

MANPOWER STATISTICAL REPORT

OF THE

2005 SUPPLEMENTARY SURVEY ON

E & M WORKERS WORKING IN CONSTRUCTION SITES

**Manpower Statistical Report of
the 2005 Supplementary Survey on
E & M Worker Working in Construction Sites**

Introduction

In March 2005, the Electrical and Mechanical Services Training Board conducted its fourth supplementary manpower survey to collect up-to-date manpower data on electrical and mechanical (E & M) workers working in construction sites. The collected data facilitated more comprehensive analysis of the manpower situation of the electrical and mechanical services industry.

Scope of the Survey

2. For the sake of manpower data consistency, the supplementary survey was carried out in conjunction with the 2005 manpower survey of the building and civil engineering industry in March 2005. The supplementary survey covered all 795 building sites and 413 civil engineering and other sites recorded by the Census and Statistics Department (C & SD).

Number of Workers Employed

3. The survey revealed that in March 2005, a total of 5 379 E & M workers of electrical/mechanical engineering and related disciplines principal jobs were working in construction sites. Of the 5 379 E & M workers, 4 690 workers (87.2%) were working in building sites and 689 workers (12.8%) in civil engineering and other sites.

4. At the time of the survey, there were only 2 trainees of electrician/electrical fitter trade under training in construction sites, and only 1 vacancy of electronics technician trade was reported by employers during the survey.

---- 5. The distribution of workers and trainees by principal job are at Appendix 1.

Monthly Income Range

---- 6. The distribution of workers by monthly income range of each E & M principal job in construction sites is at Appendix 2.

ELECTRICAL & MECHANICAL WORKERS
WORKING IN CONSTRUCTION SITES
在建築地盤工作的機電工程從業員

MANPOWER STATISTICS
人力狀況

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者人數	No. of Vacancies at Date of Survey 調查期間 空缺數目
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級			
Building Services Engineer 屋宇設備工程師	18	-	-
Control and Instrumentation Engineer 控制及儀器工程師	6	-	-
Electrical Engineer 電機工程師	13	-	-
Electronics Engineer 電子工程師	4	-	-
Lift/Escalator Engineer 升降機／自動梯工程師	20	-	-
Mechanical Engineer 機械工程師	3	-	-
Refrigeration/Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／通風設備 工程師	21	-	-
Fire Services Engineer 消防設備工程師	11	-	-
Sub-total 小計	96	-	-
TECHNICIAN LEVEL 技術員級			
Building Services Technician 屋宇設備技術員	21	-	-
Draughtsman 繪圖員	12	-	-
Electrical Engineering Technician 電機工程技術員	56	-	-

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者人數	No. of Vacancies at Date of Survey 調查期間 空缺數目
TECHNICIAN LEVEL (Continued) 技術員級 (續)			
Electrical Instrument and Meter Technician 電工儀器技術員	24	-	-
Electronics Technician 電子技術員	4	-	1
Lift/Escalator Technician 升降機／自動梯技術員	35	-	-
Telecommunication Technician 電訊技術員	10	-	-
Mechanical Engineering Technician 機械工程技術員	12	-	-
Refrigeration/Air-conditioning/ Ventilation Technician 冷凝／空氣調節／通風設備 技術員	115	-	-
Fire Services Technician 消防設備技術員	103	-	-
Supervisor 監督	23	-	-
Sub-total 小計	415	-	1
TRADESMAN LEVEL 技工級			
Building Security System Mechanic 屋宇防盜系統技工	16	-	-
Building Services Mechanic 屋宇設備技工	93	-	-
Cable Jointer (Power) 強電流電纜接駁技工	72	-	-
Communication System Mechanic 電訊系統裝配工	49	-	-
Electrician/Electrical Fitter 電工／電氣打磨裝配工	1 988	2	-
Fire Services Mechanical Fitter 消防機械裝配工	344	-	-
Fire Services Electrical Fitter 消防電氣裝配工	123	-	-
Lift/Escalator Mechanic 升降機／自動梯技工	249	-	-

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者人數	No. of Vacancies at Date of Survey 調查期間 空缺數目
TRADESMAN LEVEL (Continued) 技工級 (續)			
Mechanical Fitter 機械打磨裝配工	85	-	-
Overhead Linesman 架空電線技工	3	-	-
Plumber and Pipe Fitter 喉管工	355	-	-
Refrigeration/Air-conditioning/ Ventilation Mechanic 冷凝/空氣調節/通風設備技工	875	-	-
Sheet Metal Worker 薄片金屬構造工	50	-	-
Thermal Insulation Craftsman 保溫技工	56	-	-
Welder 焊接技工	27	-	-
Electrical Appliances Service Mechanic 電器用具維修技工	92	-	-
Gas Installer 氣體裝置技工	59	-	-
Foreman/Chargehand 管工/領工	91	-	-
Sub-total 小計	4 627	2	-
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人/普通工人			
Labourer 雜工	90	-	-
Semi-skilled Worker 半技術工人	151	-	-
Sub-total 小計	241	-	-
GRAND TOTAL 總計	5 379	2	1

ELECTRICAL & MECHANICAL WORKERS
WORKING IN CONSTRUCTION SITES
在建築地盤工作的機電工程業

DISTRIBUTION OF EMPLOYEES BY MONTHLY INCOME RANGE
根據每月收入幅度僱員人數分佈情況

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級									
Building Services Engineer 屋宇設備工程師	-	-	-	-	1	1	9	7	-
Control and Instrumentation Engineer 控制及儀器工程師	-	-	-	-	-	-	3	3	-
Electrical Engineer 電機工程師	-	-	-	-	2	1	8	-	2
Electronics Engineer 電子工程師	-	-	-	-	-	-	3	1	-
Lift/Escalator Engineer 升降機／自動梯工程師	-	-	-	-	20	-	-	-	-
Mechanical Engineer 機械工程師	-	-	-	-	2	-	1	-	-
Refrigeration/ Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／ 通風設備工程師	-	-	-	-	12	5	3	-	1
Fire Services Engineer 消防設備工程師	-	-	-	-	1	-	7	2	1
Sub-total 小計	-	-	-	-	38	7	34	13	4
TECHNICIAN LEVEL 技術員級									
Building Services Technician 屋宇設備技術員	-	-	-	4	8	5	2	-	2
Draughtsman 繪圖員	-	2	5	1	4	-	-	-	-
Electrical Engineering Technician 電機工程技術員	-	-	2	25	16	7	-	-	6
Electrical Instrument and Meter Technician 電工儀器技術員	-	-	1	2	6	4	-	-	11
Electronics Technician 電子技術員	-	-	1	2	-	1	-	-	-
Lift/Escalator Technician 升降機／自動梯技術員	-	-	14	4	3	2	-	-	12
Telecommunication Technician 電訊技術員	-	-	7	3	-	-	-	-	-

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
TECHNICIAN LEVEL (Continued) 技術員級 (續)									
Mechanical Engineering Technician 機械工程技術員	-	-	1	7	1	1	-	-	2
Refrigeration/ Air-conditioning/ Ventilation Technician 冷凝／空氣調節／ 通風設備技術員	-	-	4	39	49	16	-	-	7
Fire Services Technician 消防設備技術員	-	-	6	19	39	14	-	-	25
Supervisor 監督	-	-	2	2	15	4	-	-	-
Sub-total 小計	-	2	43	108	141	54	2	-	65
TRADESMAN LEVEL 技工級									
Building Security System Mechanic 屋宇防盜系統技工	-	-	11	5	-	-	-	-	-
Building Services Mechanic 屋宇設備技工	-	-	-	93	-	-	-	-	-
Cable Joints (Power) 強電流電纜接駁技工	-	-	22	7	33	-	-	-	10
Communication System Mechanic 電訊系統裝配工	-	12	27	7	1	-	-	-	2
Electrician/Electrical Fitter 電工／電氣打磨裝配工	-	20	470	652	472	54	14	-	306
Fire Services Mechanical Fitter 消防機械裝配工	-	1	84	173	32	3	-	-	51
Fire Services Electrical Fitter 消防電氣裝配工	-	-	49	35	30	-	-	-	9
Lift/Escalator Mechanic 升降機／自動梯技工	-	2	44	96	24	13	-	-	70
Mechanical Fitter 機械打磨裝配工	-	-	36	29	20	-	-	-	-
Overhead Linesman 架空電線技工	-	-	-	-	3	-	-	-	-
Plumber and Pipe Fitter 喉管工	-	-	180	35	131	2	-	-	7
Refrigeration/ Air-conditioning/ Ventilation Mechanic 冷凝／空氣調節／ 通風設備技工	-	6	276	219	136	30	-	-	208
Sheet Metal Worker 薄片金屬構造工	-	-	20	12	-	2	-	-	16

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
TRADESMAN LEVEL (Continued) 技工級 (續)									
Thermal Insulation Craftsman 保溫技工	-	-	46	10	-	-	-	-	-
Welder 焊接工	-	-	23	4	-	-	-	-	-
Electrical Appliances Service Mechanic 電器用具維修技工	-	5	52	20	15	-	-	-	-
Gas Installer 氣體裝置技工	-	-	25	16	5	-	-	-	13
Foreman/Chargehand 管工/領工	-	-	-	27	57	3	-	-	4
Sub-total 小計	-	46	1 365	1 440	959	107	14	-	696
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人/普通工人									
Labourer 雜工	-	73	17	-	-	-	-	-	-
Semi-skilled Worker 半技術工人	1	93	15	42	-	-	-	-	-
Sub-total 小計	1	166	32	42	-	-	-	-	-
GRAND TOTAL 總計	1	214	1 440	1 590	1 138	168	50	13	765