

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

No.F.23-34/88-T.5

C/o Ministry of Human Resource Development  
(Department of Education)  
Shastri Bhavan,  
New Delhi - 110 001.

Date: June 20, 1989.

To

The Chief Secretary,  
Government of Punjab, and  
Chairman, Board of Governors,  
Longowal Institute of Engineering  
and Technology,  
Longowal,  
Chandigarh.

**Subject:** Establishment of Longowal Institute of Engineering and Technology, Longowal - Approval for -

Sir,

I am directed to state that on the recommendations of the National Expert Committee, the Minister for Human Resource Development, in his capacity as Chairman, All India Council for Technical (AICTE), has approved the setting up of Longowal Institute of Engineering & Technology, Longowal, Punjab for introduction of 12 certificate courses and 10 diploma courses in the first phase of its development in the various fields as shown in Annexure-A. These courses will be designed and conducted on modular pattern and duration of the course will be 2-year at each level.

2. The Institute during its development in the second and third phases will conduct more certificate and diploma level programmes, besides degree level programmes as and when the need arises. In addition, the Institute will provide non-formal education and training to persons from unorganised sectors of population and school drop-outs to enable them to acquire basic technical skill so that they are gainfully employed. Entrepreneurship Development will be an in-built feature in the curriculum of all courses so as to motivate pass-outs to become self-employed. There will also be provision for lateral entry into diploma course after 10+2 or equivalent and degree course as and when started after B.Sc. or Polytechnic diploma or equivalent with the provision of bridge courses of specific duration. The introduction of degree courses would be subject to the approval of the report of the National Expert Committee.

3. The job opportunities shall be taken into account in designing the courses so that those who qualify at the various

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levels do not have to remain without employment once they come out of the institution. Dovetailing of skills required, whether for self-employment or jobs, with education, training and skills imparted shall be duly ensured by the Institute.

4. The overall non-recurring estimates for the 1st Phase for the establishment of this Institute will be as under:-

<u>Buildings</u>		<u>Area in Sq.Metres</u>
i)	Central service block (including hostel & faculty Guest House)	23827
ii)	Certificate Block	5411
iii)	Diploma Block	9225
iv.	Common Utility Block	3900
v.)	Staff Quarters	40250
Total:		82613

Cost @ Rs.1,500/- per Sq.m. 12.39 cr.

Campus Development 2.00 cr.

Total: 14.39 cr.

Equipment and central services 4.95 cr.

GRAND TOTAL (Non-Recurring) 19.34 cr.

“The details of non-recurring expenditure viz. building, equipment, library, furniture and vehicles are given in Annexure-1. The cost given as above was estimated at the time of the formulation of the project. The cost shall, therefore, be subject to the escalation of the prices. The upward revision of the cost will be subject to the recommendations of the Management Committee of the Institute and the approval of the administrative Ministry of the Government of India.”

5. The total cost of the Institute for running of courses in the first year would be Rs.45.00 lakhs. The ultimate recurring cost would be Rs.241.00 lakhs when the Institute become fully functional (details given in Annexure-II). The recurring expenditure includes the expenditure on teaching staff, supporting and technical staff, administrative staff and other recurring items of expenditure including consumables, maintenance, travelling and other allowances etc.

6. The Institute will be funded entirely by the Central

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Government but the developed land for the Institute and electricity, water etc. will be provided by the State Government.

7. There will be an intake of 20 students in each course at all levels in the 1st Phase.

8. The courses at the two lower levels i.e. Certificate and Diploma, will be terminal and at the same time there will be continuity at both these levels. Certain percentage of students will be siphoned out either voluntarily or compulsarily. ~~At the same time~~ others who are keen and have the necessary capability can go up the ladder, through appropriate bridge courses, to the degree level.

9. The faculty of the proposed institute would be as follows:

i) Dean	<u>2</u>
ii) Assistant Professors	22
iii) Senior Lecturers	27
iv) Lecturers/Others	<u>145</u>
Total posts:	<u>196</u>

The full complement of posts proposed to be created may be seen at Annexure-II. The Longowal Institute of Engineering and Technology, Longowal would be conducting besides the regular courses, appropriate bridge courses to enable some students to join the next level of higher courses. In addition, the Institute would have to cater to the diverse requirements of the Region for which a large number of electives would be offered in the courses at all levels, i.e. Certificate, Diploma and Degree. Introduction of non-formal technical education and entrepreneurship development will further add to the teaching load. Adding all these additional loads, the ratio would come up to the acceptable norm generally obtaining in other technical institutions of the same level in the country. However, at the time of sanction the necessary staff, the Management Committee of the Institution, Ministry of Human Resource Development and all other concerned will ensure that the effective teacher student ratio for the various courses would be as follows:

i) Certificate courses	<u>1:12</u>
ii) Diploma courses	<u>1:10</u>
iii) Degree courses	<u>1:8</u>

The full complement of staff will be recruited subject to the fulfilment of the above teacher student ratio. As such the recruitment of the faculty at any point of time will be as per the student strength. Total complement of faculty, mentioned above, would act as a ceiling. The interse ratio of teachers shall be as

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recommended by the Madan Committee on staff structure in technical institutions. So far as degree courses are concerned, the ratio of Professor, Assistant Professor, Lecturer will be 1:2:4. In respect of Diploma and Certificate courses the ratio of senior teacher and junior teacher will be 1:3. The grouping of teachers among senior and junior shall be as per general norms and recommendations of the Madan Committee.

10. The non-teaching, administrative and supporting staff shall be as given in the Project Report of the Institution. The expenditure on the non-teaching and other supporting and administrative staff shall, however, not exceed 50% of the expenditure on the teaching staff.

11. The Institution will be autonomous in character and registered as a Society under the Societies Registration Act. The Administrative and Academic matters of the Institute will be managed by a Board of Governors which has already been registered as a Society. There will also be a close association between the Institute and the other Universities/Institution in the Northern Region to co-relate the courses with the well-defined and well established needs and to avoid duplication and overlapping.

12. This issues with the approval of Integrated Finance Division of the Ministry vide Dy. No.6870/89-1FD dated 2-6-1989.

Kindly acknowledge receipt.

Yours faithfully,

  
(V. N. DATTA)

Deputy Educational Adviser (T)

For MEMBER-SECRETARY  
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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Copy to:

1. The Secretary to the Governor of Punjab, Chandigarh.
2. The Adviser (Education), Planning Commission, Yojana Bhavan, New Delhi.
3. ✓ The Director, Longowal Institute of Engineering & Technology, Kothi No.50, Sector-4A, Chandigarh.
4. Education Unit, Planning Commission, Yojana Bhavan, New Delhi.
5. All Regional Offices of the Ministry at Calcutta, Bombay, Kanpur and Madras.
6. The Secretary to the Government of Punjab, Technical Education & Industrial Training Department, Punjab Civil Secretariat, Chandigarh.
7. The Director of Technical Education, Government of Punjab, Sector - 17-A, Anar Building, Chandigarh.
8. The Accountant General, Punjab, Chandigarh.
9. The Asstt. Educational Adviser (T), Ministry of Human Resource Development (Department of Education), Northern Regional Office, 1-A, Laxmanbagh, Nawabganj, Kanpur - 208 002.
10. I.F.I Section.
11. Survey Unit.
12. E.C. Unit.
13. Guard File.

(V.N. Datta)

Deputy Educational Adviser (T)  
For MEMBER-SECRETARY  
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COURSES TO BE STARTED IN THE FIRST PHASECERTIFICATE COURSES. ( Intake 20 each)

1. Servicing & maintenance of Electronics Instruments.
2. Servicing & maintenance of Medical Instruments.
3. T.V. Mechanic.
4. Data Entry Operators and Word Processing.
5. Computer Servicing & Maintenance.
6. Food Processing and Preservations.
7. Civil Draftsmanship.
8. Auto and Farm Equipment Mechanic.
9. Tool & Die Making.
10. Welding.
11. Foundry and Forging.
12. Air Conditioning Mechanic.

DIPLOMA PROGRAMMES ( Intake 20 each)

1. Electronics & Communication Engineering.
2. Instrumentation and Process Control.
3. Computer Programming and Applications.
4. Rural Technology and Environmental Engineering.
5. Entrepreneurship and Management.
6. Welding Technology.
7. Maintenance and Plant Engineering.
8. Foundry Technology.
9. Tool Engineering.
10. Polymer Technology.

The above courses have been identified taking  
in to consideration the man power requirements of  
the State.

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