

**DIRECTORATE OF TECHNICAL EDUCATION
PUNJAB**

ADMINISTRATION REPORT

FOR THE YEAR 1962-63



CHANDIGARH :

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**REVIEW ON THE ADMINISTRATION REPORT IN REGARD
TO THE TECHNICAL EDUCATION FOR THE
YEAR 1962-63**

The Department of Technical Education is concerned with the development and administration of technical education for the Degree and Diploma level on the engineering side. The Directorate of Technical Education is primarily concerned with diploma level education and serves as a Secretariat for the State Board for Technical Education which was set up in February, 1958, to co-ordinate the activities of the various technical department concerned with the imparting of such courses in the Punjab State. It functions as the highest body at the State level as regards the policy matters in connection with imparting of technical education and its future development. The Board prescribes different courses of training, etc., holds examinations and co-ordinates all activities of the technical department in this connection.

2. The Degree level technical education is under the control of the Punjab University.

3. The main activities of the Department fall into the following broad categories :—

- (a) Implementation of the plan for technical education,
- (b) giving of grant-in-aid to non-government institution, after adjudging their suitability,
- (c) grants of loans and scholarships,
- (d) examinations for awarding the National Certificates Course Diplomas and Draftsman Certificates.

3.1. 1962-63 was the 2nd year of the Third Five-Year Plan. The main aims of the Third Five-Year Plan of the Technical Education are :—

- (a) consolidation of the institutions set up in the Seconds Five-Year Plan,
- (b) Introduction of new courses and re-arrangement of pattern of admission to Engineering institutions at the Degree and Diploma levels in anticipation of the change in the employment pattern in the country,

- (c) introduction of new Post-Graduate Courses for training Engineering scientist for manning design and Research assignments so essential for sustaining the developing economy of the country,
- (d) increasing the intake for Degree and Diploma institutions for meeting the needs of the Fourth Five-Year Plan as assessed by the Central Working Group on Technical Education,
- (e) take measures for ensuring equality of opportunity in obtaining technical education, on the basis of merit, to the students, who come from families in lower income groups.

3.2 A significant feature of the Third Five-Year Plan for the Punjab Government was a deliberate shift in allocation of funds in favour of technical education. A provision of Rs. 6.56 crores was made for the Degree and Diploma level institutions alone for the Third Five-Year Plan as against Rs. 1.71 crores which represents to the total expenditure during the Second Five-Year Plan.

3.3. A provision of Rs. 109.35 lakhs was made in the Budget for the year 1962-63. A statement comparing the provision in the budget, the revised estimates and the actual expenditure during 1962-63 is given below :—

| <i>Year</i> | <i>Budget Estimates</i> | <i>Revised</i> | <i>Actual expenditure</i> |
|-------------|-------------------------|----------------|---------------------------|
| 1962-63 | 109.35 | 82.46 | Rs. 76.25 |

The expenditure on buildings was satisfactory. There was some improvement in the procurement of equipment purchased during the year under report, as compared with the previous year.

4. A new institution, the Government Polytechnic at Sirsa was started as a guest institution at Punjab Polytechnic, Nilokheri.

PRODUCTION ENGINEERING/AERONAUTICAL ENGINEERING

5. Two major developments took place during the year under report in the Punjab Engineering College. A 4-year course for diploma in Production Engineering was introduced in the Punjab Engineering College. The main aim of this course was

to prepare small entrepreneurs. The second major development was the introduction of degree course in Aeronautical Engineering with an intake of 30 students.

STAFF

6. The statement at Annexure I compares the sanctioned strength of the teaching staff in the Punjab Engineering College and various Government Polytechnics with those in position during 1962-63. Eight teachers from the Punjab Engineering College were studying abroad for improving their qualifications during the year under report.

CONTROL/AFFILIATION OF DEGREE/DIPLOMA INSTITUTIONS

7. The following Degree/Diploma institutions remained under the control of Director, Technical Education, during the year under report :—

(a) Government Institutions

- (1) Punjab Polytechnic, Nilokheri.
- (2) Government Polytechnic, Ambala City.
- (3) Central Polytechnic, Chandigarh.
- (4) Government Polytechnic, Sirsa.
- (5) Government Polytechnic, Jhajjar.
- (6) Jagat Ram Government Polytechnic, Hoshiarpur.

(b) Non-Government (Aided) Institutions

- (1) Guru Nanak Engineering College, Ludhiana.
- (2) Thaper Institute of Engineering and Technology, Patiala.
- (3) Ramgarhia Polytechnic, Phagwara.
- (4) Mehr Chand Polytechnic, Jullundur.
- (5) S.D. Polytechnic, Baijnath.

(c) Non-Government (Unaided) Institutions

- (1) Vaish Technical Institute, Rohtak.
- (2) C.R. Polytechnic, Rohtak.
- (3) Vishwa Karma Institute of Engineering and Technology, Ludhiana.

7.2 The Diploma Institutions remained affiliated to the State Board of Technical Education during the year under report.

8. During the year under report the control of Chandigarh College of Architecture, Chandigarh, was transferred to the Architecture Department.

GRANT-IN-AID

9. The grants-in-aid given to the private institutions during the year under report are given below :—

| | Rs. |
|---|-------------|
| (1) Mehar Chand Polytechnic, Jullundur City | 40,000.00 |
| (2) Thaper Institute of Engineer- ing, Patiala | 2,50,000.00 |
| (3) Guru Nanak Engineering College, Ludhiana | 4,77,100.00 |
| (4) Ramgarhia Polytechnic, Phagwara | 57,900.00 |
| Total | 8,25,000.00 |

10. GRANT OF LOANS AND SCHOLARSHIPS.

10.1. The Government continued to give interest-free loans to students in Government and non-Government institutions. Rs. 17.35 lakhs were advanced as interest-free loan to students during the year under report.

10.2. As before, the Government institutions continued to provide scholarships to 10 per cent students of Government Diploma Institutions out of which 1/3 at Rs. 20 per mensem on merit basis and 2/3 Rs. 40 per mensem each on merit-cum-means basis tenable for one year and 5 merit scholarships of the value of Rs. 65 and Rs. 50 each for a year to Degree Students in the Punjab Engineering College. There were 10 necessitous Scholarships of the value of Rs. 50.

EXAMINATION

11.1. The State Board held the final year examination for N.C.C. as well as for Draftsman course. 1,375 students, who appeared for Diploma examination, 803 passed, i.e., giving at 58.4 percentage. Another 391 passed their examination in the supplementary. Thus in all against 1,375 students, who appeared 1,194 passed as a result of the annual and supplementary examinations

giving a pass percentage of 86.12. The result of the final year of the Punjab Engineering College, the Guru Nanak Engineering College, Ludhiana, and Thapar Institute of Engineering and Technology, Patiala, are given below :—

| | Appeared | Passed | Percentage |
|--|----------|--------|------------|
| (i) Punjab Engineering College Chandigarh— | | | |
| (1) Post-Graduate .. | 12 | 12 | 100 |
| (2) Civil Engineering .. | 59 | 57 | 96.61 |
| (3) Mechanical Engineering .. | 75 | 75 | 100 |
| (4) Electrical Engineering .. | 56 | 56 | 100 |
| (ii) Thapar Engineering College, Patiala.— | | | |
| Civil Engineering .. | 45 | 45 | 100 |
| Mechanical .. | 48 | 48 | 100 |
| Electrical .. | 27 | 27 | 100 |
| (iii) Guru Nanak Engineering College, Ludhiana.— | | | |
| Civil Engineering .. | 47 | 47 | 100 |
| Mechanical .. | 35 | 35 | 100 |
| Electrical .. | 27 | 26 | 96.3 |

ADMINISTRATION

12. Shri R.L. Khanna, Principal, Punjab Engineering College, Chandigarh, continued to function as part-time Director of Technical Education upto 18th August, 1962, after that Shri Paramjit Singh, Director, Industrial Training, took over the charge from Shri R.L. Khanna.

ORDER

Ordered that copies of the Review be circulated with the report and also that the review be published in the *Punjab Government Gazette*.

- (i) Ordered further that the review be forwarded to —
The Secretary to Government of India, Ministry of Scientific Research and Cultural Affairs, New Delhi.
- (ii) The Commissioners, Jullundur, Ambala, and Patiala Divisions and all Deputy Commissioners in the Punjab.
- (iii) Director, Technical Education, Punjab, Chandigarh.
- (iv) Principal, Punjab Engineering College, Chandigarh.

K. S. NARANG,
Secretary to Government, Punjab,
P.W.D., B. & R./P.H. Branches.

ANNEXURE I

(Referred to in para 4)

Statement showing the strength of the teaching staff sanctioned and those in position during the year 1962-63:

| | | <i>Number of teaching posts sanctioned during 1962- 63</i> | <i>Number of teaching posts filled up to 31st March, 1963</i> |
|--|----|--|---|
| (1) Punjab Engineering College, Chandigarh | .. | 79 | 66 |
| (2) Punjab Polytechnic, Nilokeri | .. | 93 | 63 |
| (3) Government Ploytechnic, Ambala | .. | 85 | 67 |
| (4) Central Polytechnic, Chandigarh | .. | 57 | 49 |
| (5) Government Polytechnic, Jhajjar | .. | 19 | 14 |
| (6) Government Polytechnic, Sirsa | .. | 28 | 9 |
| (7) Jagat Ram Government Polytechnic, Hoshiarpur | .. | 38 | 29 |