

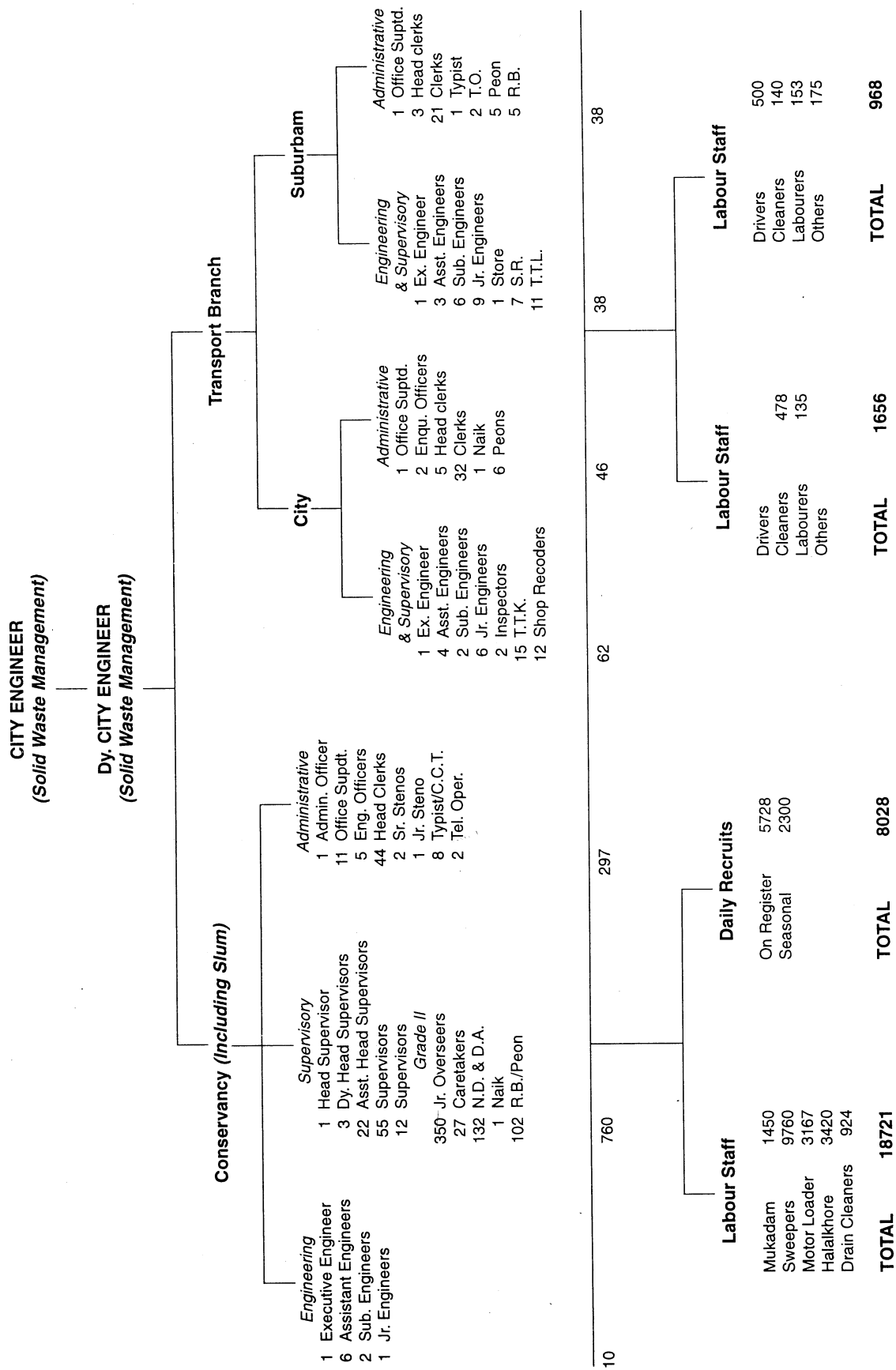
PART A

APPENDICES

APPENDIX	Page
AA-I.1	29
AA-I.2	30
AA-II	31
AA-III	32
AA-IV.1	33
AA-IV.2	33
AA-V	34
AA-VI	35
AA-VII	36

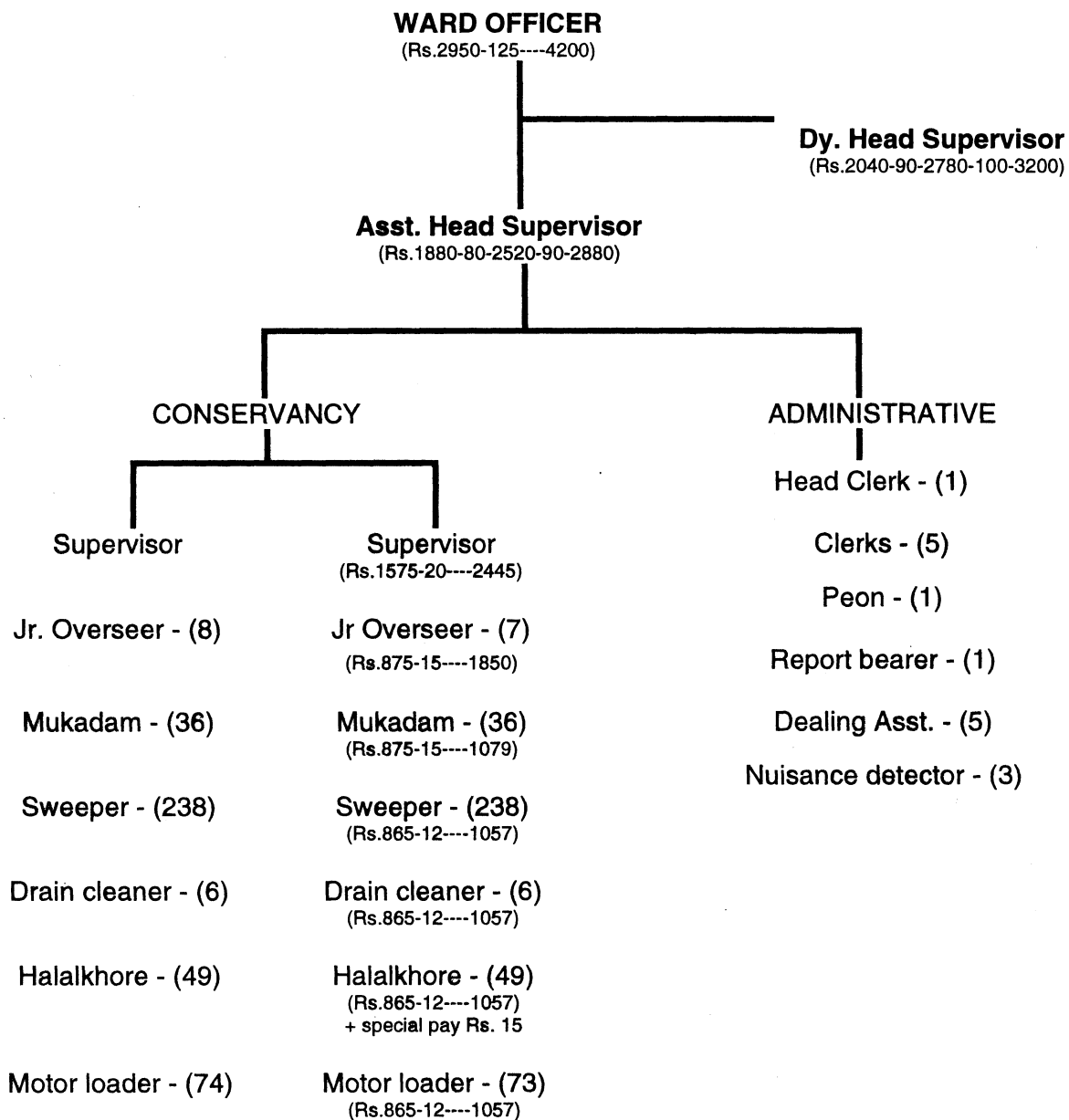
**ORGANISATION CHART
SOLID WASTE MANAGEMENT DEPARTMENT
MUNICIPAL CORPORATION OF GREATER BOMBAY.**

STAFF CHART OF SOLID WASTE MANAGEMENT DEPARTMENT



APPENDIX AA-I.2

**ORGANISATION CHART
SOLID WASTE MANAGEMENT DEPARTMENT
K-WEST WARD**



APPENDIX AA-II PROFORMA FOR USE BY JUNIOR OVERSEERS

WARD:

DATE:

Shift:

Name of JO

No. of sweepers absent

No. of sweepers absent half day:

No. of halalkhores absent:

No. of halalkhores absent half day:

No. of dust bins not cleaned:

No. of vehicles required but not available (received short) in his section:

No. of vehicles breaking down during shift:

No. of public toilets and urinals not cleaned:

Bin locations where refuse is overflowing:

No. of complaints received:

No. of complaints attended:

Signature:

APPENDIX AA-III SUGGESTED TRAINING PROGRAMMES

TRAINING PROGRAMME FOR SWEEPERS AND HALALKHORES

- | | |
|---------|---|
| 1st DAY | 1. Introduction to SWM Organisation
2. Personal & social hygiene
3. Audio visual presentation on unhygienic localities |
| 2nd DAY | 1. Use of different equipment in SWM
2. Salient features of sanitary provisions in the BMC Act
3. Audio visual presentation on clean localities |
| 3rd DAY | 1. Public participation in SWM
2. Do's and don'ts in SWM
3. Audio visual presentations on diseases, vectors and rodents |

TRAINING PROGRAMME FOR SUPERVISORS

1. - Introduction to management
 - Management techniques
 - Manpower management
2. - Definition of solid waste and environment pollution
 - Importance of good solid waste management
 - Planning and management
3. - Refuse collection systems
 - Financial aspects of SWM
 - Supervision
4. - Reporting techniques

APPENDIX AA-IV.1

TYPICAL TOTAL SALARY CALCULATION

	Rupees
Basic pay	1007
Dearness allowance (Inflation in cost of living)	1181
Compensatory allowance.....	49
Washing charges.....	15
Medical allowance.....	27
Interim relief A	117
Ad hoc additional pay.....	50
Total salary	2446

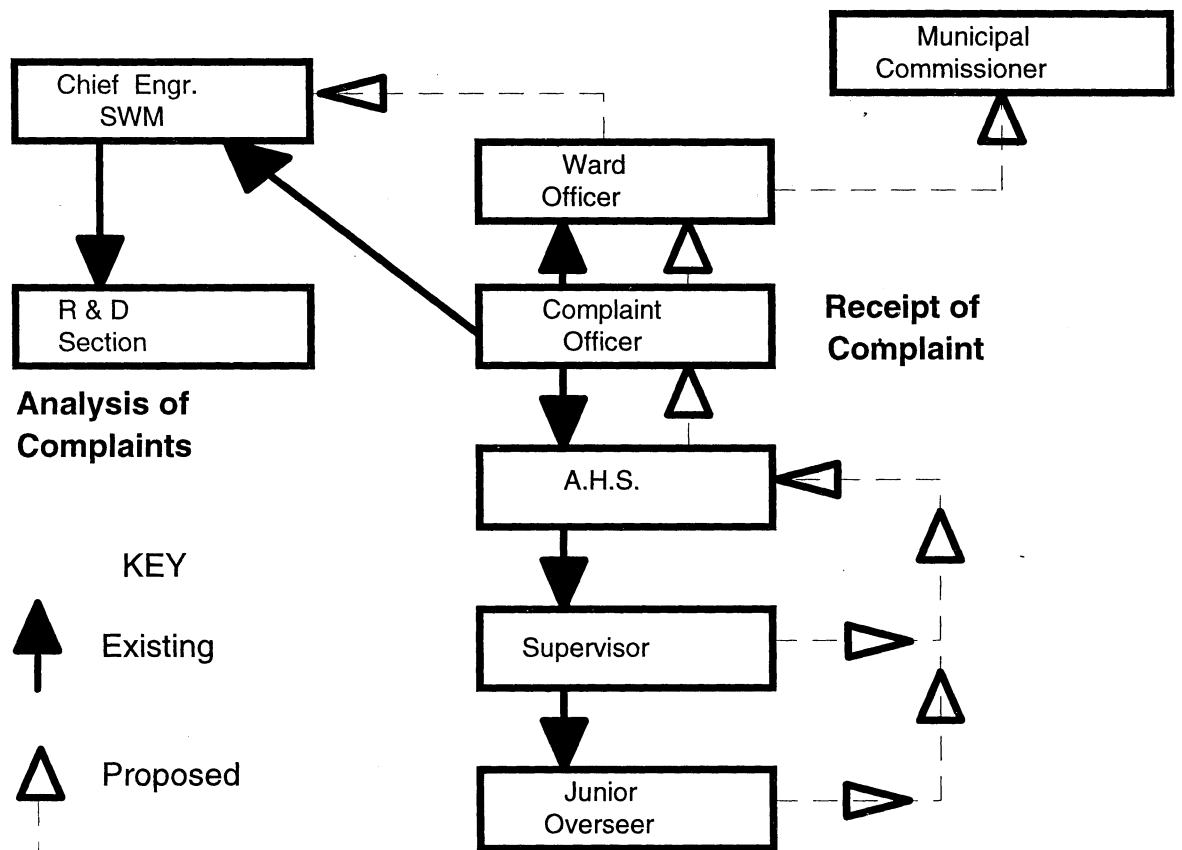
Motor loaders are allowed the following days of leave each year:

- 20 days medical leave
- 33 days earned leave
- 20 days casual leave
- 52 days - weekly day off

APPENDIX AA-IV.2 RESOURCES INVOLVED IN REFUSE COLLECTION AND TRANSPORT

Ward	No. of lorries used for removal of refuse per day (lean season)	Weight of refuse removed per day (tonnes)	Daily expenditure for removal of refuse (Rupees)	No. of lorries used for removal of debris per day (lean season)	No. of house gullies	Total staff
A	46	212.45	83,250	6	518	1692
B	26	119.52	50,700	4	936	1384
C	47	254.20	88,200	6	1852	2091
D	22	369.60	139,950	6	1375	2452
E	64	306.52	114,750	6	1005	2520
F/south	34	191.35	61,200	5	114	1161
F/north	33	151.23	47,250	5	-	1105
G/south	39	249.16	78,750	6	135	1359
G/north	46	232.39	76,950	8	91	1869
H/east	21	111.13	37,800	4	-	794
H/west	38	196.19	48,600	4	-	980
K/east	27	163.06	45,450	4	-	959
K/west	34	196.61	47,250	4	-	1124
P/south	13	76.18	28,350	4	-	634
P/north	17	78.32	45,450	4	-	777
R/south	13	76.13	29,700	3	-	445
R/north	23	152.10	31,500	4	-	746
L	26	153.55	32,850	8	-	772
M/east	17	85.42	23,400	3	-	300
M/west	19	103.55	23,400	5	-	792
N	17	91.16	32,850	6	-	833
S	17	102	29,700	4	-	542
T	12	64.52	22,050	3	-	555
	697	3,746.25	1,210,350			10,223

APPENDIX AA-V FLOW CHART SHOWING EXISTING AND PROPOSED COMPLAINT MONITORING SYSTEM



APPENDIX AA-VI

ESTIMATE OF COST OF PROTECTIVE EQUIPMENT FOR MANUAL LABOURERS

No of motor loaders (in city and suburbs including women)..... 4289

No of halalkhores (in city and suburbs including women) 1596

Total No of sweepers and halalkhores: 5885

Cost of equipment for one person: Rs 150/= each

Total cost of the equipment = 8.83 lakhs, keeping for reserves and defective supplies it
could be rounded to Rs 10,00,000.

APPENDIX AA-VII EXTRACTS OF LAWS PERTAINING TO CLINICAL AND INDUSTRIAL WASTES

368 (A)

Sub Section (1)

It shall be incumbent on the owner (directors and managers of the company) of hospitals, nursing homes and clinics to dispose of by incineration all their clinical waste in an incinerator approved by MCGB. In case of use of such facilities of others, they shall be charged at the rate approved by MCGB.

Sub Section (2)

It shall be incumbent on the owner (including directors, managers) of industries to cause all ashes, refuse, rubbish, acid, and industrial waste - including liquid, acid, gaseous wastes - to be collected from their respective premises and to be deposited on payment of charges fixed by MCGB at a licenced facility run by MCGB.

Explanation

Clinical waste means waste contaminated with blood, secretions, excreta or any other matter which can cause infection e.g. amputated organs, placenta, acid, dressing material etc.