaluation.	-	-	-	-	-	1.25 2.00	-	-	-	-	-	0.10	-	-	-do-
f) Adoption of Polytechnic by Industry.	-	-	-	-	-	1.25 2.00	-	-	-	-	-	0.10	-	-	-
<b>2. Technical Schools.</b>															
a) Junior Technical School, Galaghat	5.00	10.81	3.07			13.38 <del>8.31</del>	-	3.70	-	3.70	-	3.00	-	-	1.00
b) Junior Technical School, Sibsagar.	8.00	10.69	3.40			16.95 <del>11.45</del>	-	2.95	-	2.95	-	4.00	-	-	1.75
c) Junior Technical School, Goalpara.	2.00	-	-			10.04 <del>6.25</del>	-	0.94	-	0.94	-	2.00	-	-	1.15
d) Construction of Staff Quarters	2.00	-	-			8.00 <del>5.05</del>	-	0.30	-	0.90	-	0.50	-	-	0.50
e) Students Amenities (Book Bank)	-	-	-			0.50 <del>0.30</del>	-	0.00	-	0.00	-	-0.06	-	-	-
f) Audiovisual Cell	-	-	-			0.29 <del>0.17</del>	-	-	-	-	-	0.03	-	-	0.03

GN 2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

3. Polytechnics consolidation & Development Poly.

a) Assam Engg. Instt. Gauhati. Including expansion.	9.00	3.32	2.10	<del>8.90</del> <sup>15.00</sup>	-	3.45	-	3.45	-	1.50	-	1.50
b) H.R.H. the Prince of Wales Instt. Jorhat (Community Polytechnic Conversation to)	3.00	1.15	-	<del>4.85</del> <sup>7.82</sup>	-0.32	-	0.32	-	0.40	-	-	0.25
c) Newgong Polytechnic (Including expansion)	3.75	2.74	0.20	<del>4.35</del> <sup>8.55</sup>	-	0.80	-	0.80	-	0.80	-	0.80
d) Silchar Polytechnic (Including expansion)	5.00	9.38	4.60	<del>24.88</del> <sup>25.63</sup>	-	2.13	-	2.13	-	2.00	-	<del>1.25</del>
e) Dibrugarh Polytechnic (Including introduction of Mech. Engg. and Elect. Engg. Courses and expansion)	20.20	19.37	4.09	<del>11.15</del> <sup>17.87</sup>	-	3.37	-	3.37	-	2.25	-	1.25
f) Student Amenities (Bk & Spk)	<del>1.50</del>	<del>16.70</del>	<del>6.81</del>	<del>11.15</del>	-	<del>6.95</del>	-	<del>6.95</del>	-	<del>1.75</del>	-	<del>1.75</del>

G.N.2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
f)Girls' Polytechnic (Including introduction of Architectural Assistantship and expansion).	9.50	10.70	6.84	11.85	-	6.95	-	6.95	-	1.75	-	-	0.75		
				18.95											
g)Student Amenities (Book Bank)	2.00	1.44	0.28	7.98	-	0.48	-	0.48	-	1.00	-	-	-		
				46.00											
h)Construction of Staff Quarter	17.00	7.11	1.03	31.59	-	3.62	-	3.62	-	5.00	-	-	5.00		
				5.50											
i)Revision of Staff structure & salary scale	6.00	-	-	3.42	-	0.50	-	0.50	-	2.50	-	-	-		
				19.00											
j)Replacement of Obsolete equipments and modernisation of Labs.	-	-	-	11.04	-	-	-	-	-	2.00	-	-	1.00		
				1.05											
k)Audiovisual Cell	-	-	-	6.65	-	-	-	-	-	0.13	-	-	0.13		
<u>4. Diversification of Diploma Course</u>				38.00											
a) Introduction of 4 yr. Sandwich course of Text. Tech. at A.T.I., Gauhati.	12.00	6.78	2.86	23.75	-	6.00	-	6.00	-	5.75	-	-	2.00		

9 N. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
b) Introduction of 3 yr. Diploma Course in Agri. Engg. at F.O.W.I., Jorhat	7.80	2.14	0.16			<del>20.50</del> 12.81	1.98			1.98		3.00			2.00
c) Introduction of 1½ yr. Post-Diploma Course in Auto. Engg. at F.O.W.I., Jorhat	5.40	3.40	1.16			<del>14.50</del> 2.06	2.45			2.45		3.50			2.00
d) Introduction of 3 yr. Diploma Course in Elect. & Telecom Engg. at Silchar Poly. now to be transferred to A.E.I., Gauhati.	1.80					<del>5.00</del> 2.95	0.05			0.05		0.10			
e) Introduction of Commercial Practice	4.00					1.65	0.05			0.05		0.05			
f) Introduction of Short-term Management Course	2.00					1.65	0.05			0.05		0.05			
g) Establishment of 3 Polytechnics (N/Lakhimpur, Tezpur, Bongaigaon).						<del>41.50</del> 26.71						1.00			
h) Introduction of 3 yr. Diploma Course in Timber Tech. at Dibrugarh Poly.						<del>9.10</del> 5.67	0.05			0.05		0.10			
i) Introduction of 3 yr. Diploma Course in Fisheries Technology at Silchar Polytechnic.						<del>5.07</del> 2.13						0.10			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
j) Better and more effective Library service qualified and trained Library staff for the Tech. Institutes.	-	-	-	-	-	<del>0.43</del> 1.00	-	-	-	-	-	0.10	-	-	-
k) Flexible Programme is of continuing education through Part-time and full-time Course.	-	-	-	-	-	2.00 1.25	-	-	-	-	-	0.10	-	-	-
l) Integration of management education with professional course.	-	-	-	-	-	0.40 <del>0.25</del>	-	-	-	-	-	0.05	-	-	-
m) Promotion of interaction etc.	-	-	-	-	-	0.40 <del>0.25</del>	-	-	-	-	-	0.05	-	-	-
n) Administrative Autonomy in Academic Autonomy to Tech. Instt.	-	-	-	-	-	0.60 <del>0.37</del>	-	-	-	-	-	0.05	-	-	-
o) Introduce credit system with provision for Multipoint for entry in part-time & full time course	-	-	-	-	-	0.60 <del>0.37</del>	-	-	-	-	-	0.05	-	-	-

GN 2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

5. Colleges & Institutions.

a) Assam Engg. College, Gauhati (Including expansion)	20.00	13.03	5.87	54.00 <del>35.75</del>	-	13.05	-	13.05	-	15.75 <del>10.75</del>	-	15.75
b) Jorhat Engg. College, Jorhat (Including expansion)	12.00	13.14	2.14	67.00 <del>42.04</del>	-	4.37	-	4.37	-	23.50 <del>18.50</del>	-	22.75 <del>17.75</del>
c) Student Amenities, (Book Bank)	1.30	0.30	0.30	4.00 <del>2.50</del>	-	0.40	-	0.40	-	0.50	-	-
d) Revision of Staff structure and salary scales	4.00	-	-	4.00 <del>2.51</del>	-	0.50	-	0.50	-	3.00	-	-
e) Construction of Staff Quarters.	6.00	1.98	1.20	25.00 <del>20.25</del>	-	0.80	-	0.80	-	4.00	-	4.00
f) Establishment of R.E.C. Silchar.	41.00	16.72	10.07	102.50 <del>68.75</del>	-	22.50	-	22.50	-	31.63 <del>26.63</del>	-	27.63 <del>22.63</del>
g) Replace of Obsolete equipment and modernisation of Laboratory and Tech. Institution.	-	-	-	6.00 <del>3.45</del>	-	-	-	-	-	1.00	-	1.00
h) Better and more effective Library services qualified and Trained library staff for Tech. Instt.	-	-	-	0.50 <del>0.51</del>	-	-	-	-	-	0.10	-	-

Contd/-

G.M.2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

i) Flexible Programme of continued education through part-time and full time course.	-	-	-	-	1.25 2.00	-	-	-	-	-	0.10	-	-	-
j) Re-orientation & improvement of Audio-visual and Reprographic services	-	-	-	-	2.71 4.00	-	-	-	-	-	1.00	-	-	1.00
k) Introduce credit system with provision of multipoint entry in part-time and full-time programme.	-	-	-	-	0.60 0.38	-	-	-	-	-	-0.05	-	-	-
l) Administrative Autonomy and Academic Autonomy to Tech. Instts.	-	-	-	-	0.60 0.38	-	-	-	-	-	0.05	-	-	-
m) Introduction of management of education with professional courses.	-	-	-	-	0.40 0.25	-	-	-	-	-	0.05	-	-	-
n) Promotion of interaction and collaboration between industry and Institutes through fellowship and residency scheme for personnel from industry and faculty members from Instts.	-	-	-	-	0.40 0.26	-	-	-	-	-	0.05	-	-	-



S.M.2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

6. Assistance to Tech. Institutes and Colleges and Universities.

a) Petroleum Technology at Dibrugarh University.

2.13 - - - - - 1.00 - - -  
13.00

b) Post Graduate Course in specialised subjects at Science College at Jorhat.

57.00  
31.25 - - - - - 17.00 - - -17.00

7. Direct Central Assistance (State share)

24.95  
15.04 - 4.95 - 4.95 - 1.00 - - 1.00

8. Scholarship 7.00 0.40 0.17

3.52  
3.88 - 0.30 - 0.30 - 0.50 - - -

9. Research - Training

a) Quality Improvement programme at Colleges and Polytechnics (Teachers Training/Seminar/Short Course)

7.43  
4.63 - 1.43 - 1.43 - 1.50 - - -

b) Practical Training for Graduates and Diplomates

3.25  
1.09 - - - - - 0.25 - - -

c) Do-it-yourself Programme 0.50 - -

2.18  
1.07 - - 0.33 - 0.33 - 0.50 - - -

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
d) Grants-In-aid-to institute of Engrs. Gauhati & Dibrugarh University.	183.25	-	-	-	-	2.38	-	0.20	-	0.20	-	0.50	-	-	-
						4.00									
e) Cost-Accountancy.															
f) Chartered Accountancy.															
g) Business management.															
h) Introduction of A.M.I.E. Course	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Grant Total</b>	<b>Rs. 240.00</b>	<b>141.22</b>	<b>51.17</b>	<b>500.00</b>	<b>-</b>	<b>92.00</b>	<b>-</b>	<b>92.00</b>	<b>-</b>	<b>130.00</b>	<b>-</b>	<b>-</b>	<b>96.69</b>		
				<b>771.80</b>						<b>150.00</b>			<b>116.69</b>		

*D. Chandra*

Director of Technical Education,  
Assam :: Kahilipara :: Gauhati-19.

S.M.

DRAFT ANNUAL PLAN -1979-80 SELECTED TARGETS & ACHIEVEMENTS \*  
 (PLEASE INDICATE CUMMUTATIVE TOTALS FOR EACH YEAR)

\* STATE / ASSAM  
 STATEMENT GN 3

Sl. No.	Item	Unit	5th Plan 1974-78 Target	1974-79 Achievement	1977-78 (Achievement)	1978-80 Target Proposed	1978-79 Target	Anticipated Achievement	1979-80 Proposed Target
1	2	3	4	5	6	7	8	9	10

Technical Education (Annual Intake)		3	4	5	6	7	8	9	10
A) Diploma Course	7	3850	3850	1000	5720	1000	1000		1060
B) Degree Course	3	1440	1440	390	2190	450	450		450

.....

L.M./24/11/78

CENTRALLY SPONSORED SCHEMES - CUTLAYS AND EXPENDITURE STATEMENT - CN-5

(Rs. lakhs)

Name of Scheme	1974-78	1977-78	1978-83	1978-79		1979-80	
	Plan Outlay 1974- 79	Actual Expen- diture	Actual Expen- diture	Outlay Proposed	Approved Outlay	Proposed Anticipated Expen- diture	Outlay
1	2	3	4	5	6	7	8

TECHNICAL EDUCATION

1. Introduction of A.M.I.E. Course at Instt. of Engr. Gauhati.	0.50	0.08	0.08	0.75	0.15	0.20	0.20
2. Introduction of Post Graduate Course in Civil Engg. at Assam Engg. College, Gauhati.	5.42	1.70	1.26	15.50	1.25	1.25	3.60
3. Introduction of Post Graduate Course in Mech. Engg. at Jorhat Engg. College, Jorhat.	-	-	-	15.50	-	-	3.50

S.M./24/11/78

PROFORMA

Employment generated and likely to be generated in the sector programme during the year 1978-79 and 1979-80.

State/Ministry     Assam/Education  
Department        Tech. Education.

1. Project/Scheme/Programme Annual Plan 1979-80 (The Plan Programme)			
2. Financial Outlay for the project (in Rs. <del>10</del> <sup>5</sup> Lakhs).			
3. Total Employment potential	<u>1978-79</u>	<u>1979-80</u>	
(with year wise Breakup)			
a) Unskilled or un-educated.	20	43	
b) Educated.			
(i) Technical	32	23	
(ii) Non-Technical.	15	16	
4. Expenditure made upto date     Rs. 25.97 Lakhs. (in Rs. 25.97 Lakhs) 1978-79.			
5. Employment actually generated.	Employment actually generated upto	Employment Anticipated	
	<u>30.10.78</u>	from 1.11.78	
a) Unskilled or Uneducated	4	<u>to 31.3.79</u>	
b) Educated	.	16	
(i) Technical	11	21	
(ii) Non Technical	-	15	
Generation of Employment anticipated.     1979-80			
a) Unskilled or Uneducated.	43		
b) Educated	.		
(i) Technical.	23		
(ii) Non Technical	16		

Reasons for shortfall in employment generated or any other remark.