

別添-12 案内送付先企業リスト

LIST OF EMPLOYERS

|     |  |       |         |
|-----|--|-------|---------|
| 1.  | The General Manager Uganda Breweries               | 7130  | Kampala |
| 2.  | The General Manager U.T.C.                         | 7038  | "       |
| 3.  | The General Manager U.C.T.U.                       | 5486  | "       |
| 4.  | The Managing Director Dairy Corp.,                 | 7075  | "       |
| 5.  | The General Manager Transocean                     | 4909  | "       |
| 6.  | The General Manager Coca-Cola                      | 3990  | "       |
| 7.  | The Chief Mechanical Engineer<br>Ministry of Works | 7174  | "       |
| 8.  | The General Manager, Peoples Trans-<br>port        | 1877  | Jinja   |
| 9.  | The General Manager Uganda Railways                | 4709  | Kampala |
| 10. | The Managing Director Posts & Tel                  | 7171  | "       |
| 11. | The General Manager, NYTIL                         | 408   | Jinja   |
| 12. | The General Manager Ship Tooth Brush               | 5169  | Kampala |
| 13. | Chief Mechanical Engineer Min. of Works            | 10    | Entebbe |
| 14. | General Manager Uganda Fishnet                     | 3025  | Kampala |
| 15. | Training Officer, Makerere Estates                 | 7062  | Kampala |
| 16. | The General Manager B.O.U.                         | 7120  | "       |
| 17. | The Training Officer, Uganda Grain<br>Milling      | 895   | Jinja   |
| 18. | The General Manager, National Theatre              | 3187  | Kampala |
| 19. | Medical Superintendent Kilwa Hospital              | 1     | "       |
| 20. | The General Manager Foods & Beverages              | 7013  | "       |
| 21. | The General Manager Interfreight                   | 4558  | "       |
| 22. | The General Manager Kakira Sugar Works             | 121   | Jinja   |
| 23. | The General Manager B.A.T.                         | 1100  | "       |
| 24. | The General Manager UGMA Steel<br>Engineering      | 1     | Lugazi  |
| 25. | The Gen. Manager UGATIONERS(U)LTD.,                | 700   | Mbale   |
| 26. | The Chief Mechanical Engineer Police<br>Workshop   | 21050 | Kampala |
| 27. | The Officer-in-Charge Hoima Catholic<br>Diocese    | 12189 | "       |
| 28. | The Gen. Manager Sembule Steel Mills               | 15182 | "       |
| 29. | The Gen. Manager Rapid Motor Services              | 3404  | "       |
| 30. | The General Manager U.C.I.Tororo                   | 74    | Tororo  |
| 31. | The General Manager Dunlop of E.Africa             | 1370  | Kampala |
| 32. | The Chief Manager, Prisons Industries              | 5751  | "       |
| 33. | The Gen. Manager Oscar Industries                  | 1229  | "       |
| 34. | The General Manager Steel Corp. E.<br>Africa       | 1023  | Jinja   |
| 35. | The Personnel Manager U.C.B.                       | 7049  | Kampala |

|     |  |       |         |
|-----|--|-------|---------|
| 36. | The General Manager Uganda Batteries Ltd                 | 7049  | Kampala |
| 37. | Training Officer, Ministry of Lands & Urban Dev't        | 7061  | "       |
| 38. | Personnel Manager Uganda International Conference Centre | 34    | "       |
| 39. | Training Officer, National Enterprises Corp.             | 3145  | "       |
| 40. | The Manager C.O.U Namirembe Guest House                  | 14127 | "       |
| 41. | The Gen. Manager, Jubilee Ice & Soda Works               | 256   | Jinja   |
| 42. | The General Manager Bamapo Wires Ltd.,                   | 142   | Kabale  |
| 43. | The " " E.African Distillaries                           | 3221  | Kampala |
| 54. | The " " Uganda Blanket Manu-<br>factures (1973) Ltd      | 2400  | Kampala |
| 45. | Medical Superitendant, Mulagor Hospital                  | 7051  | "       |
| 46. | " " Mengo "  | 7161  | "       |
| 47. | " " Rubaga "   | 14130 | "       |
| 48. | The "Gen. Manager Uganda Fishnet                         | 3025  | "       |
| 49. | The Chief Mechanical Engineer Min. of Works              | 7174  | "       |
| 50. | The Gen. Manager X Produce Marketing Board               | 5705  | "       |
| 51. | The " " Uganda Co-operative C.U.                         | 3580  | "       |
| 52. | The " " Steel Corp. E.Africa                             | 1023  | Jinja   |
| 53. | The Chief Manager, Prisons Industries                    | 5751  | Kampala |
| 54. | The General Manager Oscar Industries                     | 1229  | "       |
| 55. | The General Manager, Dunlopex of E.A.                    | 1370  | "       |
| 56. | The General Manager Rapid Motor Services                 | 3404  | "       |
| 57. | The General Manager Sembule Steel Mills                  | 15182 | "       |
| 58. | The Officer-in-Charge                                    |       |         |
| 59. | The Gen. Manager, Ugationers(U) Ltd.,                    | 700   | "       |
| 60. | The Gen. Manager Foods & Beverages                       | 7013  | "       |
| 61. | The Gen. Manager Kalinda Street Bread Ltd.               | 819   | Mbarara |
| 62. | The Training Officer Iweza Conference                    |       |         |
| 63. | The General Manager Akamba (U) Ltd.                      | 20028 | Kampala |
| 64. | The General Manager B.M.K Uganda Ltd.,                   | 5234  | "       |
| 65. | The General Manager Beak Motors Ltd.                     | 5444  | "       |
| 66. | The " " Hot Loaf Bakery Ltd.                             | 2283  | "       |
| 67. | The " " Univese Motor Co. Ltd.                           | 3138  | "       |
| 68. | Town Clerk, Kabale Municipal Council                     |       | Kabale  |
| 69. | The Training Officer Min. of Health                      | 8     | Entebbe |
| 70. | The " " " / "  | 7122  | Kampala |
| 71. | The General Manager Gomba Motors(1973)Ltd                | 5316  | "       |
| 72. | The General Manager Afro Motors Ltd.                     | 6945  | "       |
| 73. | The General Manager Jumbo Electronics Est.               | 258   | "       |

|      |   |                     |
|------|---|---------------------|
| 75.  | Town Clerk, Kabale Municipal Council,                         | Kabale              |
| 76.  | Training Officer, Ministry of Health,                         | Box 8, Entebbe      |
| 77.  | Training Officer, Ministry of Health,                         | Box 7122, Kampala   |
| 78.  | General Manager, Gomba Motors (1973) Ltd.,                    | Box 5316, Kampala   |
| 79.  | General Manager, Afro Motors Ltd.,                            | Box 6945, Kampala   |
| 80.  | General Manager, Jumbo Electronics Est.                       | Box 258, Kampala    |
| 81.  | General Manager, Bearings & Machinery<br>Equipment Ltd.,      | Box 30228, Kampala  |
| 82.  | General Manager, Motor Trust (U) Ltd.,                        | Box 20109, Kampala  |
| 83.  | - do - Rolex Motors Ltd.,                                     | Box 2016, Kampala   |
| 84.  | " Star Motor Spares Ltd.,                                     | Box 441, Kampala    |
| 85.  | Manager, Station Motors Ltd.,                                 | Box 2143, Kampala   |
| 86.  | General Manager, Miome General<br>Engineering Works Ltd.,     | Box 4230, Kampala   |
| 87.  | General Manager, Shinning Stars<br>Motors Ltd.,               | Box 3698, Kampala   |
| 88.  | Personnel Manager, Capital Inn                                | Box 99, Kabale      |
| 89.  | General Manager Pearl Motors                                  | Box 668, Kampala    |
| 90.  | Training Officer,<br>Ministry of Animal Industry & Fisheries, | Box 7003, Kampala   |
| 91.  | Training Officer,<br>Ministry of Agriculture,                 | Box 102, Kampala    |
| 92.  | Manager, Busoga Co-op. Union                                  | Box 569, Jinja      |
| 93.  | Manager Kitgum Co-op. Union                                   | Box 30 Kitgum       |
| 94.  | Manager, West Nengo Co-op. Union                              | Box 1240, Kampala   |
| 95.  | Manager, Gulu Co-op. Union                                    | Box 106, Gulu       |
| 96.  | General Manager, Banyankole Kweterana<br>Co-op. Union         | Box 115, Mbarara    |
| 97.  | Manager, Bugisu Co-op. Union                                  | Box 215, Mbale      |
| 98.  | Manager, West Co-op. Union                                    | Box 100, Soroti     |
| 99.  | Manager, Lango Co-op. Union                                   | Box 103, Lira       |
| 100. | Inspector of Works, Hoima                                     | Box 50, Hoima       |
| 101. | Inspector of Works, Masindi                                   | Box 36, Masindi     |
| 102. | - do - Arua   | Box 98, Arua        |
| 103. | " Fort Portal   | Box 19, Fort Portal |
| 104. | " Soroti  | Box 249, Soroti     |
| 105. | " Gulu  | Box 10, Gulu        |
| 106. | " Kitgum  | Box 108, Kitgum     |
| 107. | " Jinja<br>Elizabeth way                                      | Box 130, Jinja      |
| 108. | " Masaka  | Box 160, Masaka     |
| 109. | " Kabale  | Box 8, Kabale       |
| 110. | " Kampala   | Box 7122, Kampala   |
| 111. | " Entebbe   | Box 145, Entebbe    |
| 112. | Manager, Hoima Co-op. Union                                   | Box 60, Hoima       |
| 113. | Manager Masaka Co-op. Union                                   | Box 99, Masaka      |
| 114. | Medical Superintendent, Masaka Hospital                       | Box 18, Masaka      |

|      |   |                    |        |                     |
|------|---|--------------------|--------|---------------------|
| 115. | Manager, Hoima Co-op. Union             |                    |        | Box 60, Hoima       |
| 116. | Manager, Masaka Co-op. Union            |                    |        | Box 99, Masaka      |
| 117. | Medical Superintendent, Masaka Hospital |                    |        | Box 18, Masaka      |
| 118. | - do -                                  | Kabale             | "      | Box 7, Kabale       |
| 119. | "                                       | Mbarara            | "      | Box 40, Mbarara     |
| 120. | "                                       | Fort Portal        | "      | Box 10, Fort Portal |
| 121. | "                                       | Hoima              | "      | Box 5, Hoima        |
| 122. | "                                       | Lira               | "      | Box 2, Lira         |
| 123. | "                                       | Jinja Hospital     |        | Box 43, Jinja       |
| 124. | "                                       | Iganga             | "      | Box 245, Iganga     |
| 125. | "                                       | Tororo             | "      | Box 2, Tororo       |
| 126. | "                                       | Soroti             | "      | Box 289, Soroti     |
| 127. | Town Clerk, Rukungiri Municipal Council |                    |        | Rukungiri           |
| 128. | - do -                                  | Kasese             | "      | Kasese              |
| 129. | Town Clerk, Fort Portal                 | "                  | "      | Fort Portal         |
| 130. | - do -                                  | Hoima              | "      | Hoima               |
| 131. | "                                       | Arua               | "      | Arua                |
| 132. | "                                       | Soroti             | "      | Soroti              |
| 133. | "                                       | Tororo             | "      | Tororo              |
| 134. | "                                       | Iganga             | "      | Iganga              |
| 135. | "                                       | Kamuli             | "      | Kamuli              |
| 136. | "                                       | Jinja              | "      | Jinja               |
| 137. | "                                       | Mukono Town Board, | Mukono |                     |
| 138. | Manager, Cotton Gineries,               |                    |        | Tororo              |
| 139. | Manager, Cotton Gineries,               |                    |        | Soroti              |
| 140. | Manager, Cotton Gineries,               |                    |        | Lira                |





†PART B

(To be completed by the Employer)

I, \_\_\_\_\_  
of \_\_\_\_\_  
Recommend/do not recommend that \_\_\_\_\_  
an employee of this company, he given the Training indicated in this application. He/She has been employed  
by me/us as a \_\_\_\_\_  
for a period of \_\_\_\_\_

2. The following is the type of work on which he/she has been engaged and which has/has not been  
carried out satisfactorily (should be filled in as fully as possible—if necessary continued on a further sheet. If an  
employer is unable to recommend an applicant, the reasons should be clearly stated).

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3. Special areas in which Training should be emphasized: \_\_\_\_\_

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I/We confirm that I/we shall be liable for payment of fees, etc.

Signature \_\_\_\_\_

Position Held \_\_\_\_\_

Date \_\_\_\_\_

PART C

(Below this line is for Official use only)

---

He/She has been accepted/not accepted to start course on .....

Signed ..... Head of Section Date .....

Signed ..... Principal Date .....

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\*A candidate may be required to produce supporting evidence.  
‡Delete whichever is not applicable.



別添-14 訓練生受入れ決定通知のフォーム

VOCATIONAL TRAINING INSTITUTE, NAKAMA,  
MINISTRY OF LABOUR & SOCIAL AFFAIRS,  
P.O. BOX 20121,  
LUGOGO, KAMPALA.

Ref:.....

DATE:.....

.....  
.....  
.....  
.....

Dear Sir,

Re: UPGRADING TRAINING COURSES  
FRCP                      TC

|    | <u>NAME</u> | <u>COURSE TITLE AND TRADE</u> | <u>DURATION</u> |
|----|-------------|-------------------------------|-----------------|
| 1. | .....       | .....                         | .....           |
| 2. | .....       | .....                         | .....           |
| 3. | .....       | .....                         | .....           |
| 4. | .....       | .....                         | .....           |

I am pleased to inform you that the above named candidate(s) has/have been admitted for training scheduled to commence on \_\_\_\_\_

1. Tuition fees: shs.55,000/- per boarder per week.  
shs.39,000/- per non-boarder per week.
2. Registration fee: shs. 3,000/- per person.
3. Caution money: shs.10,000/- per trainee per course refundable after the course, and it has to be paid separately from Tuition fees.
4. Cheques should be made in the names of Directorate of Industrial Training.
5. All trainees should come with overall or overcoats, hand tools, drawing instruments, exercise books, bed sheets and blanket.

Yours faithfully,

G.K. Kurinanyire  
PRINCIPAL.

別添-15 現有機材リスト

LIST OF MACHINERY

MOTOR VEHICLE REPAIRING COURSE

| NO.  | DESCRIPTION   | SPECIFICATION   | REMARK           |
|------|---|---|------------------|
| A-1  | AUTO LIFT   | Lift capacity 4 ton<br>Stroke 1,600 mm<br>Cylinder bore 320 mm<br>Pressure 10 kg/cm <sup>2</sup>  | Not working      |
| A-2  | CAR WASHER  | Pump dia. 25 mm<br>Motor power 1.5 kw   | Not working      |
| A-3  | CYLINDER BORING MACHINE   | Capacity Bore min. 80 mm<br>Length 500 mm<br>Motor power 0.35 kw  | Working          |
|      | CYLINDER BORING MACHINE   | Capacity Bore max. 80 mm<br>Length 500 mm<br>Motor power 0.35 kw  | Working          |
| A-4  | CYLINDER HONING MACHINE   | Capacity 53--100 mm<br>Main shaft rotation 226,310 rpm<br>Main shaft stroke 0--310 mm<br>Motor power 0.75 kw  | Not working      |
| A-5  | FIN HOLE HONING MACHINE   | Capacity Bore 13--53 mm<br>Stroke 40--120 mm<br>Main shaft rotation<br>high speed 550 rpm<br>low speed 400 rpm<br>Motor power 0.2 kw  | Working          |
| A-6  | VALVE REFACTOR  | Chuck dia 6--13 mm<br>Chuck rotation 290 rpm<br>Chuck head driving motor 0.3 kw   | Not working      |
| A-7  | SURFACE GRINDER   | Wheel size 280 mm<br>Motor power grinder 1.15 kw<br>vacuum cleaner 0.2 kw   | Not working      |
| A-8  | BRAKE RELINER (MECHANICAL TYPE) (BONDING TYPE) (BRAKE RELINER) PORT POWER | Size 100 mm<br>Motor power 0.2 kw<br>Hydraulic power unit 10 ton  | Working<br>1 set |
|      |   | Round shape head, V-head<br>Toe shape head, Wedge-shape head, Flat head, Toe shape head for plunger,<br>Prolong pipe (125mm, 250mm 500mm, for each one)<br>Connector, Fender lamp, Ring, Chain, Lock pin.<br>Consumption. |                  |
| A-10 | STEAM CLEANER   | Water 230 l/hr<br>Fuel 6 l/hr<br>Fuel white kerosene  | Not working      |
| A-11 | PARTS CLEANER STAND   | All steel<br>Tank volume 270 l<br>(oil 120 l)<br>(water 87 l)<br>Motor power single phase 0.2kw<br>Size 1470 x 1530 x 700 mm  | Not working      |
| A-12 | MAGNETIC DETECTOR   | Working current 5 A   |                  |

LIST OF

COURSE

| NO.  | DESCRIPTION              | SPECIFICATION   | REMARKS      |
|------|--------------------------|---|--------------|
| A-13 | BRAKE TESTER             | Allowable weight<br>3,000 kg<br>Max. braking capacity<br>(per 1 wheel) 1,000 kg<br>Motor power<br>three phase 0.75kw                      | Working<br>" |
| A-14 | HEAD LIGHT TESTER        | Measuring illuminance<br>400 x 10 cd<br>Testing light height<br>500 x 1,300 mm  | Working      |
| A-15 | DYNAMIC WHEEL BALANCER   | Rotation 450 rpm<br>Motor power<br>single phase 0.2kw   | Not working  |
| A-16 | SIDE SLIP TESTER         | Allowable weight<br>6,000 kg<br>Testing capacity<br>(trede)<br>950---2,250 kg   | Working<br>" |
| A-17 | SPEED METER TESTER       | Capacity (weight)<br>5,000 kg<br>Space between 2 rollers<br>450 mm<br>Roller dia. x length<br>184.6x1,000mm                               | Working      |
| A-18 | SOUND LEVEL METER        | Testing capacity<br>60---120 phon   | Not working  |
| A-19 | AUTO ANALYSER            | Timing advance tester,<br>Cam angle tester,<br>Combustion tester,<br>Volt ampere meter and<br>stand.                                      | Working<br>" |
| A-20 | INJECTION PUMP TESTER    | Injection pump<br>max. 8 cylinder<br>Rotating speed<br>100---3,500rpm<br>r.p.m.<br>Motor power<br>three phase 3.7kw                       | Working      |
| A-21 | BATTERY CHARGER          | Silicon type<br>AC input single phase<br>DC output 75 v<br>Voltage regulation<br>6---75 v<br>Current 20 A                                 | Not working  |
| A-22 | AIR COMPRESSOR           | Cylinder<br>Bore x Stroke 70x75mm<br>No. of cylinder 3<br>Maximum pressure<br>10kg/cm <sup>2</sup><br>Air tank volume 230l<br>Air hose 10 | Working      |
| A-23 | UPRIGHT DRILLING MACHINE | Swing 560mm<br>Hole taper M.T.NC.4  | Working      |
| A-24 | DRILLING MACHINE         | Table working place<br>254 x 254mm  | Working      |
| A-25 | DOUBLE HEAD GRINDER      | Wheel 205 mm  | Working      |

SANITARY WARES AND KITCHEN EQUIPMENTS:

| NO  | DESCRIPTION           | SPECIFICATION | QUANTITY | REMARKS             |
|-----|-----------------------|---------------|----------|---------------------|
| 1.  | Water Closet          | C-21 @ 1      | 22 sets  | Not working         |
|     | Lower Tank            | S-31 @ 1      | 22 sets  |                     |
| 2.  | Lavatory              | L-230 D @ 2   | 18 sets  | Not working         |
| 3.  | Lavatory              | L-230 D @     | 1 set    | Not working         |
| 4.  | Wash Basin            | L-5           | 1 set    | working             |
| 5.  | Urinal                | U-37 @ 1      | 30 sets  | 20 sets not working |
| 6.  | Urinal Flush Valve    | K-60s @ 1     | 2 sets   | One set not working |
| 7.  | Hight Tank            | S-49 @ 1      | 7 sets   | very old            |
| 8.  | Slop Sink             | SLC-22A @1    | 2 sets   | working             |
| 9.  | Shower set            | TB-18-13      | 7 sets   | working             |
|     |                       | TB-10 Ky 13   |          |                     |
|     | Fancet                | K-31A 19      | 8 sets   | working             |
|     | "                     | K-36 19       | 4 sets   | working             |
|     | "                     | K-23B. 13     | 20 sets  | working             |
|     | "                     | K-30AR 13     | 1 set    | working             |
| 10. | Refrigerator          |               | 1 set    | Not working         |
|     | Dishsterilize Cabinet |               | 1 set    | Not working         |
| 11. | Tilting Pan           |               | 2 sets   | Not working         |
| 12. | Electric Range        |               | 1 set    | Not working         |
| 13. | Sink                  | 1200x750x800  | 1 set    | Not working         |
|     | Sink                  | 1500x750x800  | 1 set    | Not working         |
|     | Sink                  | 900x750x800   | 1 set    | Not working         |
|     | Sink                  | 2400x650x800  | 1 set    | Not working         |
|     | Sink                  | W/Drain Board | 1 set    | Not working         |
| 14. | Pan Rack              |               | 1 set    | Not working         |
| 15. | Electric Water Boiler | 775           | 3 sets   | 2 not working       |

| No  | Description              | Specification | Qty    | Remarks                          |
|-----|--------------------------|---------------|--------|----------------------------------|
| 15. | Electric water<br>Boiler | 1200          | 1 set  | Not working                      |
| 16. | Stainless steel          |               | 10 Pcs | Not working                      |
| 17. | Galvanised<br>sheet Iron | -//25         | 5 Pcs  | Not working                      |
|     | Galvanised<br>sheet Iron | -//24         | 38 Pcs | Not working                      |
|     | Hood                     | (W)           | 1 Pc   | Not working                      |
|     | Hood                     | (S)           | 2 Pcs  | Not working                      |
| 18. | Volume Dumper            | 400x220       | 2 Pcs  | Not working                      |
|     | Volume Dumper            | 400x260       | 1 Pc   | Not working                      |
|     | Packing                  |               | 1 Pc   | Not working                      |
|     | Exhaust out let          |               | 1 Pc   | Not working                      |
|     | Grille                   |               |        |                                  |
|     | Punching Grille          |               | 1 Pc   | Not working                      |
|     | Flange                   |               | 1 set  | Not working                      |
|     | Canvas                   |               | 2 Pcs  | Not working                      |
|     | Balts & Rivet            |               | 1 set  | Not working                      |
|     | Exhaust Blower           |               | 1 set  | Not working                      |
|     | Grease Filter            |               | 2 Pcs  | Not working                      |
|     | <u>OTHERS</u>            |               |        |                                  |
|     | Mirror                   |               | 29 Pcs | All broken                       |
|     | Glass shell              |               | 19 Pcs | Not in good working<br>condition |
|     | Sprinkle<br>Electrical   | W/Box         | 1 Pc   | Not working                      |
|     | Water heater             |               | 1 Set  | Not working                      |
|     | Expansion Tank           | 400x500x400   | 1 set  | Not working                      |
|     | Expansion Tank           | 400x800x500   | 1 Pc   | Not working                      |
|     | Transformer              |               | 1 set  | Not working                      |

LIST OF ITEM(S) IN THE AUDIOVISUAL AIDS ROOM Cont..

| NO.   | DESCRIPTION                                   | SPECIFICATION  | QTY | REMARKS   |
|-------|---|--|-----|---|
| AV-10 | Overhead Projectors<br>Model 213              | "JM"<br>serial No. 272365<br>" No. 272362<br>" No. 9533000 | 4   | In good working condition<br>bulb replacement required.                 |
| AV-11 | Movie Projector<br>(Sound Film)<br>Model FP-A | "8MM" Super<br>Film<br>serial No. 109535                   | 1   | Out of good working condition<br>motor belt                             |
| AV-12 | Slide Projector                               | "Kindermann"<br>telefocus                                  | 1   | replacement required<br>In good working condition.                      |
| AV-13 | Sound Movie Film<br>Projector                 | "15"mm Film  | 1   | In scrap form<br>out of working order.                                  |
| AV-14 | Duplicating<br>Machine                        | "Gestetner"<br>Model 420                                   | 1   | In good working condition<br>* Paper-Feed Pa<br>replacement required    |
| AV-15 | Episcope                                      | "V-Lyte III  | 1   | In good working condition.<br>* Lacks a projection bulb for replacement |
| AV-16 | ABC-Gil Stone                                 | Consumables  | 3   | In good useable condition   |
| AV-17 | Design Plates                                 | Plastic of<br>different shapes                             | 12  | In good working condition   |
| AV-18 | Projection<br>Screen (S)                      | White surface<br>mat                                       | 2   | "   |

LIST OF ITEM(S) IN THE-AUDIOVISUAL AIDS ROOM

COURSE

| NO.  | DESCRIPTION                          | SPECIFICATION                    | QTY | REMARKS                                      |
|------|--------------------------------------|----------------------------------|-----|--|
| AV-1 | Photo Copying Machine                | Rich BS-310<br>Serial No. 23065  | 1   | (work-)<br>Cut of good working order         |
| AV-2 | Phot Copying Machine                 | Ricoh Ricopy<br>Standard         | 1   | "  |
| AV-3 | Phot Copying Transformer             | Accessories                      | 1   | In good working condition                    |
| AV-4 | Photo Copying Materials              | Consumable inks & papers (Toner) | 0   | All used up out of stock                     |
| AV-5 | Eng./Technical Instruments           | "Any"<br>Curve Ruler(s)          | 8   | In good working condition                    |
| AV-6 | Eng./Technical Instruments           | "Hemmi"<br>Slide Rule(s)         | 5   | "  |
| AV-7 | Eng./Technical Geometrical Instr.    | "Staedtler"<br>Moris             | 2   | "  |
| AV-8 | Training-Learning Visual Material(s) | Projection (Slides) sets         | 4   | "  |
| AV-9 | Overhead Projector                   | "Elmo" Type HP-100<br>Serial No. | 1   | Requires replacement of Bulb.<br><br>/.....2 |

LIST OF ITEM(S) COMMON FOR ALL SECTIONS CCNE...

| NO.  | DESCRIPTION             | SPECIFICATION          | QTY | REMARKS   |
|------|-------------------------|------------------------|-----|---|
| C-11 | Carrier                 | Capacity 500kg         | 1   | <p><u>Note.</u> C-1 - C-22 None of the item(s) named on the list is/are available. Replacement order for new item(s) is ideal</p> |
| C-12 | Electrical pencil       | Power source<br>110v   | 1   |   |
| C-13 | Electric sander         | 100v                   | 1   |   |
| C-14 | Hand grinder            | 110v                   | 1   |   |
| C-15 | Spray gun               | Capacity 1 l           | 2   |   |
| C-16 | Electric soldering iron | 110vx150w              | 3   |   |
|      |                         | 110x500w               | 1   |   |
| C-17 | Soldering iron          | Weight 450 gr          | 5   |   |
| C-18 | Pipe cutter             | 1/8---2                | 1   |   |
| C-19 | Scale spring balance    | Weight 400g--8kg       | 1   |   |
| C-20 | Scale spring tention    | Weight 200g--4kg       | 1   |   |
| C-21 | Slide scale             | For trainee 25cm       | 20  |   |
|      |                         | For instructor<br>25cm | 10  |   |
| C-22 | Paper shear             | Length 540mm           | 1   |   |



LIST OF ITEM (S) COMMON FOR ALL SECTIONS

GENERAL AYA COURSE

| NO   | DESCRIPTION                             | SPECIFICATION   | QTY. | REMARKS   |
|------|---|---|------|---|
| C-1  | Electric Drill                          | Max. drilling capacity<br>6.5 mm  | 1    | Note: C-1 - C-22 None of the item (s) named on the list is/are available.<br>Replacement order for new item (s) is ideal. |
|      |   | Motor output 120 w  |      |   |
|      |   | Power source 110 v<br>50 c/s  |      |   |
|      |   | Revolution 2,200 rpm  |      |   |
|      | Drill attaching method<br>chuck No.1    | 1   |      |   |
|      | Max. drilling capacity<br>13mm          |   |      |   |
|      | Motor output 250 w                      |   |      |   |
|      | Power source 110 v<br>50 c/s            |   |      |   |
|      | Revolution 640 rpm                      |   |      |   |
|      | Drill attaching method<br>chuck No.2    | 1   |      |   |
|      | Max. drilling capacity<br>25 mm         |   |      |   |
|      | Motor output 1,000 w<br>415 v<br>50 c/s |   |      |   |
|      | Revolution 215 rpm                      |   |      |   |
|      | Drill attaching method<br>socket M.T. 3 |   |      |   |
| C-2  | Punch                                   | Alphabet punch 3 mm   | 2    |   |
|      |   | 6 mm  | 2    |   |
|      |   | Number punch 3 mm   | 2    |   |
|      |   | 6 mm  | 2    |   |
| C-3  | Wire                                    | 1 m (with ring)   | 4    |   |
|      |   | 2 m (with ring)   | 4    |   |
|      |   | Wire 30 m   | 2    |   |
| C-4  | Chain block                             | Capacity 2 ton  | 1    |   |
| C-5  | Fire pot                                | Petrol<br>Fuel tank capacity 3.5 l<br>Burner temperature<br>1,300 C                       | 1    |   |
| C-6  | Torch lamp                              | Petrol tank capacity 1 l<br>Fuel consumption 0.25 l/h<br>Temperature 1,200 C<br>2 Burners | 1    |   |
| C-7  | Steel tape measure                      | Measurable range 0 to<br>20m  | 2    |   |
| C-8  | Level                                   | Angle 2/100 200 x 200mm   | 1    |   |
|      |   | Flat type 2/100 200mm   | 1    |   |
|      |   | Wooden level 600mm  | 1    |   |
| C-9  | Scale spring balance                    | Max. measurable weight  | 1    |   |
| C-10 | Brush                                   | Large   | 200  |   |
|      |   | Medium  | 200  |   |
|      |   | Small   | 200  |   |

/.....2

LIST OF ITEM (S) IN DRAWING ROOM

ENGINEERING/TECHNICAL DRAWING COURSE

| NO.  | DESCRIPTION              | SPECIFICATION                       | QTY | REMARKS   |
|------|--------------------------|-------------------------------------|-----|---|
| D-1  | Drawing Instrument s set | 1 set=16 pcs.                       | 20  | Thirteen (13) out of the twenty (20) piece are broken and a replacement required.   |
| D-2  | Drawing Board            | 750 x 1050                          | 20  | Ten (10) out of twenty (20) boards are still in good working condition.   |
| D-3  | T-Scale                  | 1050 mm                             | 20  | Fifteen (15) out of the twenty (20) pieces are still in good working condition.   |
| D-4  | Curbing Scale            | 1 set = 12 pcs.                     | 20  | Replacement of a complete curbing scale set of 12 pieces required.  |
| D-5  | Flexible Rule            | 500 mm                              | 20  | Seven (7) pieces out of twenty (20) flexible rule are available for use and are still in good working condition   |
| D-6  | Triangle                 | 300 x 3 mm                          | 24  | Three (3) out of twenty four (24) triangle set are now still in good working condition. <u>Not</u> The rest of the pieces are bad and a replacement required. |
| D-7  | Ink (For Drawing)        | Black 60cc.                         | 21  | Consumable all used up required order of drawing ink.   |
| D-8  | Lead Sharpener           | Plastic                             | 24  | None is available out of the twenty-four (24) and a replacement required.   |
| D-9  | Oil Stone                | 75 mm                               | 20  | None is available out of the twenty-four (24) and a replacement required.   |
| D-10 | Oil (For oil Stone)      | 15 cc 1 dozen                       | 18  | Consumable all the oil stones are out of use in their shapes and pieces and a replacement required.   |
| D-11 | Feather Broom            |                                     | 20  | Consumable - all the twenty (20) feather brooms are out of use.   |
| D-12 | Drafter                  | 750 x 1050mm<br>Arm length<br>425x2 | 1   | It is in broken bits and pieces.<br><br>/.....2   |

LIST OF ITEM (S) IN DRAWING ROOM Contd:

NO.

| NO.  | DESCRIPTION      | SPECIFICATION  | QTY | REMARKS   |
|------|------------------|--|-----|---|
| D-13 | Drawing Desk     | Scale length<br>200 x 300mm  | 20  | Out of twenty desk<br>only six (6) are<br>still applicable.   |
| D-14 | Compass          | 500 mm   | 1   | Replacement requi<br>red  |
| D-15 | Protractor       | 600 mm   | 1   | Replacement requir<br>ed.   |
| D-16 | Triangle         | 600 mm   | 1   | Replacement requir<br>ed.   |
| D-17 | Printing Machine | 1.554x1.027x630mm<br>Max. copyable<br>width 1,000mm<br>Mercury lamp 1,700w | 1   | The machine is in<br>good working condi<br>tion but a replacem<br>ent of the elec<br>tric mercury lamp<br>required. |
| D-18 | Copying Machine  | 750x470x290mm<br>Capacity 480mm<br>Mercury lamp                            | 1   | Similar conditior<br>as in D-17.  |

LIST OF MACHINERY:

ELECTRICAL AND INSTALLATION FITTING COURSE

| NO  | DESCRIPTION                           | SPECIFICATION  | QUANTITY | REMARKS     |
|-----|---------------------------------------|--|----------|-------------|
| E-1 | High voltage panel for practice       |  | 1 side   | Not working |
| E-2 | Low voltage panel for practice        |  | 1 side   | Not working |
| E-3 | Equipment of insulation Tester        | Transformer<br>Single phase<br>5 KVA, 50 cycle   | 1 set    | Not working |
| E-4 | Control panel for Motor and Generator |  | 1 set    | Not working |
| E-5 | Induction voltage - Regulator         | Three phases<br>self capacity<br>(out put capacity)<br>10 KVA 415/0-455V<br>50HZ         | 1        | Not working |
| E-6 | Induction voltage Regulator           | Single phase self<br>capacity 3 KVA (out<br>put capacity 6 KVA)<br>240/240+ 240V         | 1        | Not working |
| E-7 | Rectifier                             | Silcon Type Out put<br>D C voltage 0-35V<br>capacity 1kw<br>Primary voltage<br>240V.     | 1        | Not working |
| E-8 | Transformer for practice              | Single phase - 5 KVA<br>6600/ - 415B   | 2        | One working |
| E-9 | Motor for practice                    | Three phase -<br>Induction type<br>415V, 2,2KW 6 pole<br>Three phase -<br>Induction type | 3        | Not working |

| NO   | DESCRIPTION                                   | SPECIFICATION   | QUANTITY | REMARKS     |
|------|---|---|----------|-------------|
| E-9  |   | 415V, 0.37KW  | 1        | Not working |
|      |   | Three phase -<br>Induction type                                       | 1        | Not working |
|      |   | 415V, 5.5KW<br>6 pole   |          |             |
|      |   | Single phase<br>Repulsion started                                     | 1        | Not working |
|      |   | type 415V, 0.37KW<br>Single phase,<br>squirrel induction              | 1        | Not working |
|      |   | motor. 240V 0.3KW,<br>4 pole  |          |             |
|      |   | Single phase,<br>Condenser started                                    | 1        | Not working |
|      |   | type 240V, 0.37KW<br>4 pole   |          |             |
| E-10 | Winding Machine                               | Lather type - winding<br>machine for pole                             |          |             |
|      |   | Transformer -with<br>three phase - Indu-<br>ction motor               | 1        | Working     |
|      |   | Hand type winding<br>machine for Trans-                               | 2        | Not working |
|      |   | former,<br>Hand type, - winding                                       | 2        | Not working |
|      |   | machine for motor   |          |             |
|      |   | Hand type, - winding<br>machine for motor                             | 1        | Not working |
| E-11 | Portable D C Volt-<br>age meter               | Moving coil type,<br>0.3/1/3/10V<br>3/10/30/100V                      | 2<br>2   | Not working |
| E-12 | Portable D C Volt-<br>age and Ampere<br>meter | With moving coil<br>type 1.7 Range<br>1/3/10/30/100/300<br>1/3/10/30A | 5        | One working |

| NO.  | DESCRIPTION                   | SPECIFICATION   | QUANTITY | REMARKS     |
|------|-------------------------------|---|----------|-------------|
| E-13 | AC. Volt and Ampere Meter     | Moving - iron type<br>13 range, 0.5/3/7.5/<br>15/30A<br>30/75/150/300/750V  | 5        | One working |
| E-14 | WATT METERS                   | Single phase,<br>and three phase<br>240/415V 2.5/5A<br>240/415V 5/10A   | 2<br>2   | Not working |
| E-15 | Allimighty power factor meter | 240/415V 1/2A   | 1        |             |
| E-16 | Frequency Indicator           | Indicator type<br>45-65HZ   | 1        | Not working |
| E-17 | Hand Tachometer               | Electricity type<br>500/1,000/2,000/<br>5,000 r.p.m   | 1        | Not working |
| E-18 | D C Reflecting Galvanometer   | Sensitivity, 2x10<br>-10A/MM Internal<br>resistance 1100 ohm<br>External critical<br>resistance 15 K-ohm<br>- Lamp voltage.<br>A C 240, | 1        | Not working |
| E-19 | D C Potentio meter            | Allowable error<br>±0.1% 10mV, 0.01-<br>11.11mV.<br>Cell. FM 4  | 1        | Not working |
| E-20 | Wheat Ston Bridge             | Allowable error<br>100. ohm-100.<br>K110-ohm.<br>Measuring Range<br>1 ohm-11.11 meter<br>ohm Measuring<br>arm. 1000 ohmx10+<br>400.     | 2        | Not working |

| NO   | DESCRIPTION       | SPECIFICATION   | QUANTITY | REMARKS     |
|------|-------------------|---|----------|-------------|
| E-20 |                   | ohmx10+ 10. ohmx<br>10.+1.ohmx10 Cell<br>un-1 3 piece,  | 2        | Not working |
| E-21 | Double Bridge     | Allowable error-<br>(10.5% + 5x10<br>- Ohm).<br>Measuring Range<br>0.1 Mill ohm -11<br>ohm, multiplying<br>factor x0.01x0.1,<br>x1,x10,x100<br>Measuring arm.<br>0.01-0.11 ohm  | 1        | Not working |
| E-22 | Kohlrausch Bridge | Measuring range<br>0.001-10,000 ohm<br>Measuring frequency<br>700-1KHZ, Cell.<br>UH-1 2 piece   | 1        | Not working |
| E-23 | Synchroscope      | Input 240V<br>Braun tube. 5UP1<br>-P 130 M/M<br>standard type.<br>Vertical amplifi-<br>cation Sensitivity<br>0.1-30V/cm<br>frequency band<br>D C -2MH Z<br>Horizontal amplifier<br>Sensitivity 3V/cm<br>over frequency - band<br>D C - 300 KHZ Input<br>impedance 100K -ohm<br>50 Hz under, | 2        | Not working |

| NO   | DESCRIPTION                      | SPECIFICATION   | QUANTITY | REMARKS     |
|------|----------------------------------|---|----------|-------------|
| E-24 | Flux Meter                       | Measuring range<br>$\pm 100 \times 10^4$ - Maxwell<br>Turn - multiplying<br>factor $1 \times 2 \times 5 \times 10 \times 100$<br>$\times 1000$ allowable<br>error 1 Ohm 1 ohm<br>10 ohm 100 ohm 1K<br>ohm 10K - ohm | 1        | working     |
| E-25 | Standard Resistance              | 1 ohm, 10 ohm,<br>100 ohm 1K - ohm<br>10 -K-ohm   | 1        | Not working |
| E-26 | D.C. Bridge type<br>Resistance   | 0.01 - 1.1111 ohm<br>allowable error<br>0.01 ohm $\pm 2\%$ and<br>100 ohm $\pm 0.02\%$  | 1        |             |
| E-27 | Filter for prac-<br>tice         | Element inductor<br>29.8 - 478mH<br>Capacitor 0.05C<br>- 1.33UF Input<br>impedance 600<br>ohm   | 1        | Not working |
| E-28 | Measuring Apparatus<br>for level | In put of - primary<br>240V, 20 -HZ<br>-20HZ Measuring<br>range 100 - 1000<br>-50+30d Bm  | 1        | Not working |
| E-29 | Distortion factor<br>Meter       | In put of primary<br>240V, 20HZ<br>Measuring range<br>0.1% - 100%<br>6 range.   | 1        | Not working |



| NO   | DESCRIPTION                                    | SPECIFICATION   | QUANTITY | REMARKS     |
|------|--|---|----------|-------------|
| E-30 | Equipment of Experimentation for power circuit | In put primary<br>240V Experimental<br>item.<br>i) system of<br>rectifier circuit<br>ii) Contact of<br>smoothing circuit<br>etc   | 1        | Not working |
| E-31 | Electric Source of Eliminator                  | Input 240V+10V<br>stability, within<br>$4 \times 10^{-4}$<br>i) Vacuum tube type<br>output - D C<br>0-500V.<br>50MA ripple<br>ii) Transistor<br>type primary 240V<br>+10V output D C<br>current 0-30V,<br>1.3A stability,<br>within $2 \times 10^{-3} \pm 10mV$ | 1        | Not working |
| E-32 | Signal Generator                               | Input 240V 100KHZ<br>-50MH Z<br>A. Band 100-250KHZ<br>B. " " 250-600KHZ<br>C. " " 600-1600KHZ<br>D. " " 1.6-4.5MHZ<br>E. " " 4.5-12MEZ<br>F. " " 12-30MHZ   | 1        | Not working |
| E-33 | Valve Volt Meter                               | Input 240V.10HZ<br>-3HZ<br>A.C Voltage 1.5<br>+500V<br>D C Voltage 1.5<br>-1500V<br>D.C Current 0.5-500MA<br>Resistance 0.2 ohm<br>-1000m   | 1        | Not working |

| NO   | DESCRIPTION                      | SPECIFICATION  | QUANTITY | REMARKS     |
|------|----------------------------------|--|----------|-------------|
| E-34 | Avometer                         | ohm<br>Allowable error<br>within $\pm 5\%$<br>Resistance 2K/200K/<br>20M-ohm Voltage<br>AC 3/12/30/120/300/<br>1.200V  | 10       | Not working |
| E-35 | Earthing Resistance Meter        | Measuring range<br>0-10-100.1000-ohm<br>Earthing Voltage<br>0-30V  | 1        | Not working |
| E-36 | Slide Resistance                 | Current 0.2A<br>Resistance 5K ohm.   | 1        |             |
|      |                                  | 0.6A 230 ohm   | 1        |             |
|      |                                  | 1.2A 55 ohm  | 1        | Not working |
|      |                                  | 2.0A 21 ohm  | 1        |             |
|      |                                  | 3.0A 7 Ohm   | 1        |             |
| E-37 | Standard Variable Inductance     | Self Induction<br>15 mMH - 100MH<br>Mutual Induction<br>0-20MH<br>Exactly degree at<br>1KHZ, Max 0.5%<br>Self - Induction,<br>150MH - 1H Mutual<br>Induction 0-200MH | 1        | Not working |
| E-38 | Standard Variable Mica Condenser | 4 Dial 0-1.111 Micro<br>- F smallest step<br>100OFF  | 1        | Not working |
| E-39 | Broad-Band oscilator             | Out put voltage<br>7.75V<br>10KHZ, error<br>$\pm 2\pm 0.2\%$<br>Distortation factor<br>20KHZ-30KHZ<br>30KHZ-100KHZ, under<br>0.2%.                                   | 1        | Not working |

| N<br>NO         | DESCRIPTION               | SPECIFICATION  | QUANTITY | REMARKS         |
|-----------------|---------------------------|--|----------|-----------------|
| E-39            |                           | Output impedance<br>600 ohm attenuator<br>60dB, 10dB step<br>power source,<br>240V 80VA  |          |                 |
| E-40            | Load Resistance           | Single phase-2.4kW<br>240V: (10A)  | 2        | Not working     |
| E-41            | Resistance Attenuator     | Frequency 0-150KHZ<br>characteristic<br>impedance 600 ohm<br>Attenuation 0-121dB<br>Variable extent,<br>10.1dBx10, 1dBx10,<br>10dBx5, 50dBx1 | 1        | Not working     |
| E-42            | Potential Transformer     | Primary 240/415/2200/<br>33000V<br>Secondary, 0-19V0.  | 2        | One not working |
| E-43            | Current Transformer       | Primary 0.5/0.75/1/1.5<br>/2/3/5/10/15/20/30/<br>50/75/100A  | 2        | Not working     |
| <del>E-44</del> | <del>Drying Furnace</del> | Three-phase---415<br>Secondary 5A, 15VA<br>with stand voltage<br>1500V   |          |                 |
| E-44            | Drying Furnace            | Three phase - 415V<br>10KW.<br>Bimetalic type 0-150°C<br>Internal volume 1,000x<br>1,000x1,000   | 1        | Not working     |
| E-45            | Bench Drilling Machine    | Measure of table for<br>work surface 2.54x254mm  | 1        | Working         |
| E-46            | Double head Grinder       | Wheel size 205mm 300-<br>3600 rpm with 400W<br>dust blower   | 1        | Working         |

| NO   | DESCRIPTION                   | SPECIFICATION   | QUANTITY | REMARKS     |
|------|-------------------------------|---|----------|-------------|
| E-47 | Transistor Tester             | Vertical synchronising 10 10micro<br>A-1A/div 16 range<br>VB 0.01-0.5V/div<br>6 range<br><br>Horizontal synchronising VB<br>0.01-20V div 6<br>range current<br>step 1 Micro<br>4-200 mA/step<br>17 range power<br>voltage step<br>0.01-0.2V/step<br>11 range power<br>source, 240V 50HZ | 1        | Not working |
| E-48 | Synchroscope                  | Input 240V Brown<br>tube 5Bk2<br>Vertical amplification<br>Sensitivity 0.05<br>-50V/cm<br>Frequency band,<br>D.C 50 MHz-3DB<br>Input impedance<br>1 M ohm 30 pf<br>under etc  | 1        | Not working |
| E-49 | Insulation Resistance Meter   | Regular voltage<br>1.100V Regular<br>Resistance 2.000M-ohm  | 1        | Not working |
| E-50 | Insulation Resistance Meter   | Useful range 2-2000<br>M-ohm<br>Regular resistance<br>50 M -<br>ohm Useful range<br>0.05-50M - ohm  | 1        | Not working |
| E-51 | Ac. Ampere Meter<br>for Line  | Maximum scale<br>25/50A, 50/100A/<br>100/200A, 150/300A<br>Gap of ct, 20mm<br>Maximum voltage<br>for circuit 1.1,<br>1,000V withstand<br>voltage 20,000V<br>ii  | each 1   |             |
|      |                               |   | Total 4  | Not working |
| E-52 | Portable Illumino<br>Meter    | Measuring range<br>0-300/0-3000Lx<br>Allowable error<br>15%   | 1        | Not working |
| E-53 | 4 Dial Variable<br>Resistance | Extent of resistance<br>0.1-1.111 ohm,<br>1M step 0.1 ohm<br>10+10 ohm x 10+100<br>ohm x 10<br><br>Allowable error<br>(0.15-3)%   | 3        | One working |

| NO   | DESCRIPTION                        | DETAILS  | QUANTITY   | REMARKS                        |
|------|------------------------------------|--|------------|--------------------------------|
| E-54 | D C stopper type<br><br>Resistance | Extent of Resistance<br>0.01-1.111 ohm<br>(0.01 ohmx10+1<br>ohmx10)<br>Allowable error<br>0.01 ohm+2% and<br>100.0 ohm+0.02%<br>within.<br>Allowable current<br>at 0.01 ohm 5A, at<br>100 ohm 0.06A    | 1          | Not working                    |
| E-55 | D C Volt and<br>Ampere Meter       | 0.15/0.3/0.75/1.5/<br>3/7.5/15/30/30/75/<br>150/1300/750/V   | 5          | One working                    |
| E-56 | D C Volt and<br>Ampere meter       | 1/3/10/30/100/300/MA<br>1/3/10/30A<br>3/10/30/100/300/1000V  | 3          | One working                    |
| E-57 | Variable Induc-<br>tance           | Self-Induction<br>1.0 ohm-1.5MH  | 1          | Not working                    |
| E-58 | Standard DC Volt-<br>age           | Mutual induction -<br>+ 0-2mH<br>Voltage range<br>0-11.999V<br>10V range 0-11<br>999V<br>1 Range 0-1.999mA<br>100mV range, 10-119.99mA<br>10mA range -0-1.1.999mA<br>1mA range 0-1.1 999mA             | 1          | Not working                    |
| E-59 | Transformer for<br>practice        | Primary, 12000/11500/<br>11000/10500/10000V<br>Secondary, 435/415/395V<br>Self cooled type<br>1KV.   | 1          | Not working                    |
| E60  | Motor for practice                 | DC Shunt Motor,<br>0.75kW 240V,<br>1500 rpm 2 pole<br>three phase<br>synchronous<br>Motor, 0.75kW<br>415 4 pole<br>50HZ<br><br>Three phase - squirrel<br>cage induction<br>Motor, 1.5kW<br>415, 4 pole | 1<br><br>1 | Not working<br><br>Not working |
| E-61 | Low Frequency<br>Oscillator        | Power source, 240V,<br>50HZ - frequency range,<br>20HZ -200KHZ KHZ frequen-<br>cy scale, 200KHZ-20KHZ<br>20KHZ-200HZ 200HZ-20HZ<br>Output, 10V (160MW)<br>600 ohm                                      | 1          | Not working                    |

LIST OF MACHINERY WELDING AND FLAME CUTTING

| NO. | DESCRIPTION                              | SPECIFICATION  | QTY. | REMARKS                         |            |                          |      |
|-----|--|--|------|---------------------------------|------------|--------------------------|------|
|     |  |  |      | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGES<br>BEYOND REPAIR | USED |
| W-1 | Electrode Dryer                          | Cutter 645(w) x 870<br>(H) x 810(d)mm<br>Inner 505 x 530 x 570<br>Normal Temperature<br>120 - 300°C<br>Max Temperature 400°C<br>Max Consumption power<br>4.8Kw | 1    |                                 |            | 1                        |      |
| W-2 | A.C. Arc Welder                          | Rated Current 300A<br>Input 18.5KVA  | 5    | 3                               | 2          |                          |      |
| W-3 | D.C. Arc Welder                          | Silicon rectifier<br>Rated current 300A<br>Input 23KVA   | 1    | 1                               |            |                          |      |
| W-4 | Spot welder                              | Condenser type<br>Power source capacity<br>(single phase)2.5KVA  | 1    |                                 | 1          |                          |      |
| W-5 | Portable Spot<br>Welder<br>4FO           | Condenser type<br>Rated current<br>(Single phase)2.5KVA<br>Condenser Capacity<br>13,500Cu <sup>3</sup>   | 1    |                                 | 1          |                          |      |
| W-6 | CO <sup>2</sup> Arc Welder               | In put rated capacity<br>15KVA<br>Cut put rated current<br>300A<br>Cut put rated voltage<br>32V  | 1    |                                 |            | 1                        |      |
| W-7 | Automatic Gas<br>Cutting Machine         | Cutting thickness<br>3-60mm<br>Cutting speed<br>50-75mm/min  | 1    | 1                               |            |                          |      |
| W-8 | Moving type<br>Acetylene<br>Gas producer | Gas oxide<br>Gas occurrence volume<br>250 l/hr<br>Carbide volume 4kg   | 3    |                                 | 2          | 1                        |      |
| W-9 | Double Head<br>Grinder                   | Grinding Wheel<br>Size 205mm<br>300-3-, 600 r.p.m.   | 1    |                                 | 1          |                          |      |

LIST OF TOOLS - WELDING AND FLAME CUTTING

| NO.  | DESCRIPTION                          | SPECIFICATION | QTY.   | REMARKS                   |             |                       | USED |
|------|--------------------------------------|---------------|--------|---------------------------|-------------|-----------------------|------|
|      |                                      |               |        | GOOD OR RUNNING CONDITION | UNAVAILABLE | DAMAGES BEYOND REPAIR |      |
| W-1  | Acetylene regulator                  | English type  | 7      | 4                         |             | 3                     |      |
| W-2  | Welding torch                        | - do -        | 5      | 4                         |             | 1                     |      |
| W-3  | Cutting torch                        | "             | 7      | 2                         |             | 5                     |      |
| W-4  | Oxygen Gas Horse                     | 15 m          | 5      | 3                         |             | 2                     |      |
| W-5  | Acetylene Gas Horse                  | 15 m          | 5      | 5                         |             |                       |      |
| W-6  | Lighter                              |               | 5      |                           |             | 5                     |      |
| W-7  | Oxygen regulator                     | English type  | 5      |                           |             | 5                     |      |
| W-8  | Head helmet                          |               | 5      | 5                         |             |                       |      |
| W-9  | Hand shield                          |               | 5      | 5                         |             |                       |      |
| W-10 | Welding Groves                       | Gas, Arc      | 5      | 5                         |             |                       |      |
| W-11 | Shield cover glass<br>Welding goggle |               | 200    |                           |             | 200                   | 20   |
| W-12 | Hand cover                           |               | 5      | 5                         |             |                       |      |
| W-13 | Foot cover                           |               | 5      | 5                         |             |                       |      |
| W-14 | Apron                                |               | 6      | 6                         |             |                       |      |
| W-15 | Shield board                         | 1000 x 1000mm | 5      | 5                         |             |                       |      |
| W-16 | Gas round cutting jig                |               | 2      | 2                         |             |                       |      |
| W-17 | Co <sup>2</sup> Welding regulator    |               | 4      | 2                         |             |                       |      |
| W-18 | Cable with Jcint                     | 38mm x 2m     | 5      | 3                         |             |                       |      |
| W-19 | Welding Arc holder with cable        |               | 10 pcs |                           |             |                       | 10   |
| W-20 | Gas Cylinder carrier                 |               | 2      | 2                         |             |                       |      |

LIST OF TOOLS - WELDING AND PLATE CUTTING

( USED )

| NO.  | DESCRIPTION                         | SPECIFICATION                                       | QTY.  | REMARKS                   |            |                       |       |
|------|-------------------------------------|---|-------|---------------------------|------------|-----------------------|-------|
|      |                                     |   |       | GCCD OR RUNNING CONDITION | REPAIRABLE | DAMAGES BEYOND REPAIR |       |
| W-21 | Gas Key                             | English type  | 10    |                           |            | 10                    |       |
| W-22 | Vice                                | 125mm   | 5     | 1                         |            |                       |       |
| W-23 | V Blocks                            | 100 x 67 x 35<br>50 x 32 x 20                       | 2     | 2                         |            |                       |       |
| W-24 | Hammer                              | 1 lb  | 9     | 5                         |            | 4                     |       |
| W-25 | Hammers                             | 2 lbs   | 2     | 1                         |            | 1                     |       |
| W-26 | Big hammer or slage                 | 10 lbs  | 2     | 2                         |            |                       |       |
| W-27 | Steel cutting chisel<br>- do -<br>" | 22 x 200 . Flat<br>19 x 190 . Flat<br>13 x 160 Flat | 10    |                           |            |                       | 10    |
| W-28 | File square                         | 300mm square<br>300mm round                         | 5 set |                           |            |                       | 5 set |
| W-29 | Screw driver                        | 4 in.   | 3     |                           |            |                       | 3     |
| W-30 | Hack Saw Flame                      | Flexible type 300mm                                 | 3     |                           |            |                       |       |
| W-31 | Chipping Hammer                     |   | 2     | 2                         |            |                       |       |
| W-32 | Gas Hose Clips                      | 20mm  | 10    |                           |            |                       | 10    |
| W-33 | Wire brush                          |   | 20    |                           |            |                       | 20    |
| W-34 | Pair of Scissors                    | 300mm   | 1     |                           |            |                       | 1     |
| W-35 | Pliers                              | 150mm   | 2     | 1                         |            | 1                     |       |
| W-36 | Cutting Pliers                      | 175mm   | 2     | 2                         |            |                       |       |
| W-37 | Steel bending plate                 | 450mm   | 1     |                           |            |                       |       |
| W-38 | Round bending wood Bl               | 360mm   | 1     |                           |            |                       |       |
|      | Square bending wood block           | 360mm   | 1     |                           |            |                       |       |
| W-39 | Straight square                     | 150mm   | 5     | 5                         |            |                       |       |
| W-40 | Screpur scriber                     |   | 10    |                           |            |                       | 10    |
| W-41 | Centre Punch                        | 13"x 140mm  | 10    | 1                         |            |                       | 9     |



LIST OF ECCLS - WELDING AND FLAKE CUTTING:

| NO.  | DESCRIPTION           | SPECIFICATION     | QTY. | REMARKS                   |            |                       |      |
|------|-----------------------|-------------------|------|---------------------------|------------|-----------------------|------|
|      |                       |                   |      | GOOD OR RUNNING CONDITION | REPAIRABLE | DAMAGES BEYOND REPAIR | USED |
| W-42 | Adjustable spanners   | 300mm             | 1    |                           |            |                       | 1    |
|      | - do -                | 150mm             | 1    |                           |            |                       | 1    |
|      | "                     | 250mm             | 1    |                           |            |                       | 1    |
| W-43 | Beam Compass          | 1000mm            | 1    | 1                         |            |                       |      |
| W-44 | Devicer               | 250mm             | 10   | 6                         |            |                       | 4    |
| W-45 | Wood hammer           | 60                | 5    |                           |            |                       | 5    |
| W-46 | Holding Pliers        | 210mm             | 5    | 5                         |            |                       |      |
| W-47 | Anvil                 | 100kg.            | 1    | 1                         |            |                       |      |
| W-48 | Swage Block           | 100mm x 300mm     | 1    | 1                         |            |                       |      |
| W-49 | Tongs square          | 400mm             | 2    | 2                         |            |                       |      |
| W-50 | Tongs Flat            | 400mm             | 2    | 2                         |            |                       |      |
| W-51 | Tongs Round           | 400mm             | 2    | 2                         |            |                       |      |
| W-52 | Vernier               | 150mm             | 5    | 3                         |            |                       |      |
| W-53 | Tip Cleaner Stainless |                   | 7    |                           |            |                       | 7    |
| W-54 | Steel rule            | 600mm             | 5    | 5                         |            |                       |      |
| W-55 | Square                | 500mm             | 10   | 6                         |            |                       | 4    |
| W-56 | Clamp meter           |                   | 1    |                           |            | 1                     |      |
| W-57 | Chipping hammers      | for Arc           | 10   | 2                         |            |                       | 8    |
| W-58 | Surface plate         | 600 x 450 x 100mm | 3    | 2                         |            |                       | 1    |
| W-59 | Welding tip           | No.1-7            | 5    | 4                         |            |                       | 1    |
| W-60 | Cutting tip           | No.1-3            | 5    | 3                         |            |                       | 2    |

LIST OF MACHINERY - SHEET METAL

| NO. | DESCRIPTION                      | SPECIFICATION   | QTY. | REMARKS                         |            |                            |      |
|-----|----------------------------------|---|------|---------------------------------|------------|----------------------------|------|
|     |                                  |   |      | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGE<br>BEYOND<br>REPAIR | USED |
| S-1 | Power shearing                   | Shearing thickness:<br>45mm or more<br>Shearing length:<br>2000mm or more<br>Electric motor 3.7 kw.                               | 1    |                                 | 1          |                            |      |
| S-2 | Foot Shear                       | Shearing thickness:<br>1.6mm or more<br>Shearing Length: 1,300mm<br>or more   | 1    |                                 | 1          |                            |      |
| S-3 | Hand Rubber Shear                | Shearing thickness:<br>6.0mm or more<br>Shearing<br>Length:<br>220mm or more  | 1    |                                 | 1          |                            |      |
| S-4 | Shearing Machine<br>French Curve | Thickness of plate<br>5 mm<br>Shearing thickness:<br>4mm (inside)<br>Shearing & Bending<br>Thickness 2.3mm                        | 1    |                                 | 1          |                            |      |
| S-5 | Universal Bending<br>Machine     | Bending capacity:<br>length x thickness<br>3.2mm x 2000mm<br>capacity 55 tons<br>overall<br>Length of Bed ram<br>2000mm           | 1    |                                 | 1          |                            |      |
| S-6 | Crank-Press                      | Capacity: 60 tons<br>Ram stroke: 80mm<br>stroke of No.50 s.p.m.<br>Ram oil table - 280mm<br>Table 800 x 460mm                     | 1    |                                 | 1          |                            |      |
| S-7 | Screw Hand Press                 | Diameter of thr. 70mm<br>Curves 250mm<br>Open height 250mm<br>Ram stroke 140mm<br>Shank Diameter Hole 25.4mm<br>Table 380 x 390mm | 1    |                                 | 1          |                            |      |

| NO.  | DESCRIPTION                 | SPECIFICATION   | QTY. | REMARKS                |            |                       | SET |
|------|-----------------------------|---|------|------------------------|------------|-----------------------|-----|
|      |                             |   |      | GOOD RUNNING CONDITION | REPAIRABLE | BEYOND REPAIR DAMAGED |     |
| S-8  | Three Roll machine          | Shearing bending thickness 6.0 x 1300mm<br>Diameter of roll 110 x 90mm<br>Electric motor 1.5 Kw | 1    |                        | 1          | 1                     |     |
| S-9  | High Speed Grinding Stone   | Size 1.550 x 850 x 600mm<br>Grinder stone 455 x 3.0 x 25mm<br>Capacity of cutting 75mm          | 1    |                        | 1          |                       |     |
| S-10 | Electric Grinding Machine   | Swivelling speed 3,000 x 3,600 e.p.m.<br>Electric Motor 0.4 Kw.                                 | 2    | 1                      | 1          |                       |     |
| S-11 | Bench type Drilling Machine | Swing 360mm<br>Spindle stroke 80mm<br>output 200 Kw.  | 1    |                        |            | 1                     |     |
| S-12 | Air Compressor              | Press 7-11 Kg/cm <sup>2</sup><br>Type cs-207-1<br>Electric motor 0.75/Kw                        | 1    |                        | 1          |                       |     |
| S-13 | Sting Roller                | Depth of gap 450mm<br>thickness of Plate 1.0m/m   | 1    | 1                      |            |                       |     |
| S-14 | Upright Drilling Press      | Maximum distance 560mm<br>Diameter of table 530mm<br>Item No.M.P. No.4                          | 1    |                        | 1          |                       |     |

LIST OF MACHINERY/TOOLS - SHEET METAL

| NO.  | DESCRIPTION        | SPECIFICATION  | QTY.  | REMARKS |                   |            |                       |      |
|------|--------------------|--|-------|---------|-------------------|------------|-----------------------|------|
|      |                    |  |       | GOOD CR | RUNNING CONDITION | REPAIRABLE | DAMAGES BEYOND REPAIR | USED |
| S-1  | Press die          | Ash - tray   | 1set  |         |                   |            | 1                     |      |
| S-2  | Electric blower    | 75mm x 206 x 3500mm  | 1     | 1       |                   |            |                       |      |
| S-3  | Micrometer         | Accuracy 0.01mm<br>0-25mm 25-50mm  | 3     | 3       |                   |            |                       |      |
| S-4  | Vernier Caliper    | With depth gauge<br>150mm<br>300mm<br>20mm   | 5     |         |                   |            |                       | 5    |
| S-5  | Steel Tape scale   | 20m  | 1     | 1       |                   |            |                       |      |
| S-6  | Bevel Protractor   | Type 4950-D  | 1     | 1       |                   |            |                       |      |
| S-7  | Calipers           | For marking off<br>150mm, 300mm  | 10pcs | 4       |                   |            | 4                     |      |
| S-8  | Calipers           | Hole dia. 200mm<br>Outside dia. 200mm  | 5     | 3       |                   |            | 4                     |      |
| S-9  | Spring calipers    | 250mm  | 5     | 4       |                   |            | 1                     |      |
| S-10 | Steel Beam Frammel | 1500mm   | 1     | 1       |                   |            |                       |      |
| S-11 | Surface gauge      | (Heighter gauge) 250mm   | 1     | 1       |                   |            |                       |      |
| S-12 | Surface plate      | 1000 x 1200 x 140mm  | 2     | 2       |                   |            |                       |      |
| S-13 | V. Block           | A Type 50 x 32<br>20 + $\frac{1}{100}$ mm<br>100 x 60 x 35 + $\frac{1}{100}$ mm                                | 4set  | 4       |                   |            |                       |      |
| S-14 | Drill stand        | 0.5 - 13mm   | 2     |         |                   |            |                       |      |
| S-15 | Drills             | 0.5mm, 1.0mm, 1.5mm,<br>2.0mm, 2.5mm, 3.0mm,<br>3.5mm, 4.0mm, 4.5mm,<br>5.0mm, 5.5mm, 6.0mm                    |       |         |                   |            |                       |      |
|      | Drills             | 6.5mm, 7.0mm, 7.5mm,<br>8.0mm, 8.5mm, 9.0mm,<br>10.0mm, 10.5mm, 11.0mm,<br>11.5mm, 12.0mm, 12.5mm,<br>13.0mm   |       |         |                   |            |                       |      |
| S-16 | Hand Taps          | $\frac{1}{8}$ ", 3/16", $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ",<br>$\frac{5}{8}$ ", $\frac{3}{4}$ " | 1 pc  |         |                   |            |                       |      |

LIST OF TOOLS - SHEEP PERAL

| NO.  | DESCRIPTION          | SPECIFICATION   | QTY.           | REMARKS |                   |            |                       |
|------|----------------------|---|----------------|---------|-------------------|------------|-----------------------|
|      |                      |   |                | GOOD OR | RUNNING CONDITION | REPAIRABLE | DAMAGES BEYOND REPAIR |
| S-17 | Dies Taps            | $\frac{1}{8}$ " , $\frac{3}{16}$ " , $\frac{1}{4}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ "<br>$\frac{5}{8}$ " , $\frac{3}{4}$ " | 1 pc           |         |                   |            | 1                     |
| S-18 | Tap Wrench           | Type No.0 6mm<br>No.6 19mm  | 1 "            | 1       |                   |            |                       |
| S-19 | Dies Handle          | (Type 20mm, 25mm,<br>38mm   | 1              |         |                   |            | 1                     |
| S-20 | Hand Tap             | Type: (mm) M3 0.5<br>M5 0.8<br>M7 1<br>M10 1.5<br>M12 1.75  | 1              |         |                   |            | 1                     |
| S-21 | Dies                 | M3 0.5<br>M5 0.8<br>M7 1<br>M10 1.5<br>M12 1.75   | 1              | 1       |                   |            |                       |
| S-22 | Drill Sleeve         | Ordinary type:<br>No.3 x 4<br>No.1 x 2<br>No.2 x 3  | 1pc.           |         |                   |            | 1                     |
| S-23 | Drill drafter        | No.2, 3   | 1pc.           |         |                   |            | 1                     |
| S-24 | Hack saw frame       | 200-300mm   | 2pcs           |         |                   | 1          |                       |
| S-25 | Wrench (Double open) | A type set of 6 pcs   | 1set           |         |                   |            | 1                     |
| S-26 | Wrench (Adjustable)  | Ordinary type: 150mm<br>(200mm<br>(300mm  | 2pcs<br>3<br>5 |         |                   |            | 2<br>5<br>3           |
| s-27 | Pipe Wrench          | Ordinary type: 250mm<br>450mm   | 2pcs           |         |                   |            | 2                     |
| S-28 | Plier                | Ordinary type: 150mm<br>250mm   | 2pcs           |         |                   |            | 1                     |
| S-29 | Regial Plier         | 150mm   | 2pcs           |         |                   |            | 1                     |
| S-30 | Water Pump Plier     | 250mm   | 2 pcs          |         |                   |            | 1                     |

LIST OF TOOLS - SHEET METAL

| NO.  | Description         | SPECIFICATION  | QTY.                     | REMARKS |                   |                  |                       |
|------|---------------------|--|--------------------------|---------|-------------------|------------------|-----------------------|
|      |                     |  |                          | GOOD OR | RUNNING CONDITION | REPAIRABLE       | DAMAGED BEYOND REPAIR |
| S-31 | Driver (Screw)      | Ordinary type: 150mm<br>250mm  | 2pcs                     | 1       |                   | 1                |                       |
| S-32 | (Phillips)          | Type (small) No.2  | 2pcs                     |         |                   | 1                |                       |
| S-33 | Anvil               | (100 kg)   | 1                        | 1       |                   |                  |                       |
| S-34 | Small Anvil         | Type: 250 x 200 x 70mm   | 2                        | 2       |                   |                  |                       |
| S-35 | Swage Block         | 300 x 300 x 50mm   | 1                        | 1       |                   |                  |                       |
| S-36 | Center Punches      | 150mm  | 10pcs                    |         |                   |                  | 10                    |
| S-37 | Hammer              | With Handle (1 lb)   | 12 "                     |         |                   | 12pcs            |                       |
| S-38 | Black Smiths Hammer | (10 lbs)<br>(12 lbs)   | 1 "<br>2 "               | 1       |                   |                  |                       |
| S-39 | Ebashi Hammer       |  | 9pcs                     | 5       |                   | 5                |                       |
| S-40 | Kalakami Hammer     |  | 10 pcs                   | 5       |                   | 5                |                       |
| S-41 | Small Anvil         | Osaka Type (small)<br>(large)  | 4pcs<br>3 "              | 2<br>1  |                   | 2<br>2           |                       |
| S-42 | Wooden Hammer       | 46mm   | 20pcs                    |         |                   |                  | 20                    |
| S-43 | Pin snipe           | Straight cut 350mm<br>Circular cut 350mm<br>Straight cut 200mm<br>Circular cut 200mm | 2 "<br>2 "<br>5 "<br>5 " |         |                   | 2<br>2<br>5<br>5 |                       |
| S-44 | Chisel              | Flat (32 x 230mm)<br>100mm   | 5 pcs<br>5 "             |         |                   |                  | 5<br>5                |
| S-45 | Parallel vise       |  |                          |         |                   |                  |                       |
| S-46 | Leg Vise            | 5 inch   | 2pcs                     | 2       |                   |                  |                       |
| S-47 | Screw clamp         | Bakes Type 5"  | 5 "                      |         |                   |                  | 5                     |
| S-48 | Pipe Vise           | 10 - 102mm   | 1pc.                     | 1       |                   |                  |                       |
| S-49 | Vise                | K Type Round 165mm   | 1pc.                     |         |                   | 1                |                       |
| S-50 | Small Jack          | 60 - 65mm  | 9pcs                     |         |                   |                  | 9                     |
| S-51 | Handle Chisel       | 25 x 12.5 x 350mm  | 2pcs                     |         |                   |                  | 2                     |
| S-52 | Eboshi chisel       | 6 x 15 x 175mm   | 5pcs                     |         |                   |                  | 5                     |

LIST OF TOOLS - SHEET METAL

| NO.                | DESCRIPTION        | SPECIFICATION                     | QTY.  | REMARKS |                   |            |                       |      |
|--------------------|--------------------|-----------------------------------|-------|---------|-------------------|------------|-----------------------|------|
|                    |                    |                                   |       | GOOD CR | RUNNING CONDITION | REPAIRABLE | DAMAGES BEYOND REPAIR | USED |
| S-53               | File               | Flat 1st cut 200mm                | 6pcs  |         |                   |            | 6pcs                  |      |
|                    |                    | 2nd cut 200mm                     | 6 "   |         |                   |            | 6 "                   |      |
|                    |                    | smooth 200mm                      | 6 "   |         |                   |            | 6 "                   |      |
|                    |                    | 1st cut 350 "                     | 6 "   |         |                   |            | 6 "                   |      |
|                    |                    | 2nd " 350 "                       | 6 "   |         |                   |            | 6 "                   |      |
|                    |                    | Smooth 350 "                      | 6 "   |         |                   |            | 6 "                   |      |
|                    |                    | $\frac{1}{2}$ Round 2nd cut 200mm | 6 "   |         |                   |            | 6 "                   |      |
|                    |                    | Smooth 200mm                      | 6 "   |         |                   |            | 6 "                   |      |
|                    |                    | 2nd cut 350mm                     | 6     |         |                   |            | 6                     |      |
|                    |                    | Smooth 350mm                      | 6     |         |                   |            | 6                     |      |
|                    |                    | Round 1st cut 200mm               | 6     |         |                   |            | 6                     |      |
|                    |                    | 2nd cut 200 "                     | 6     |         |                   |            | 6                     |      |
|                    |                    | Smooth 200mm                      | 6     |         |                   |            | 6                     |      |
|                    |                    | Round 1st cut 350mm               | 6     |         |                   |            | 6                     |      |
|                    |                    | 2nd cut 350 "                     | 6     |         |                   |            | 6                     |      |
|                    |                    | Smooth 350 "                      | 6     |         |                   |            | 6                     |      |
|                    |                    | Square 1st cut 200mm              | 6     |         |                   |            | 6                     |      |
|                    |                    | 2nd cut 200 "                     | 6     |         |                   |            | 6                     |      |
|                    |                    | Smooth 200 "                      | 6     |         |                   |            | 6                     |      |
|                    |                    | 1st cut 350mm                     | 6     |         |                   |            | 6                     |      |
|                    |                    | 2nd cut 350 "                     | 6     |         |                   |            | 6                     |      |
|                    |                    | Smooth 350 "                      | 6     |         |                   |            | 6                     |      |
|                    |                    | Triangle 2nd cut 200mm            | 6     |         |                   |            | 6                     |      |
|                    |                    | Smooth 200 "                      | 6     |         |                   |            | 6                     |      |
| 2nd cut 350mm      | 6                  |                                   |       |         | 6                 |            |                       |      |
| Smooth 350 "       | 6                  |                                   |       |         | 6                 |            |                       |      |
| Oval 2nd cut 200mm | 6                  |                                   |       |         | 6                 |            |                       |      |
| Smooth 200 "       | 6                  |                                   |       |         | 6                 |            |                       |      |
| 2nd cut 350mm      | 6                  |                                   |       |         | 6                 |            |                       |      |
| Smooth 350mm       | 6                  |                                   |       |         | 6                 |            |                       |      |
| S-54               | File set           | (set of 8 pcs)                    | 4set  |         |                   | 4          |                       |      |
| S-55               | File handle        | Wood                              | 60pcs |         |                   |            | 60                    |      |
| S-56               | Surface plate      | Smoothing 300 x 300 x 50mm        | 2pcs  | 1       |                   | 1          |                       |      |
| S-57               | Square             | 1 type 250 x 165                  | 5 "   | 5       |                   |            |                       |      |
| S-58               | Steel Rule         | Ordinary type 300mm<br>" " 1000mm | 10pcs | 7       |                   | 3          |                       |      |
| S-59               | High pressure hose | 30m x 6mm                         | 1pc.  | 1       |                   |            |                       |      |
| S-60               | Marking off pin    | 250mm                             | 10pcs | 1       |                   |            |                       |      |

LIST OF TOOLS - SHEET METAL

| NO.  | DESCRIPTION                               | SPECIFICATION  | QTY.  | REMARKS |         |     |
|------|---|--|-------|---------|---------|-----|
|      |   |  |       | GOOD OR | DAMAGES | Use |
| S-61 | India Ink Bottle                          | Type wood  | 2pcs  |         |         |     |
| S-62 | Bamboo brush                              | Type Bamboo  | 2pcs  |         |         | 2   |
| S-63 | Goggles Grinder stone (protection Gloves) |  | 4pcs  | 1       | 3       |     |
| S-64 | Wire rope                                 | dia. 8mm   | 2pcs  | 2       |         |     |
| S-65 | Oil Jag                                   | Pistor type 200cc Oil Jag (Plastic) 1000cc               | 1pc   |         |         | 1   |
| S-66 | Scraper                                   | 250mm (Flat)<br>250mm (Bamboo)                           | 5pcs  | 2       |         | 3   |
| S-67 | Sword of Blads                            | 60cm steel made  | 1pc   |         |         | 1   |
| S-68 | High speed Cutting stone                  | 16"x 25mm  | 50pcs |         |         | 50  |
| S-69 | Portable sander cutting stone             | 180 x 6mm  | 50pcs |         |         | 50  |
| S-70 | Hacksaw blades                            | 250 x 13mm   | 10Dz. |         |         | 10  |
| S-71 | Hammer (stack)                            | 1m 20  | 10pcs |         |         | 10  |
| S-72 | Wire brush                                |  | 5pcs  |         |         | 5   |
| S-73 | Painting brush                            | Ordinary type<br>24mm, 55mm<br>Smooth type<br>30mm, 45mm | 10pcs |         |         | 10  |
| S-74 | Dresser Handle                            | Casting  | 1pc.  |         |         |     |
| S-75 | Dresser blades                            |  | 2grs  | 2grs    |         |     |
| S-76 | Drills                                    | 15mm, 17mm, 20mm, 22mm, 25mm, 30mm, 35mm                 |       |         |         |     |



LIST OF MACHINERY

| NO. | DESCRIPTION            | SPECIFICATION   | QTY. | REMARKS                         |            |                          |      |
|-----|------------------------|---|------|---------------------------------|------------|--------------------------|------|
|     |                        |   |      | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGES<br>BEYOND REPAIR | USED |
| M-1 | Precision Lathe        | Swing over bed 360mm<br>with-in 100mm from<br>face plate (395mm)<br>Distance between centres<br>550mm<br>Hole through spindle<br>speed 83-1800 r.p.m.<br>Motor output, Main<br>spindle motor 3.7Kw  | 5    | 3                               | 1          | 1                        |      |
| M-2 | Precision Lathe        | Swing over bed 460mm<br>with in 180mm from face<br>plate 510mm<br>Distance between centres<br>800mm<br>Hole through spindle<br>51mm<br>Range spindle speeds<br>51-1, 500 r.p.m.<br>Motor output, Main<br>spindle motor 5.5Kw                  | 4    | 2                               | 1          | 1                        |      |
| M-3 | Precision Lathe        | Swing over bed 490mm<br>with in 185mm from<br>face plate 530mm<br>Distance between<br>centres 1250mm<br>Hole through spindle<br>speed 23-1800 r.p.m.<br>Motor output. Main<br>Spindle motor 5.5Kw.  | 1    | 1                               |            |                          |      |
| M-4 | Double Head<br>Grinder | Wheel size 205 x 19<br>x 15.88<br>Revolution of wheel<br>3000 r.p.m.<br>Motor output. Main<br>spindle motor 0.4Kw   | 2    | 1                               |            | 1                        |      |
| M-5 | Surface Grinder        | Working surface of<br>table L x W(mm)<br>600 x 200.<br>Dimensions of mag-<br>netic chuck<br>fitting type W x L<br>x H(mm) 110 x 380 x<br>125<br>Wheel speed 2900r.p.m.<br>Motor: main spindle<br>motor 1.5Kw<br>hydraulic pump<br>motor 1.5Kw | 1    |                                 | 1          |                          |      |

LIST OF MACHINERY

| NO. | DESCRIPTION                                | SPECIFICATION  | QTY. | REMARKS                   |            |                       |      |
|-----|--|--|------|---------------------------|------------|-----------------------|------|
|     |  |  |      | GOOD OR RUNNING CONDITION | REPAIRABLE | DAMAGES BEYOND REPAIR | USED |
| K-6 | Universal Cylindrical Grinder              | Swing over table 200mm<br>Distance between centres 500mm<br>Table travel: Longitudinal 500mm<br>Wheel size: D x W x Bore 305 x 25 x 127mm<br>Revolution of wheel 2000 r.p.m.<br>Motor: Wheel spindle 1.5Kw.  | 1    |                           | 1          |                       |      |
| K-7 | Universal tool and cutter Grinding machine | Swing over table 250mm<br>Distance between Right and 480mm<br>Left-hand Tailstocks<br>Table travel: Longitudinal 300mm<br>Cross movement of saddle 200mm<br>Vertical movement of grinding wheel spindle 190 r.p.m.<br>Revolution of wheel 6000 r.p.m. or 3500 r.p.m.<br>Motor: wheel spindle 0.4Kw | 1    | 1                         |            |                       |      |
| K-8 | Hobbing Machine                            | Maximum diameter to be hobbled 430mm<br>Maximum width 280mm<br>Maximum pitch MP:4(DP:6<br>Diameter of work arbor (1") 25.4mm   | 1    | 1                         |            |                       |      |
| K-9 | Universal Milling Machine                  | Table: diameter<br>Maximum longitudinal travel 710mm<br>Maximum cross travel 300mm<br>Maximum vertical travel 1400mm<br>Working surface 135 x 310mm<br>Spindle speed 33-2000 rpm   | 1    | 1                         |            |                       |      |

LIST OF MACHINE AND MACHINERY FILING

| NO. | DESCRIPTION             | SPECIFICATION               | QTY. | REMARKS                         |                          |      |
|-----|-------------------------|-----------------------------|------|---------------------------------|--------------------------|------|
|     |                         |                             |      | GOOD OR<br>RUNNING<br>CONDITION | DAMAGED<br>BEYOND REPAIR | USED |
| K-9 |                         | Right point nose bend tool  |      |                                 |                          |      |
|     |                         | No.1 Shank 13mm square      | 20   |                                 |                          |      |
|     |                         | No.2 " 16 " "               | 20   |                                 |                          |      |
|     |                         | No.3 " 19 " "               | 20   |                                 |                          |      |
|     |                         | Left point nose bend tool   |      |                                 |                          |      |
|     |                         | No.1                        | 10   |                                 |                          |      |
|     |                         | " 2                         | 10   |                                 |                          |      |
|     |                         | 3                           | 10   |                                 |                          |      |
|     |                         | Square nose straight tool   |      |                                 |                          |      |
|     |                         | No.1                        | 20   |                                 |                          |      |
|     |                         | 2                           | 20   |                                 |                          |      |
|     |                         | 3                           | 20   |                                 |                          |      |
|     |                         | External threading tool     |      |                                 |                          |      |
|     |                         | No.1                        | 20   |                                 |                          |      |
|     |                         | 2                           | 20   |                                 |                          |      |
|     |                         | 3                           | 20   |                                 |                          |      |
|     |                         | Internal threading tool     |      |                                 |                          |      |
|     |                         | No.1                        | 20   |                                 |                          |      |
|     |                         | 2                           | 20   |                                 |                          |      |
|     |                         | 3                           | 20   |                                 |                          |      |
|     |                         | Spring square straight tool |      |                                 |                          |      |
|     |                         | No.1                        | 20   |                                 |                          |      |
|     |                         | 2                           | 20   |                                 |                          |      |
|     |                         | 3                           | 20   |                                 |                          |      |
|     |                         | Cut off tool                |      |                                 |                          |      |
|     |                         | No.1                        | 20   |                                 |                          |      |
|     |                         | 2                           | 20   |                                 |                          |      |
|     |                         | 3                           | 20   |                                 |                          |      |
|     |                         | Boring tool                 |      |                                 |                          |      |
|     |                         | No.1                        | 20   |                                 |                          |      |
|     |                         | 2                           | 20   |                                 |                          |      |
|     |                         | 3                           | 20   |                                 |                          |      |
|     |                         | Fine boring tool            |      |                                 |                          |      |
|     | No.1                    | 20                          |      |                                 |                          |      |
|     | No.2                    | 20                          |      |                                 |                          |      |
|     | 3                       | 20                          |      |                                 |                          |      |
|     | Spring cutting-off tool |                             |      |                                 |                          |      |
|     | No.1                    | 20                          |      |                                 |                          |      |
|     | 2                       | 20                          |      |                                 |                          |      |
|     | 3                       | 20                          |      |                                 |                          |      |
|     | Spring threading tool   |                             |      |                                 |                          |      |
|     | No.1                    | 20                          |      |                                 |                          |      |
|     | 2                       | 20                          |      |                                 |                          |      |
|     | 3                       | 20                          |      |                                 |                          |      |

LIST OF MACHINERY

| S. NO. | DESCRIPTION              | SPECIFICATION   | QTY. | REMARKS                         |            |                          |      |
|--------|--------------------------|---|------|---------------------------------|------------|--------------------------|------|
|        |                          |   |      | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGED<br>BEYOND REPAIR | USED |
| M-10   | Vertical                 | Table<br>Maximum longitudinal travel 710mm<br>Maximum cross travel 1300mm<br>Maximum vertical travel 350mm<br>Working surface 1350 x 310mm<br>Maximum vertical movement of milling head 100mm<br>Spindle speed 33-2000 r.p.m.<br>Main spindle motor 5.5Kw | 1    |                                 | 1          |                          |      |
| M-11   | Shaper                   | Maximum stroke and width 650 x 600mm<br>Distance from ram to table 150 - 450mm<br>Dimension of table 550 x 400 x 435mm<br>Dimension of vice (width x height x width of jaw) 350 x 75 x 35mm   | 1    |                                 |            | 1                        |      |
| M-12   | Bench Drilling Machine   | Motor 3.7Kw<br>Function 13mm<br>Table<br>Motor 200w   | 2    |                                 | 2          |                          |      |
| M-13   | Upright Drilling Machine | Swing 550mm<br>Function 40mm<br>Taper of main spindle MF No.4<br>Revolution range of main spindle 7-1307 rpm<br>Motor   |      |                                 |            |                          |      |
| M-14   | Sawing Machine           | Capable cutting section 200 x 200mm<br>Saw (length x width) 400 x 25mm<br>Stroke 150mm<br>Motor 0.75Kw  | 1    |                                 | 1          |                          |      |

LIST OF MACHINERY

| NO.  | DESCRIPTION               | SPECIFICATION   | QTY. | REMARKS                         |            |                          |      |
|------|---------------------------|---|------|---------------------------------|------------|--------------------------|------|
|      |                           |   |      | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGED<br>BEYOND REPAIR | USED |
| K-15 | Planer                    | Table, working surface 620 x 1500mm<br>Overall length of table 1800mm<br>Overall length of bed 3650mm<br>Cutting speed 8-60mm/min.<br>Return speed 16-60mm/min.<br>Vertical stroke or rail head 200mm<br>Quick feeding speed of planing head 1000mm/min.<br>Main motor 11Kw   | 1    | 1                               |            |                          |      |
| K-16 | Horizontal boring machine | Diameter of main spindle 70mm<br>Travel longitudinal of main spindle 470mm<br>Maximum distance: from main spindle to top of table 650mm<br>Dimension of table 700 x 800mm<br>Traverse: Longitudinal x cross 800 x 800mm<br>Distance between front bed of main spindle and abar support 1650mm<br>Revolution of main spindle 25-1100 r.p.m.<br>Motor output 3.7Kw. | 1    | 1                               |            |                          |      |

LIST OF MACHINE AND MACHINERY FINISH

| NO. | DESCRIPTION    | SPECIFICATION   | QTY.   | REMARKS            |            |                       |  |
|-----|----------------|---|--|--------------------|------------|-----------------------|--|
|     |                |   |  | GOOD OR            | REPAIRABLE | DAMAGED BEYOND REPAIR | USED   |
|     |                |   |  | ROUNTING CONDITION |            |                       |  |
| K-1 | Abar Press     | Travel of Ram 250mm   | 1  | 1                  |            |                       |  |
| K-2 | Drill Chuck    | Function  | 5  | 1                  |            | 4                     |  |
| K-3 | Angle Plate    | 75, 100, 125, 150, 175<br>200mm   | 2  |                    |            |                       |  |
| K-4 | Lathe Dog      | Ordinary 13, 25, 38, 50mm<br>Hook type 13, 25, 38, 50mm   | 5  |                    |            |                       |  |
| K-5 | Centre         | Live Centre Mt 4<br>Rolling centre for Pipe<br>Mt 4   | 2  |                    |            |                       |  |
| K-6 | Drill Sleeve   | MT 1 x 4, 2 x 4, 3 x 4,<br>1 x 3, 2 x 3   | 3  |                    |            | 3                     |  |
| K-7 | Socket         | Morse taper Shank socket<br>MT 1 x 4, 2 x 4, 3 x 4  | 2  | 2                  |            |                       |  |
| K-8 | Flapping Chuck | D.J. Faculty 3-6mm<br>" 6-20mm  | 1  |                    |            |                       |  |
| K-9 | Cutting Tool   | Welded tipped Tool Bits<br>point nose straight tool<br>No.1 Shank 13mm square<br>No.2 " 16mm "<br>No.3 " 19mm "<br>Right facing tool<br>No.1<br>2<br>3<br>Left facing tool<br>No.1<br>2<br>3<br>Right square nose bend<br>tool No.1<br>2<br>3<br>Left square nose bend<br>tool No.1<br>2<br>3 | 40<br>40<br>40<br>20<br>20<br>20<br>10<br>10<br>10<br>20<br>20<br>20<br>20<br>20<br>20<br>20 |                    |            |                       | Used<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>" |

LIST OF MACHINE AND MACHINERY PLANNING

| NO.                       | DESCRIPTION                | SPECIFICATION                     | QTY.                 | REMARKS                         |            |                          |      |   |
|---------------------------|----------------------------|-----------------------------------|----------------------|---------------------------------|------------|--------------------------|------|---|
|                           |                            |                                   |                      | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGED<br>BEYOND REPAIR | USED |   |
| K-9                       | Cutting tool<br>for Shaper | Point nose straight<br>tool No. 2 | 20                   |                                 |            |                          | Used |   |
|                           |                            | 3                                 | 20                   |                                 |            |                          | "    |   |
|                           |                            | 9                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | right facing tool                 |                      |                                 |            |                          |      |   |
|                           |                            | 2                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | 3                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | 9                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | left facing tool                  |                      |                                 |            |                          |      |   |
|                           |                            | 2                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | 3                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | 9                                 | 5                    |                                 |            |                          | "    |   |
|                           |                            | right square nose bend<br>tool    |                      |                                 |            |                          |      |   |
|                           |                            | 2                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | 3                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | 9                                 | 5                    |                                 |            |                          | "    |   |
|                           |                            | left square nose bend<br>tool     |                      |                                 |            |                          |      |   |
|                           |                            | No.2                              | 10                   |                                 |            |                          | "    |   |
|                           |                            | 3                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | 9                                 | 5                    |                                 |            |                          | "    |   |
|                           |                            | square nose straight<br>tool      |                      |                                 |            |                          |      |   |
|                           |                            | No.2                              | 10                   |                                 |            |                          | "    |   |
|                           |                            | 3                                 | 10                   |                                 |            |                          | "    |   |
|                           |                            | 9                                 | 5                    |                                 |            |                          | "    |   |
|                           |                            | Solid Alloy bit                   | Square 6 x 6mm SKH 4 | 40                              |            |                          |      | " |
| 10 x 10 "                 | 40                         |                                   |                      |                                 |            | "                        |      |   |
| 12 x 12 "                 | 30                         |                                   |                      |                                 |            | "                        |      |   |
| 16 x 16 "                 | 20                         |                                   |                      |                                 |            | "                        |      |   |
| Cutting off Solid<br>tool | No. 1 3.2 x 12.7 x 90      | 30                                |                      |                                 |            | "                        |      |   |
|                           | No. 2 3.2 x 15.9 x 115     | 30                                |                      |                                 |            | "                        |      |   |
|                           | No. 3 4.8 x 19 x 140       | 30                                |                      |                                 |            | "                        |      |   |
| Carbide tool              | P.20.31-2, 31-3            | 20                                |                      |                                 |            | "                        |      |   |
|                           | 32-2, 32-3                 | 5                                 |                      |                                 |            | "                        |      |   |
|                           | 33-2, 33-3                 | 20                                |                      |                                 |            | "                        |      |   |
|                           | 35-2, 35-3                 | 10                                |                      |                                 |            | "                        |      |   |
|                           | 36-2, 36-3                 | 10                                |                      |                                 |            | "                        |      |   |
|                           | 37-2, 37-3                 | 10                                |                      |                                 |            | "                        |      |   |
|                           | 38-2, 38-3                 | 5                                 |                      |                                 |            | "                        |      |   |

LIST OF MACHINE AND MACHINERY PLANNING

| NO.  | DESCRIPTION                | SPECIFICATION   | QTY  | REMARKS           |            |                                     |                          |
|------|----------------------------|---|--|-------------------|------------|-------------------------------------|--------------------------|
|      |                            |   |  | GOOD OR           | REPAIRABLE | DAMAGED BEYOND REPAIR               | USED                     |
|      |                            |   |  | RUNNING CONDITION |            |                                     |                          |
| M-9  |                            | P.20.39-2, 39-3<br>40-2, 40-3<br>41-2, 41-3<br>42-2, 42-3<br>43-2, 43-3   | 10<br>5<br>20<br>5<br>20                               |                   |            |                                     | used<br>"<br>"<br>"<br>" |
| M-10 | Pool Holder                | Bit tool holder<br>No.1 bit 6<br>No.2 " 10<br>No.3 " 13<br>No.4 " 16  | 2<br>2<br>2<br>2                                       |                   |            | Damaged<br>"<br>"<br>"              |                          |
|      |                            | Spring holder<br>No.1 bit 6<br>No.2 " 10<br>No.3 " 13<br>No.4 " 16<br><br>Cutting off tool holder<br>No.1<br>No.2<br>3<br><br>Plaining and Shaper Tool holder<br>No.1<br>2<br>3   | 2<br>2<br>2<br>2<br><br>2<br>2<br>2<br><br>1<br>1<br>1 |                   |            | "<br>"<br>"<br>"<br><br>"<br>"<br>" |                          |
| M-11 | Knurling Pool Holder       | One knurl for lathe<br>Two knurl for lathe  | 5<br>5   | 1<br>1            | 2<br>2     | 2 "<br>2 "                          |                          |
| M-12 | Knurling Pool              | Type K, HS Spur 18,30,44<br>" right helical 18,30,44<br>" Left " 18,30,44   | 10<br>10<br>10   |                   |            |                                     | used<br>"<br>"           |
| M-13 | Dresser                    | For Double head grinder   | 2set   | 1                 |            | 1                                   |                          |
| M-14 | Straight Shank Twist Drill | dia.0.513mm (difference of 0.2 mm is 9.9)<br>0.5, 0.7, 0.9, 1.1, 1.3,<br>1.5, 1.7, 1.9, 2.1, 2.3,<br>2.5, 2.7, 2.9, 3.1, 3.3,<br>3.5, 3.7, 3.9, 4.1, 4.3,<br>4.5, 4.7, 4.9, 5.1, 5.3,<br>5.5, 5.7, 5.9, 6.1, 6.3,<br>6.5, 6.7, 6.9, 7.1, 7.3,<br>7.5, 7.7, 7.9, 8.1, 8.3,<br>8.5, 8.7, 8.9, 9.1, 9.3,<br>9.5, 9.7, 9.9, 10.0, 10.5,<br>11.0, 11.5, 12.0, 12.5, 13.0 | 120  |                   |            |                                     | Used                     |



LIST OF MACHINE AND MACHINERY FITTING

| NO.                        | DESCRIPTION                 | SPECIFICATION   | QTY. | REMARKS |                              |                       |      |  |
|----------------------------|-----------------------------|---|------|---------|------------------------------|-----------------------|------|--|
|                            |                             |   |      | GOOD OR | RUNNING CONDITION REPAIRABLE | DAMAGED BEYOND REPAIR | USED |  |
| K-15                       | Shank Drill                 | dia.13, 5-30.0mm<br>(difference of @ 0.5)<br>13.5, 14.0, 14.5, 15.0<br>15.5, 16.0               | 3    |         |                              |                       | Used |  |
|                            |                             | 16.5, 17.0, 17.5, 18.0<br>18.5, 19.0, 19.5, 20.0<br>20.5, 21.0, 21.0, 21.5,<br>22.0, 22.5, 23.0 | 2    |         |                              |                       | "    |  |
|                            |                             | 23.5, 24.0, 24.5, 25.0,<br>25.5, 26.0, 26.5, 27.0,<br>27.5, 28.0, 28.5, 29.0,<br>29.5, 30.0     | 1    |         |                              |                       | "    |  |
|                            |                             |   |      |         |                              |                       |      |  |
| K-16                       | Drill stand<br>Centre Drill | 0.5-13mm  | 2    |         |                              |                       | "    |  |
|                            |                             | Dia.0.7   | 6    |         |                              |                       | "    |  |
|                            |                             | 1.0, 1.5, 2.0, 3.0, 2.5   | 12   |         |                              |                       | "    |  |
|                            |                             | 4.0, 5.0  | 6    |         |                              |                       | "    |  |
| K-17                       | Screw extractor             | 1815 set of 5   | 1set |         |                              | Damaged               |      |  |
| K-18                       | Drill key                   | No.1, 2, 3  | 1set |         |                              | "                     |      |  |
| K-19                       | Bar for Lathe               | 25 $\phi$ x 1000mm  | 1    |         |                              | "                     |      |  |
| K-20                       | Milling cutter              | Side cutter<br>dia.x width x bore   |      |         |                              |                       | Used |  |
|                            |                             | 125 x 6 x 31.75   | 2    |         |                              |                       | "    |  |
|                            |                             | 8   | 2    |         |                              |                       | "    |  |
|                            |                             | 10  | 2    |         |                              |                       | "    |  |
|                            |                             | 12  | 2    |         |                              |                       | "    |  |
|                            |                             | 14  | 2    |         |                              |                       | "    |  |
|                            |                             | Metal saw   |      |         |                              |                       |      |  |
|                            |                             | 125 x 1.5 x 31.75   | 2    |         |                              |                       | "    |  |
|                            |                             | 2   | 2    |         |                              |                       | "    |  |
|                            |                             | 3   | 2    |         |                              |                       | "    |  |
|                            |                             | 4   | 2    |         |                              |                       | "    |  |
|                            |                             | Plane Cutter  |      |         |                              |                       |      |  |
|                            |                             | 75 x 40 x 31.75   | 1    |         |                              |                       | "    |  |
|                            |                             | 50  | 1    |         |                              |                       | "    |  |
| 75                         | 1                           |   |      |         | "                            |                       |      |  |
| Key cutter                 |                             |   |      |         |                              |                       |      |  |
| width x dia.x dia of shank |                             |   |      |         |                              |                       |      |  |
| 3 x 16 x 12                | 1                           |   |      |         | "                            |                       |      |  |
| 4 x 19 x 12                | 1                           |   |      |         | "                            |                       |      |  |
| 5 x 22 x 12                | 1                           |   |      |         | "                            |                       |      |  |
| 6 x 28 x 12                | 1                           |   |      |         | "                            |                       |      |  |

LIST OF MACHINE AND MACHINERY FILING

| NO.                            | DESCRIPTION   | SPECIFICATION   | QTY. | REMARKS |            |                       |      |
|--------------------------------|---------------|---|------|---------|------------|-----------------------|------|
|                                |               |   |      | GOOD OR | REPAIRABLE | DAMAGED BEYOND REPAIR | USED |
| M-20                           |               | Spiral end milling cutter                             | 20   |         |            |                       | used |
|                                |               | dia. 20.0, 22.0, 25.0, 28.0mm                         |      |         |            |                       |      |
|                                |               | Key slot cutter                                       | 20   |         |            |                       | "    |
|                                |               | 16 x 7, 19 x 10, 22 x 12                              |      |         |            |                       |      |
|                                |               | Slotting end mill straight shank                      | 10   |         |            |                       | "    |
|                                |               | dia. 60mm   |      |         |            |                       |      |
|                                |               | 8.00mm  | 10   |         |            |                       | "    |
|                                |               | 12.0mm  | 6    |         |            |                       | "    |
|                                |               | 16.0mm  | 3    |         |            |                       | "    |
|                                |               | 20.0mm  | 3    |         |            |                       | "    |
|                                |               | Slotting end mill taper shank                         |      |         |            |                       |      |
|                                |               | dia. 20.0   | 2    |         |            |                       | "    |
|                                |               | 22.0  | 2    |         |            |                       | "    |
|                                |               | 25.0  | 2    |         |            |                       | "    |
| 28.0                           | 2             |   |      |         | "          |                       |      |
| Spiral end-mill straight shank |               |   |      |         |            |                       |      |
| 6.0                            | 6             |   |      |         | "          |                       |      |
| 8.0                            | 6             |   |      |         | "          |                       |      |
| 10.0                           | 6             |   |      |         | "          |                       |      |
| 12.0                           | 3             |   |      |         | "          |                       |      |
| 16.0                           | 3             |   |      |         | "          |                       |      |
| 20.0                           | 3             |   |      |         | "          |                       |      |
| M-21                           | Angle Plate   | Adjustable Universal angle plate<br>AGA 2 150 x 200   | 1    | 1       |            |                       |      |
| M-22                           | Disc Chucking | Function 13mm<br>Available disc dia.<br>25 - 38mm M.Z | 1    |         |            |                       |      |
| M-23                           | Surface Plate | Length x width x height                               |      |         |            |                       |      |
|                                |               | 300 x 300 x 50  | 20   | 20      |            |                       |      |
|                                |               | 600 x 450 x 100                                       | 3    | 3       |            |                       |      |
|                                |               | 1000 x 1000 x 140                                     | 2    | 2       |            |                       |      |
| M-24                           | Vice          | Box type 125  | 30   |         |            | Damaged               |      |
|                                |               | 75  | 2    |         |            | "                     |      |
|                                |               | 100   | 2    |         |            | "                     |      |
|                                |               | 150   | 2    |         |            | "                     |      |
|                                |               | Vice for drilling machine                             |      |         |            |                       |      |
|                                |               | 100   |      |         |            | "                     |      |
|                                |               | 150   |      |         |            | "                     |      |

LIST OF MACHINERY AND INSTRUMENTS

| NO.  | DESCRIPTION | SPECIFICATION                      | QTY | REMARKS                   |            |                       |      |
|------|-------------|------------------------------------|-----|---------------------------|------------|-----------------------|------|
|      |             |                                    |     | GOOD OR RUNNING CONDITION | REPAIRABLE | DAMAGED BEYOND REPAIR | USED |
| M-25 | Hammer      | Machinist hammer weight 1 pound    | 37  |                           |            | 37                    |      |
| "    | "           | 1/2 pound Elastic hammer dia. 35mm | 10  |                           |            | 10                    |      |
|      |             | Black-Smith's hammer 10 pounds     | 1   |                           |            | 1                     |      |
| M-26 | Chisel      | Gold chisel edge x length          |     |                           |            |                       |      |
|      |             | 13 x 160                           | 10  |                           |            | 10                    |      |
|      |             | 19 x 185                           | 20  |                           |            | 20                    |      |
|      |             | 22 x 200                           | 10  |                           |            | 10                    |      |
|      |             | Cope chisel 7 x 180                | 20  |                           |            | 20                    |      |
| M-27 | File        | Flat 150 smooth                    | 30  |                           |            | 30                    |      |
|      |             | 150 rough                          | 60  |                           |            | 60                    |      |
|      |             | 200 smooth                         | 30  |                           |            | 30                    |      |
|      |             | 200 middle                         | 60  |                           |            | 60                    |      |
|      |             | 200 rough                          | 30  |                           |            | 30                    |      |
|      |             | 250 smooth                         | 40  |                           |            | 40                    |      |
|      |             | 250 middle                         | 60  |                           |            | 60                    |      |
|      |             | 250 rough                          | 30  |                           |            | 30                    |      |
|      |             | 300 smooth                         | 60  |                           |            | 60                    |      |
|      |             | 300 middle                         | 60  |                           |            | 60                    |      |
|      |             | 300 rough                          | 30  |                           |            | 30                    |      |
|      |             | 350 rough                          | 30  |                           |            | 30                    |      |
| "    | "           | Squares 150 middle                 | 30  |                           |            | 30                    |      |
|      |             | 200 "                              | 30  |                           |            | 30                    |      |
|      |             | 250 "                              | 30  |                           |            | 30                    |      |
|      |             | 300 "                              | 30  |                           |            | 30                    |      |
|      |             | 350 rough                          | 30  |                           |            | 30                    |      |
|      |             | Triangle                           |     |                           |            |                       |      |
|      |             | 250 middle                         | 30  |                           |            | 30                    |      |
|      |             | 300 "                              | 30  |                           |            | 30                    |      |
|      |             | Half rough                         |     |                           |            |                       |      |
|      |             | 250 middle                         | 30  |                           |            | 30                    |      |
|      |             | 300 "                              | 30  |                           |            | 30                    |      |
|      |             | Round 250 "                        | 30  |                           |            | 30                    |      |
|      |             | 300 "                              | 30  |                           |            | 30                    |      |
|      |             | Raps (half round)                  |     |                           |            |                       |      |
|      |             | 300                                | 2   |                           |            | 2                     |      |
|      |             | Set of needle file                 |     |                           |            |                       |      |
|      |             | set of 12 middle                   | 2   |                           |            | 2                     |      |
|      |             | set of 8 "                         | 3   |                           |            | 3                     |      |
|      |             | Set of 5 "                         | 60  |                           |            | 60                    |      |
|      |             | Set of 5 smooth                    | 60  |                           |            | 60                    |      |

LIST OF MACHINE AND MACHINERY PARTS

| NO.     | DESCRIPTION   | SPECIFICATION                 | QTY. | REMARKS                   |            |                       |      |
|---------|---------------|-------------------------------|------|---------------------------|------------|-----------------------|------|
|         |               |                               |      | GOOD OR RUNNING CONDITION | REPAIRABLE | DAMAGED BEYOND REPAIR | USED |
| K-28    | Scraper       | Flat 210mm                    | 40   |                           |            | 40                    |      |
|         |               | Half round 300mm              | 20   |                           |            | 20                    |      |
|         |               | Carbide scraper (cramp style) |      |                           |            |                       |      |
|         |               | 25 x 400 x 5                  | 20   |                           |            | 20                    |      |
|         |               | Pip 25 x 25 x 2.3             | 25   |                           |            | 25                    |      |
| K-29    | Hand Lap      | Metric coarse thread          |      |                           |            |                       |      |
|         |               | description pitch             |      |                           |            |                       |      |
|         |               | 2mm 0.4mm                     | 3    |                           |            | 3                     |      |
|         |               | 3 0.5                         | 5    |                           |            | 5                     |      |
|         |               | 4 0.7                         | 5    |                           |            | 5                     |      |
|         |               | 5 0.8                         | 10   |                           |            | 10                    |      |
|         |               | 6 1.0                         | 10   |                           |            | 10                    |      |
|         |               | 8 1.25                        | 10   |                           |            | 10                    |      |
|         |               | 10 1.5                        | 10   |                           |            | 10                    |      |
|         |               | 12 1.75                       | 2    |                           |            | 2                     |      |
|         |               | 14 2                          | 1    |                           |            | 1                     |      |
|         |               | 16 2                          | 1    |                           |            | 1                     |      |
|         |               | 18 2.5                        | 1    |                           |            | 1                     |      |
|         |               | Witworth coarse thread        |      |                           |            |                       |      |
|         |               | description pitch             |      |                           |            |                       |      |
|         |               | 1/2 20 1/4 inch               | 2    |                           |            | 2                     |      |
|         |               | 5/16 18                       | 3    |                           |            | 3                     |      |
|         |               | 3/8 16                        | 3    |                           |            | 3                     |      |
|         |               | 7/16 14                       | 3    |                           |            | 3                     |      |
| 1/2 12  | 3             |                               |      | 3                         |            |                       |      |
| 9/16 12 | 2             |                               |      | 2                         |            |                       |      |
| 5/8 11  | 2             |                               |      | 2                         |            |                       |      |
| 3/4 10  | 1             |                               |      | 1                         |            |                       |      |
| K-30    | Threading Die | Metric coarse thread          |      |                           |            |                       |      |
|         |               | description pitch             |      |                           |            |                       |      |
|         |               | 2mm 0.40                      | 3    |                           |            | 3                     |      |
|         |               | 3 0.5                         | 5    |                           |            | 5                     |      |
|         |               | 4 0.7                         | 5    |                           |            | 5                     |      |
|         |               | 5 0.8                         | 5    |                           |            | 5                     |      |
|         |               | 6 1                           | 5    |                           |            | 5                     |      |
|         |               | 8 1.25                        | 5    |                           |            | 5                     |      |
|         |               | 10 1.5                        | 2    |                           |            | 2                     |      |
|         |               | 12 1.75                       | 2    |                           |            | 2                     |      |
|         |               | 14 2                          | 1    |                           |            | 1                     |      |
|         |               | 16 2                          | 1    |                           |            | 1                     |      |
|         |               | 18 2.5                        | 1    |                           |            | 1                     |      |

LIST OF MACHINES AND MACHINERY FILING

| NO.  | DESCRIPTION                    | SPECIFICATION  | QTY.     | REMARKS |            |      |
|------|--------------------------------|--|----------|---------|------------|------|
|      |                                |  |          | GOOD OR | DAMAGED    | USED |
| M-30 | Threading Die                  | Mitworth coarse thread<br>description pitch                      |          |         |            |      |
|      |                                | 1/4 20 1/4 inch  | 2        |         | 2          |      |
|      |                                | 5/16 18  | 2        |         | 2          |      |
|      |                                | 3/8 16   | 2        |         | 2          |      |
|      |                                | 7/16 14  | 2        |         | 2          |      |
|      |                                | 1/2 12   | 2        |         | 2          |      |
|      |                                | 9/16 12  | 2        |         | 2          |      |
|      |                                | 5/8 11   | 2        |         | 2          |      |
|      | 3/4 10                         | 1  |          | 1       |            |      |
| M-31 | Adjustable Tap<br>Wrench       | No.0 6mm   | 5        |         | 5          |      |
|      |                                | 4 10   | 5        |         | 5          |      |
|      |                                | 5 13   | 5        |         | 5          |      |
|      |                                | 6 19   | 5        |         | 5          |      |
| M-32 | Stocks for Round<br>Split dies | 20   | 5        |         | 5          |      |
|      |                                | 25   | 5        |         | 5          |      |
|      |                                | 38   | 5        |         | 5          |      |
|      |                                | 50   | 2        |         | 2          |      |
| M-33 | Hand Reamers                   | Diameter<br>5, 6, 7, 8, 9, 10, 11,<br>12                         | 12<br>12 |         | 12 @<br>12 |      |
|      |                                | taper pin reamer<br>description<br>2, 2, 5, 3, 4, 5, 6,<br>8, 10 | 12       |         | 12"        |      |
| M-34 | Combination Plier              | description<br>150, 200  | 12       |         | 12         |      |
| M-35 | Side Cutting<br>Plier          | description<br>150, 175, 200                                     | 12       |         | 12         |      |
| M-36 | Pliers                         | Flat nose 180  | 1        |         | 1          |      |
|      |                                | round nose 180   | 1        |         | 1          |      |
| M-37 | Set of Spanner                 | Set of 6, type A & B   | 4        |         | 4          |      |
|      |                                | Adjustable angle<br>wrench 150                                   | 4        |         | 4          |      |
|      |                                | Adjustable angle<br>wrench 250                                   | 1        |         | 1          |      |
| M-38 | Socket Wrench Set              | Set of 13 piece,<br>12 square 10-26mm No.418                     | 1        |         | 1          |      |
|      |                                | 12 square 7/16-1 inch<br>No.418                                  | 1        |         | 1          |      |

LIST OF MACHINE AND MACHINERY FITTING

| NO.           | DESCRIPTION                    | SPECIFICATION  | QTY. | REMARKS |            |                       |      |
|---------------|--------------------------------|--|------|---------|------------|-----------------------|------|
|               |                                |  |      | GOOD OR | REPAIRABLE | DAMAGED BEYOND REPAIR | USED |
| K-39          | Throughout handle Screw Driver | Throughout handle min. type description 75, 125, 200, 300  | 5    |         |            | 5                     |      |
|               |                                | Throughout handle, plus type description 75, 100, 150, 200 | 5@   |         |            | 5                     |      |
| K-40          | Hack Saw Frame                 | Fixed type 250mm   | 25   |         |            | 25                    |      |
| K-41          | Saw                            | For hand saw 250mm   | 50   |         |            |                       | Used |
|               |                                | For machine saw 350mm                                      | 30   |         |            |                       | "    |
| K-42          | Pipe Wrench                    | Description 300  | 1    |         |            | 1                     |      |
| K-43          | Oil stone                      | 250 x 50 x 25 middle and smooth                            | 15@  |         |            |                       | used |
|               |                                | 115 x 38 x 16 middle and smooth                            | 30   |         |            |                       | 15   |
| K-44          | White Oil Stone                | 150 x 50 x 25  | 2    |         |            |                       | 2    |
| K-45          | Caliper                        | Outside caliper 150  | 20   | 20      |            |                       |      |
|               |                                | Inside caliper 150   | 20   | 20      |            |                       |      |
|               |                                | Scribing caliper 150                                       | 10   | 10      |            |                       |      |
| K-46          | Box Block with V groove        | K type description 250mm. thickness 25mm                   | 2    | 2       |            |                       |      |
| K-47          | V Blocks                       | A type   |      |         |            |                       |      |
|               |                                | Length x height x thickness                                |      |         |            |                       |      |
|               |                                | 50 x 32 x 20   | 6    | 6       |            |                       |      |
|               |                                | 75 x 40 x 30   | 6    | 6       |            |                       |      |
| 100 x 60 x 35 | 6                              | 6  |      |         |            |                       |      |
| 150 x 90 x 65 | 6                              | 6  |      |         |            |                       |      |
| K-48          | Square                         | Flat try square 150 x 100                                  | 10   |         |            |                       | used |
|               |                                | SLOTTED TRY SQUARE 200 x 130                               | 2    |         |            |                       | "    |

LIST OF MACHINE AND MACHINERY FILING

| NO.  | DESCRIPTION         | SPECIFICATION                            | QTY. | REMARKS |                   |            |                              |
|------|---------------------|--|------|---------|-------------------|------------|------------------------------|
|      |                     |  |      | GOOD OR | RUNNING CONDITION | REPAIRABLE | DAMAGED BEYOND REPAIR (USED) |
| M-49 | Surface Gauge       | Round stock height 200                   | 10   | 10      |                   |            |                              |
|      |                     | Square stock height 150                  | 2    | 2       |                   |            |                              |
|      |                     | Square stock height 250                  | 10   | 10      |                   |            |                              |
| M-50 | Rule Holder         | 1 type, acceptable rule 300              | 4    |         |                   | 4          |                              |
| M-51 | Steel Straight edge | Length x height x width<br>300 x 50 x 10 | 1    | 1       |                   |            |                              |
| M-52 | Beam Frame          | 1000 with scale                          | 1    | 1       |                   |            |                              |
| M-53 | Steel Compass       | 125                                      | 10   |         |                   | 10         |                              |
| M-54 | Scriber             |  | 20   |         |                   | 20         |                              |
| M-55 | Punch               | Small 100                                | 10   |         |                   | 20         |                              |
| M-56 | Screw Centre Jack   | No.7 dia.of base 32                      | 9    | 9       |                   |            |                              |
|      |                     | No.8 dia.of base 35                      | 9    | 0       |                   |            |                              |
| M-57 | Pinner Scissors     | Straight edge 210                        | 1    |         |                   | 1          |                              |
|      |                     | Round edge 210                           | 1    |         |                   | 1          |                              |
| M-58 | Anvil               | Cast Iron 150 kg.                        | 1    |         |                   | 1          |                              |
| M-59 | Swage Block         | Cast Iron 150 kg.                        | 1    | 1       |                   |            |                              |
| M-60 | Forging Tool        | Black-smith forging tools                | 10   | 10      |                   |            |                              |
| M-61 | Forging Swage       | Round 13mm                               | 1    | 1       |                   |            |                              |
|      |                     | " 19mm                                   | 1    |         |                   |            |                              |
| M-62 | Chisel with Handle  | edge x length<br>38 x 150mm              | 1    |         |                   | 1          |                              |
|      |                     | 32 x 140mm                               | 1    |         |                   | 1          |                              |
|      |                     | 25 x 125mm                               | 1    |         |                   | 1          |                              |
| M-63 | Pliers for Forging  | 450, Flat nose, round, square            | 12   |         |                   | 1          |                              |





LIST OF MACHINE AND MACHINERY PLANTING

| NO.                  | DESCRIPTION                    | SPECIFICATION                | QTY. | REMARKS |    |         |      |
|----------------------|--------------------------------|------------------------------|------|---------|----|---------|------|
|                      |                                |                              |      | GOOD OR |    | DAMAGED | USED |
| K-68                 | Micrometre                     | External micrometre          |      |         |    |         |      |
|                      |                                | 0-25mm                       | 20   |         | 20 |         |      |
|                      |                                | 25-50                        | 20   |         | 20 |         |      |
|                      |                                | 50-75                        | 10   |         | 10 |         |      |
|                      |                                | 75-100                       | 5    |         | 5  |         |      |
|                      |                                | 100-125                      | 5    |         | 5  |         |      |
|                      |                                | inside micrometer            |      |         |    |         |      |
|                      |                                | caliper type                 |      |         |    |         |      |
|                      |                                | 5-25                         | 1    |         | 1  |         |      |
|                      |                                | 25-50                        | 1    |         | 1  |         |      |
| K-69                 | Steel Rule                     | Stainless steel              |      |         |    |         |      |
|                      |                                | 150                          | 30   |         | 30 |         |      |
|                      |                                | 300                          | 30   |         | 30 |         |      |
|                      |                                | 600                          | 1    |         | 1  |         |      |
| K-70                 | Dial gauge<br>(Dial Indicator) | jointed type50-300           | 1    |         | 1  |         |      |
|                      |                                | Depth micrometer             |      |         |    |         |      |
|                      |                                | changeable rod               |      |         |    |         |      |
|                      |                                | 0-100                        | 1    |         | 1  |         |      |
|                      |                                | Rule 0.01, measuring         |      |         |    |         |      |
|                      |                                | range 10mm                   | 10   |         | 10 |         |      |
|                      |                                | No.107, dia.of scale         |      |         |    |         |      |
|                      |                                | plate 46mm                   | 1    |         | 1  |         |      |
|                      |                                | Rule 0.001, measuring        |      |         |    |         |      |
|                      |                                | range 1mm                    | 1    |         | 1  |         |      |
| No.512 dia. of scale |                                |                              |      |         |    |         |      |
| plate 46mm           | 1                              |                              | 1    |         |    |         |      |
| Long liner type,     |                                |                              |      |         |    |         |      |
| rule 0.01mm.         | 5                              |                              | 5    |         |    |         |      |
| Measuring range 1mm  |                                |                              |      |         |    |         |      |
| PC-IIS               |                                |                              |      |         |    |         |      |
| Dia. of scale plate  |                                |                              |      |         |    |         |      |
| 35mm                 |                                |                              |      |         |    |         |      |
| lateral type, rule   |                                |                              |      |         |    |         |      |
| 0.01mm               |                                |                              |      |         |    |         |      |
| measuring range 0.5, |                                |                              |      |         |    |         |      |
| FC-3                 |                                |                              |      |         |    |         |      |
| dia of scale plate   |                                |                              |      |         |    |         |      |
| 38mm                 |                                |                              |      |         |    |         |      |
| K-71                 | Sign bar                       | 100mm length of bar<br>14Cmm | 1    | 1       |    | I       |      |

LIST OF MACHINE AND MACHINERY FILING

| NO.  | DESCRIPTION                         | SPECIFICATION  | QTY.           | REMARKS                         |            |                          |      |
|------|-------------------------------------|--|----------------|---------------------------------|------------|--------------------------|------|
|      |                                     |  |                | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGED<br>BEYOND REPAIR | USED |
| K-72 | Magnetic Base<br>(Dial Test Holder) | Push button type<br>55 height x 44 width<br>x 60 length  | 5              |                                 |            | 5                        |      |
| K-73 | Optical Thread<br>Tool gauge        |  | 1              | 1                               |            |                          |      |
| K-74 | Surface roughness<br>scale          | Surface (set of 2<br>sheets) cylinder                    | 1<br>1         | 1<br>1                          |            |                          |      |
| K-75 | Vernier Caliper                     | 150mm<br>300mm   | 30<br>2        |                                 |            |                          |      |
| K-76 | Test Bar                            | No.3, 4, 5   | 1              | 1                               |            |                          |      |
| K-77 | Paper Gauge                         | M.F.No.1,2,3,4   | 1              | 1                               |            |                          |      |
| K-78 | Standard Thread                     | Metric coarse<br>Description<br>18 pitch 2.0<br>22 " 2.5 | 2<br>2         |                                 |            | 2                        |      |
| K-79 | Wire Brush                          |  | 30             |                                 |            | 30                       |      |
| K-80 | Wooden Hammer                       |  | 10             |                                 |            | 10                       |      |
| K-81 | Hand Stone                          | No.250<br>No.320<br>No.400                               | 10<br>10<br>10 |                                 |            | 10                       |      |
| K-82 | Oilers                              | Pistol type<br>Oil juck 1000cc                           | 1<br>1         |                                 |            | 1                        |      |
| K-83 | Micrometre Stand                    | S type   | 20             | 20                              |            |                          |      |
| K-84 | Dial Gauge Stand                    | No.731<br>Base size 250 x 70<br>x 45                     | 10             |                                 |            | 10                       |      |
| K-85 | Face milling                        | G dia. 150, 200<br>S dia. 150, 200                       | 1<br>1         |                                 |            | 1                        |      |

LIST OF MACHINE AND MACHINERY FILING

| NO.  | DESCRIPTION       | SPECIFICATION                                       | QTY. | REMARKS                         |            |                          |      |
|------|-------------------|---|------|---------------------------------|------------|--------------------------|------|
|      |                   |   |      | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGED<br>BEYOND REPAIR | USED |
| K-86 | Double handed saw | for wood  | 1    |                                 |            | 1                        |      |
| K-87 | Nail Fuller       | 300mm   | 2    |                                 |            | 2                        |      |
| K-88 | Torque wrench     | Type 1300, capacity<br>cm-kg right and<br>left 1300 | 1    |                                 |            | 1                        |      |
| K-89 | Diamond tool      | 1/2 ct  | 2    |                                 |            | 1                        |      |
| K-90 | Straight Edge     | 1000 x 60 x 12                                      | 3    |                                 |            | 1                        |      |
| K-91 | Files Handle      |   | 100  |                                 |            | 1                        |      |
| K-92 | Scraper's Handle  |   | 100  |                                 |            | 1                        |      |
| K-93 | Gear Fuller       | G6, available<br>dia.150mm,<br>width 80mm           | 1    |                                 |            | 1                        |      |
| K-94 | Paper Gass Tap    | Description pitch                                   |      |                                 |            |                          |      |
|      |                   | 1/8 - 28 P/inch                                     | 1    |                                 |            | 1                        |      |
|      |                   | 1/4 - 19  | 1    |                                 |            | 1                        |      |
|      |                   | 3/8 - 19  | 1    |                                 |            | 1                        |      |
|      |                   | 1/2 - 14  | 1    |                                 |            | 1                        |      |
| K-95 | Paper Gass Disc   | 1/8 - 28  | 1    |                                 |            | 1                        |      |
|      |                   | 1/4 - 19  | 1    |                                 |            | 1                        |      |
|      |                   | 3/8 - 19  | 1    |                                 |            | 1                        |      |
|      |                   | 1/2 - 14  | 1    |                                 |            | 1                        |      |
|      |                   | 3/4 - 14  | 1    |                                 |            | 1                        |      |
| K-96 | Gear Hob          | MP 1 50 x 50 x 22.2                                 | 1    |                                 |            | 1                        |      |
|      |                   | MP 2 60 x 60 x 22.2                                 | 1    | 1                               |            |                          |      |

LIST OF FORGING SHOP

| NO. | DESCRIPTION      | SPECIFICATION   | QTY.        | REMARKS                         |            |                          |      |
|-----|------------------|---|-------------|---------------------------------|------------|--------------------------|------|
|     |                  |   |             | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGED<br>BEYOND REPAIR | USED |
| F-1 | Air Hammer       | Function 1/16 ton<br>travel of ram 345mm<br>stroke per minute<br>200 distance from<br>centre of cylinder<br>to inside of frame<br>280mm<br>effective diameter<br>of works 25mm                      | 1           |                                 | 1          |                          |      |
| F-2 | Forging Furnance | Fuel - Heavy oil<br>inside dimension of<br>furnaces<br>600 x 700 x 400<br>Max. temperature<br>1200°C<br>Indication thermo-<br>meter (1600°C)<br>Tank for Quenching<br>dimensions<br>600 x 700 x 800 | 1<br>1<br>1 |                                 |            | 1<br>1<br>1              |      |

LIST OF TESTING ROOM

| NO. | DESCRIPTION                               | SPECIFICATION   | QTY. | REMARKS                         |            |                          |      |
|-----|---|---|------|---------------------------------|------------|--------------------------|------|
|     |   |   |      | GOOD OR<br>RUNNING<br>CONDITION | REPAIRABLE | DAMAGES<br>BEYOND REPAIR | USED |
| P-1 | Universal Testing Machine                 | Maximum load 30 tons<br>a) Tensile test<br>Clearance between<br>to chucks 0-800mm<br>b) Compression test<br>Clearance between<br>compression platens<br>0-800mm<br>c) Bending test<br>Clearance between<br>supporters 60-500mm<br>d) Transverse test<br>e) Ram stroke 200mm<br>f) Table size 500 x<br>550mm<br>g) Oil pump motor<br>1.5Kw | 1    | 1                               |            |                          |      |
| P-2 | Rock Well Tester<br>Hardness              | Rockwell type.<br>Load -<br>60kg. 100kg. 150kg.   | 1    | 1                               |            |                          |      |
| P-3 | Surface Roughness<br>measuring Instrument | Pick up<br>Stylus tip: Diamond<br>tip with a<br>radius of<br>$5\mu + 2\mu$<br>Stylus force $1g + 0.5g$<br>Skid: Radius 8mm<br>Hardness<br>over -ERC65<br>Overall<br>dimensions:<br>6.25 (Dia.)<br>x 70mm(L)<br>Sliding distance<br>1.5-75mm   | 1    | 1                               |            |                          |      |



| NO            | DESCRIPTION                         | SPECIFICATION                       | QUANTITY | REMARKS            |
|---------------|-------------------------------------|-------------------------------------|----------|--------------------|
| e-9           | thread                              | 3.0mmx0.6mm                         | 6        | Not working        |
|               |                                     | 3.5mmx0.6mm                         | 9        |                    |
|               |                                     | 4.0mmx0.75mm                        | 9        |                    |
|               |                                     | 5.0mmx0.9mm                         | 6        |                    |
|               |                                     | 6.0mmx1.0mm                         | 6        |                    |
| e-10          | Round Dies for metric course thread | Hand type pitch                     |          |                    |
|               |                                     | 1.0mmx0.25mm outside 20mm           | 2        |                    |
|               |                                     | 1.2mmx0.25mm " "                    | 2        | Not working        |
|               |                                     | 1.7mmx0.35mm " "                    | 2        |                    |
|               |                                     | 2.0mmx0.4 " "                       | 2        |                    |
|               |                                     | 2.6mmx0.45 " "                      | 2        |                    |
|               |                                     | 3.0mmx0.60 " "                      | 2        |                    |
|               |                                     | 3.5mmx0.60 " "                      | 2        |                    |
|               |                                     | 4.0mmx0.75 " "                      | 2        |                    |
|               |                                     | 5.0mmx0.9 " "                       | 2        |                    |
| 6.0mmx1.0 " " | 2                                   |                                     |          |                    |
| e-11          | Tap wrench                          | $\frac{1}{4}$ " , $\frac{3}{8}$ "   | 2        |                    |
|               |                                     | $\frac{1}{2}$ " , $\frac{3}{4}$ "   | 1        |                    |
| e-12          | Type tap holder                     | $\frac{1}{2}$ " Handle 90mm         | 1        | working            |
| e-13          | Ordinary parallel vise              | Box type                            |          |                    |
|               |                                     | 100mm,<br>150mm                     | 5<br>1   | Not working        |
| e-14          | Hand vise                           | Length 100mm,<br>Caliber 25mm       | 1        | Not working        |
| e-15          | Small type vise with Bench          | Gp type 38 mm                       | 1        | working            |
| e-16          | Wrench (adjustable)                 | Size 150mm Usennt $\frac{1}{8}$ "   | 3        | Not working        |
|               |                                     | 200mm $\frac{1}{2}$ "               | 2        |                    |
|               |                                     | 250mm $\frac{3}{8}$ "               | 1        |                    |
|               |                                     | 300mm $\frac{1}{2}$ "               | 1        |                    |
|               |                                     | 375mm 1"                            | 1        |                    |
| e-17          | Pipe wrench                         | 150mm, 450mm                        | 20       | Not working        |
| e-18          | Wire Gauge                          | BWG. ESWF, JES                      | 1"       | " "                |
| e-19          | Screw pitch Gauge                   | Metric 0.25-2.5p,<br>60°, 28 pieces | 1<br>10  | " "<br>Not working |

| NO   | DESCRIPTION                 | SPECIFICATION  | QUANTITY              | REMARKS            |
|------|-----------------------------|--|-----------------------|--------------------|
| e-20 | Soldering Iron              | 110v, 60w with<br>cords (2m) 110v,<br>300w, with cords   | 2                     |                    |
| e-21 | End Bend wrench             | 150mm  | 2                     | ing<br>Not work    |
| e-22 | Screw Driver                | 6 set  | 10                    | Not work           |
| e-23 | Heavy type screw-<br>driver | ellow clear plastic<br>edge width spindle<br>length<br>4.5mm 50mm<br>5.5mm 75mm<br>6.0mm 100mm<br>8.0mm 150mm<br>9.0mm 200mm | 2<br>2<br>2<br>3<br>3 | ing<br>Not working |
| e-24 | Baby screw driver           | Fellow clear plastic<br>handle edge width<br>3mm spindle length<br>50mm  | 2                     | Not working        |
| e-25 | Steel screwDriver           | edge width 3mm spindle<br>length 50mm  | 2                     | Not working        |
| e-26 | Cross point screw           | for 3mm screw<br>" 4mm screw<br>" 5mm "<br>" 6mm "   | 2<br>2<br>2<br>2      | Not working        |
| e-27 | Oiler                       | Plastics, bottom<br>dia 60mm<br>Height 80mm, 150cc   | 2                     | Not working        |
| e-28 | plane for wood<br>working   | Cutter width 70mm<br>width two plate<br>base<br>35mm   | 2                     | Not working        |
| e-29 | pipe Reamer                 | 35mm   | 2                     |                    |
| e-30 | pipe Bender                 | for 1/2" - 1"<br>conduit with<br>hand for 1/2"<br>with conduit   | 1<br>1                | Not working        |
| e-31 | Knife for elect-<br>cian    |  | 8                     | Not working        |
| e-32 | Socket wrench               | 13 set<br>3/8 7/16, 1/2, 9/16<br>19/32, 5/8, 21/32<br>11/16, 3/4, 25/32<br>13/16, 7/8, 5/16                                  | 1 set                 | Not working        |



| NO   | DESCRIPTION                  | SPECIFICATION  | QUANTITY | REMARKS     |
|------|------------------------------|--|----------|-------------|
| e-33 | External micro-meter         | 0-25mm<br>25-50mm  | 1<br>1   | Not working |
| e-34 | Micron Micrometer            | 0-25mm   | 1        |             |
| e-35 | Inside micrometer            | 25-50mm caliper<br>type  | 1        | Not working |
| e-36 | Dial Gauge                   | 1/100mmx10mm   | 1        |             |
| e-37 | Dial thickness Gauge         | a scale 0.01mm<br>measurement - allowable<br>10mm frame depth 20mm |          |             |
| e-38 | Depth Couple Vernier caliper | type N. 150mm,<br>200mm  | 1<br>5   | One working |
| e-39 | Stainless steel Rule         | 300mm<br>1000mm  | 20<br>3  | Two working |
| e-40 | Folding wooden Rule          | Yellow   | 7        | Two working |
| e-41 | Angle Rule                   | 50cm<br>both side scale  | 1        | Not working |
| e-42 | Flat type square             | 150mmx100mm  | 5        | Not working |
| e-43 | Square with Base             | 200mmx130mm  | 5        |             |
| e-44 | Box Type surface plate       | 300mmx300mmx50mm   | 1        | Not working |
| e-45 | Surface Gauge                | 300mm  | 2        | Not working |
| e-46 | Steel compass                | 125mm<br>200mm   | 10<br>5  | 2 working   |
| e-47 | Caliper                      | 100mm outside  | 5        | "           |
|      | " "                          | 250mm inside   | 5        | "           |
|      | " "                          | 100mm "  | 5        | "           |
|      | " "                          | 150mm one side   | 3        | "           |
| e-48 | Thickness Gauge              | No, 60 M.60mmx12.7x<br>19 leaves                                   | 1        | "           |
| e-49 | Gap Gauge for Motor          | Thickness 0.03-1.0mm<br>No.400 N.400x12.7<br>0.04-0.3mm, 9 leaves  | 1        | "           |
| e-50 | Bolt clipper                 | 1is, 300mm, cutting 5mm<br>1is, 450mm, cutting 8mm                 | 1<br>1   | "<br>"      |

| NO   | DESCRIPTION                 | SPECIFICATION  | QUANTITY                             | REMARKS                    |
|------|-----------------------------|--|--------------------------------------|----------------------------|
| e-51 | Wrench (6 pieces with case) | A Type (6.8) (10.12) (12.14) (14.17) (17.19) (21.23)mm   | 2 set                                | Not working                |
| e-52 | Box Driver                  | Screw dia 3.2mm 4.2mm, 4.8mm, 5.0mm 6.0mm  | 2                                    | Not working                |
| e-53 | Cutting plier               | 175mm with insulation cover 10,1000V   | 6                                    | Not working                |
| e-54 | Nipper                      | 150mm  | 10                                   | One working                |
| e-55 | Radia plier                 | 150mm with insulation cover  | 8                                    | Not working                |
| e-56 | Combinatin plier            | 150mm 200mm  | 5 4                                  | Not working                |
| e-57 | Chisel                      | flat<br>10mmx150mm<br>16mmx180mm<br>22mmx200mm<br>slotting<br>47mmx150mm<br>80mmx200mm<br>Concrete chisel<br>Octagon dia 16mmx180mm<br>22mmx240mm  | 2<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | Not working<br>Not working |
| e-58 | Hammer                      | $\frac{1}{2}$ length 300mm<br>$\frac{1}{2}$ "  | 5<br>5                               | Not working<br>"           |
| e-59 | Wooden Hammer               | 60mm Round   | 3                                    | Not working                |
| e-60 | Gear puller                 | Screw dia, hand length<br>both leg length<br>$\frac{1}{2}$ x10 $\frac{1}{2}$ "x10 $\frac{3}{4}$ ", 9 $\frac{1}{2}$ ",<br>1x12 $\frac{1}{2}$ ", 11" | 2<br>1                               | Not working<br>"           |
| e-61 | Scraper                     | flat 16mm<br>length 200mm  | 5                                    | Not working                |
| e-62 | Stick for cosmetic          | Oak  | 10                                   |                            |
| e-63 | pin set                     | 15cm   | 4                                    | Not working                |
| e-64 | Chasis punch                | 16x18x21x25x30mm   | 3                                    | Not working                |
| e-65 | Voltage slidack             | Single phase 240V<br>second output<br>500W 0-270v 2A<br>750w 0-270v 3A   | 2<br>2                               | Not working                |

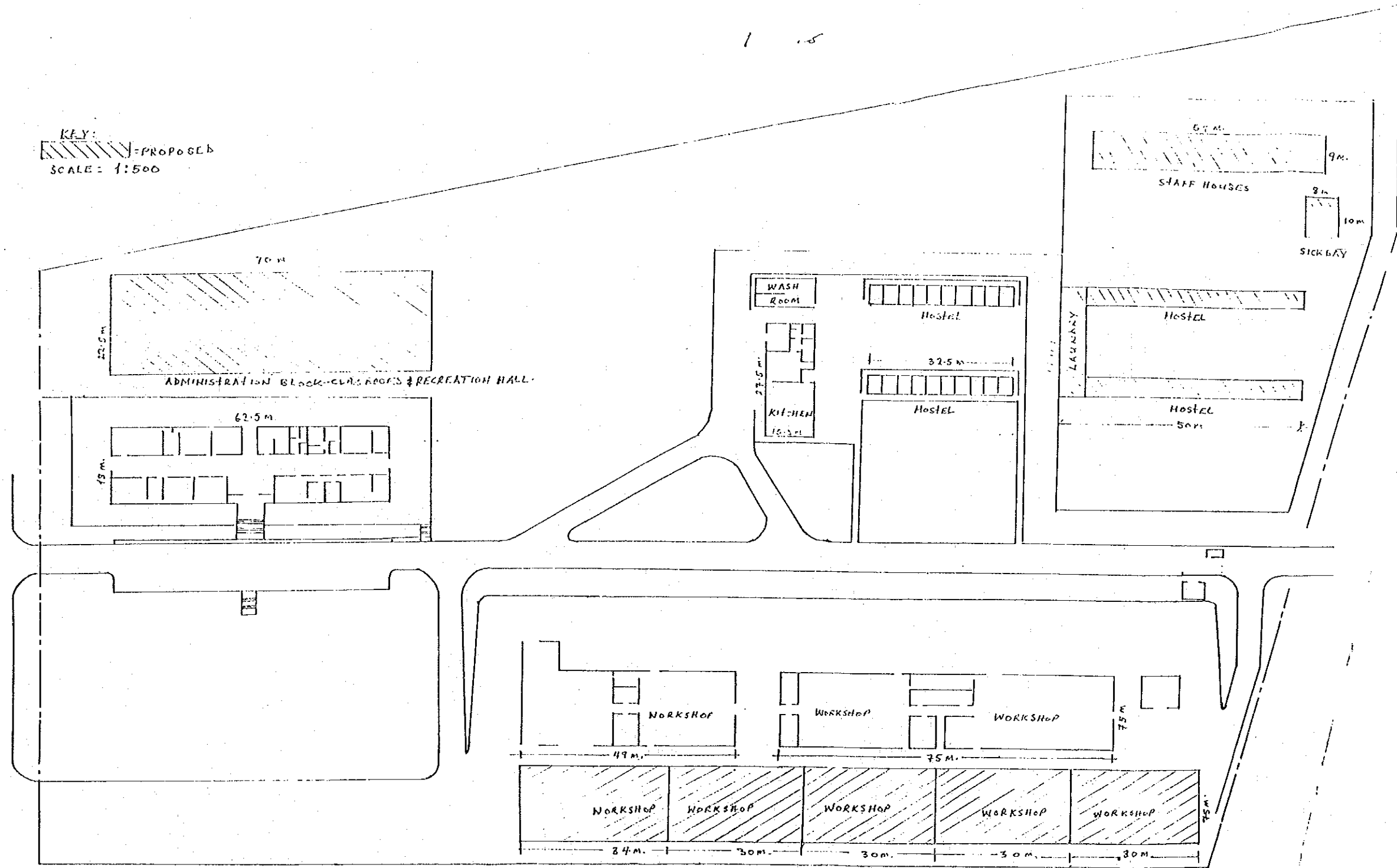
| NO   | DESCRIPTION                   | SPECIFICATION  | QUANTITY              | REMARKS               |
|------|-------------------------------|--|-----------------------|-----------------------|
| e-65 |                               | 300W 0-270v 1.2A<br>for wall panel<br>single phase 1KW 4A            | 2<br>1                |                       |
| e-66 | Beaker                        | 200cc hard glass   | 2                     | Not working           |
| e-67 | Cherry                        | 75mm dia   | 2                     | "                     |
| e-68 | Metre Glass                   | 500cc  | 2                     | "                     |
| e-69 | Cylinder                      | 500cc  | 2                     | "                     |
| e-70 | Glass spir stick              | 5mm dia  | 2                     | "                     |
| e-71 | Thermometer                   | Mercury 0-300°C  | 2                     | "                     |
| e-72 |                               | Alcohol 0-150°C  | 2                     | "                     |
| e-72 | Thermometer                   | Dry and wet -10°C-40°C   | 1                     | "                     |
| e-73 | Push Button switch            | 250v, 2A, for two way  | 2                     | "                     |
| e-74 | Micro switch                  | magnet Voltage<br>240v, 250v, 5A for<br>two way                      | 4                     | "                     |
|      | Micro switch                  | Magnet voltage<br>240v, 250v, 10A<br>3 ways                          | 2                     | "                     |
| e-75 | Micro Timer                   | 0-30 sec contact point<br>4 way 250v 5A                              |                       |                       |
|      | "                             | 0-5min   | 1                     | "                     |
|      | "                             | 0-30min  | 1                     | "                     |
|      | "                             | 0-12 hours   | 1                     | "                     |
| e-76 | Keep Relay                    | Magnet voltage<br>240v, 4 way 250v<br>5A                             | 1                     | "                     |
| e-77 | Change over Knife<br>switch 9 | Plastic cover<br>double throw<br>3p 15A 250v<br>3p 30A "<br>2p 15A " | 1<br>1<br>1           | "<br>"<br>"           |
| e-78 | Knife switch with<br>cover "  | 3p 30A<br>2p 30A<br>3p 30A<br>2p 60A<br>3p 60A                       | 1<br>1<br>1<br>1<br>1 | "<br>"<br>"<br>"<br>" |
| e-79 | Centre punch                  | 6"   | 5                     | "                     |
| e-80 | Tool Box                      | 410x110 x 150mm  | 10                    | "                     |

| NO   | DESCRIPTION          | SPECIFICATION   | QUANTITY | REMARKS     |
|------|----------------------|---|----------|-------------|
| e-81 | Chisel for wood work | Length 20cm, cutter 5mm   | 2        | Not working |
|      |                      | Length 20cm, cutter 10mm  | 2        |             |
| e-82 | Double - edged saw   | for wood working saw, 30cm  | 2        | Not working |
| e-83 | Auger                | for wood working  | 2        |             |
| e-84 | Machinist file       | flat with 20mm  |          |             |
|      | "                    | 250mm   | 10       | 2 working   |
|      |                      | smooth 250  | 10       | 2 working   |
|      |                      | round width 10mm  |          |             |
|      |                      | rough 250mm   | 10       | 2 working   |
|      | "                    | smooth 250  | 5        | 1 working   |
|      |                      | half round 250mm  | 10       | 2 working   |
|      |                      | smooth 250mm  | 5        | 1 working   |
| e-85 | Set files            | smooth 20 piece   | 4        | Not working |
| e-86 | Wire Brush           |   | 10       | Not working |
| e-87 | Surface plate        | 600x600x100mm   | 1        | Not working |
| e-88 | Wire stripper        | Cutter No 3 (0.8mm-1.6mm-2mm)   | 5        | 1 working   |
|      | "                    | Cutter No 3(0.5mm-0.7mm-1.0)  | 5        | Not working |
| e-89 | Cutter for paper     | 60cmx60cm with scale  | 1        | Not working |
| e-90 | Marking needle       | 200mm   | 5        | Not working |
| e-91 | Storage Battery      | 12v 7.5 AH  | 1        | "           |
|      |                      | 6v 15 AH  | 2        | "           |
| e-92 | Reversible switch    | 30A, 12KW   | 1        | "           |
| e-93 | Magnet switch        | dust proof type max allowance voltage 600v, max current 7.4A 50HZ, 1.5kw-3 phase 1.m. | 1        | "           |
|      |                      | dust proof type max allowance voltage 600v, max current 16A 50Hz                      | 1        | Not working |





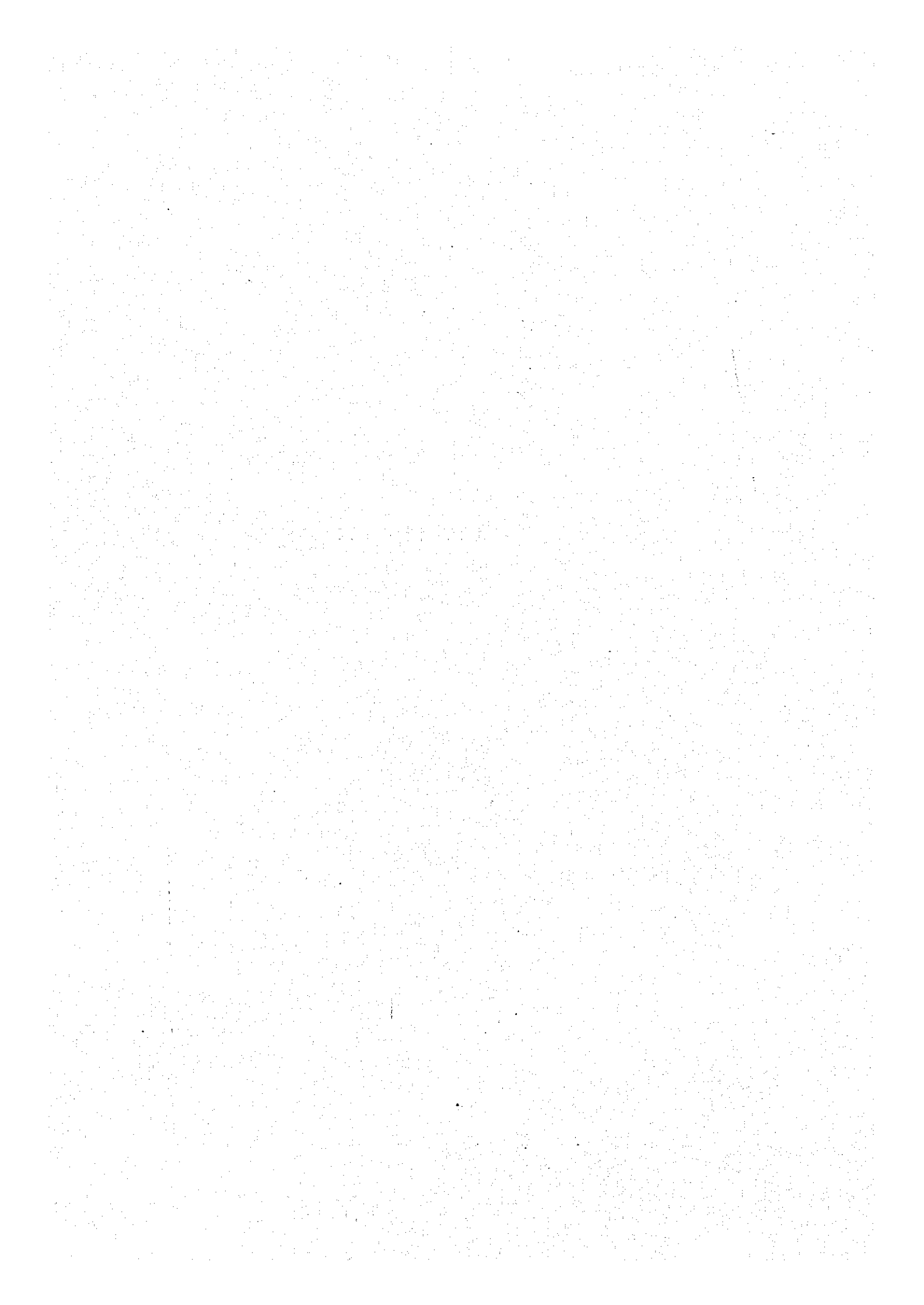




PROPOSED WORKSHOPS, ADMINISTRATION BLOCK, CLASS-ROOMS, HOSTELS, ETC. FOR NAKAWA V.T.I.







VOCATIONAL TRAINING INSTITUTE, NAKAWA

UGANDA ELECTRICITY BOARD TRAINING COURSE FROM 13-12-93 TO 14-01-94

WEEKLY REPORT: 1st Week from 13th December, 1993 to 19th Dec. 1993.

TOTAL NUMBER OF TRAINEES: 13

Orokode R. reported on 14th December, 1993.

Mutungi D. reported on 15th December, 1993.

DAILY ATTENDANCE:

Kezaala T. asked permission to go and solve his domestic problems at home, on Friday afternoon 17th December, 1993. Otherwise everybody attended throughout the week.

WEEKLY PERFORMANCE

Topics Covered.

CRAFT THEORY:

- Safety precautions
- Definitions (IEE Regs.)
- Types of Insulating materials
- Class work and Home work.

ELECTRICAL PRINCIPLES:

- ATOMIC structure
- Basic units (SI system)
- Common multiples and Submultiples
- Electric circuit
- Ohm's Law (Introduction)
- Class work and Home work.

MARKS ATTAINED

|       |                 | CLASS WORK                          |  |                                     | HOME WORK                                |
|-------|-----------------|-------------------------------------|--|-------------------------------------|--|
|       |                 | CRAFT THEORY<br>14-12-93, OUT OF 15 | ELECTRICAL PRINCIPLES<br>17-12-93, OUT OF 10 | CRAFT THEORY<br>16-12-95, OUT OF 10 | ELECT. PRINCIPLES<br>15-12-93, OUT OF 15 |
| 1.    | MWAMBU N.       | 10                                  | 06   | 08                                  | 11                                       |
| 2.    | ONZIMA P.       | 08                                  | 04   | 06                                  | 09                                       |
| ✓ 3.  | KITASIMBWA A.K. | 07                                  | 04   | 05                                  | 08                                       |
| ✓ 4.  | SSENTONGO V.    | 09                                  | 07   | 07                                  | 13                                       |
| ✓ 5.  | KEZAALA T.      | 10                                  | 05   | 08                                  | 15                                       |
| 6.    | MUSESI R.       | 10                                  | 08   | 08                                  | 10                                       |
| ✓ 7.  | KOI N.H.        | 11                                  | 05   | 09                                  | 14                                       |
| ✓ 8.  | SSEKIZIYIVU     | 09                                  | 05   | 07                                  | 11                                       |
| ✓ 9.  | JJEMBA A.K.     | 08                                  | 03   | 05                                  | 08                                       |
| × 10. | ISIKO F.        | 06                                  | 07   | 05                                  | 13                                       |
| × 11. | KALMA T.        | 07                                  | 03   | 05                                  | 10                                       |
| 12.   | ENOTU J.M.      | 07                                  | 03   | 06                                  | 08                                       |
| 13.   | MUTUNGI         | -                                   | 04   | 04                                  | 09                                       |
| 14.   | ORCKODE R.      | -                                   | 06   | 07                                  | 13                                       |

VOCATIONAL TRAINING INSTITUTE - NAKAWA

DIRECTORATE OF INDUSTRIAL TRAINING

MINISTRY OF LABOUR & SOCIAL AFFAIRS

PAPER: ELECTRICAL TECHNOLOGY

CLASS: U.E.B. LINESMEN

DATE: 11TH FEBRUARY, 1994

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. ALL numbers carry equal marks.
2. ALL candidates should attempt five (5) questions in the following order -
  - (i) ALL candidates should attempt question ONE (1).
  - (ii) ALL candidates should attempt any four (4) questions from question two (2) to question nine (9).

I WISH YOU SUCCESS

\*\*\*\*\*0\*\*\*\*\*

1.
  - (a) Write down three main cause of electric shock.
  - (b) How would one remove a casualty from contact with live conductor if the switch gear or main switch is not in the vicinity.
  - (c) Explain one type of artificial respiration one would use in case of a fatal electrical shock causing a fracture on the left arm.
  - (d) What type of artificial respiration would one use to avoid transmission of diseases.
  - (e) What type of wound would one get if he or she is pierced by a nail or a knife or a piece of wood leaving comparatively a small opening on the foot, hence allowing blood to escape; explain how one would give first-aid to such a casualty
  
2.
  - (a) Write down two types of insulating materials that are mainly used on overhead lines.
  - (b) List four types of insulators that are used on distribution and transmission wires carrying voltages ranging from 240V up to 132 kv.
  - (c) What do you understand by the following terms -
    - (i) Puncture voltate
    - (ii) Flashover voltage
  - (d) Explain the effect of improving the efficiency of string insulator by reducing the units?
  - (e) Write down one effective method of improving the efficiency of a string insulator.
  - (f) Write down two types of gasses that are used in electrical transformers and machines as both insulant and coolants.
  
3.
  - (a) Draw clearly a britannia and married joints
  - (b) Which one of the types is mainly used on distribution and transmission wires and explain why?
  - (c) If there happens to be a loose joint having resistance of 0.025-ohms on a conductor carrying 200A, calculate -
    - (i) The power loss on that joint

- (ii) The voltage drop across the joint.
- (iii) Name two effects that can be caused by such loose joint on a conductor.
- (d) List four types of conductor materials that are in general use for overhead lines.
4. A coil of resistance 20-ohms and inductance of 0.08H is connected to supply at 240V, 50HZ. Calculate -
- (i) The current in the circuit
- (ii) The value of a capacitor to be connected in a series with the coil so that the current shall be 12.A.
5. Five resistor 30-ohms, 25-ohms, 20-ohms, 15-ohms and 10-ohms are connected in series to a D.C supply of 240V. Calculate the following -
- (a) The total resistance
- (b) The current through the circuit
- (c) The current through the 30 ohm resistor
- (d) The p.d across each resistor
- (e) Power developed by 20 ohm and 10 ohm resistors.
6. (a) The steel-cored aluminium (S.C.A) conductor is described as  $2.6\text{cm}^2$  I.C.A, 7/54/0.32cm, what is the actual nominal cross-sectional area of steel-cored aluminium (S.C.A) conductor?
- (b) Explain what is meant by expression 7/54/0.32cm of steel-cored aluminium conductor.
- (c) What is the importance of having different layers twisted in the sense opposite to the layer below, on some overhead line conductors.
- (d) Calculate the length of copper conductor, 1.5mm nominal diameter, to have resistance of 0.3-ohm, given that the resistivity of copper is 0.017 micro - ohm - meter.
7. Name the instruments that would be used to measure the following -
- (i) Current
- (ii) Voltage

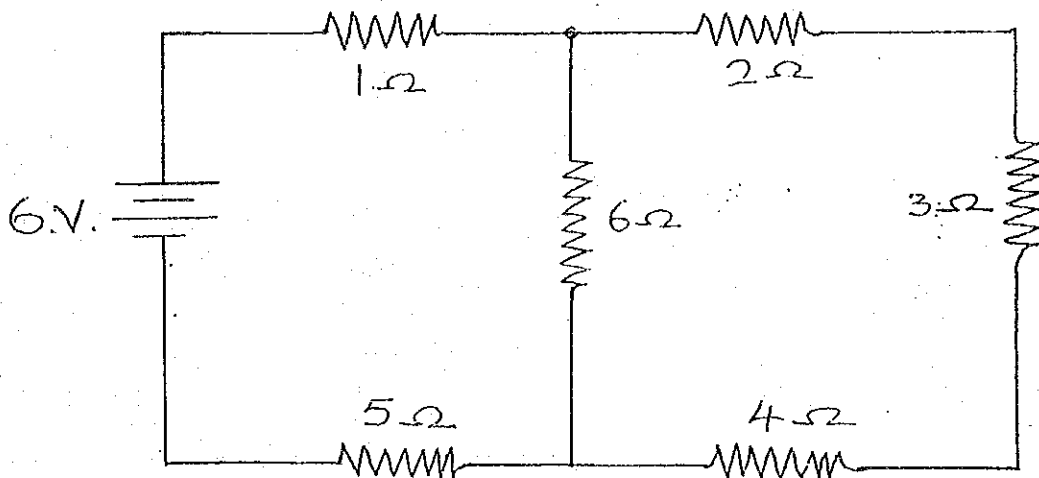


7 (cont.)

- (iii) Power
  - (iv) Insulation resistance
  - (v) Speed of the rotor
- (b) Name four types of tests that should be carried out on an installation before connecting it to power supply -
- (i) What instrument(s) should be used to carry out the tests.

8. Two resistors each 3 kilo ohm are connected in series, a 4 kilo ohm resistor is connected in parallel to the two resistors; the combination is connected in series with 5.6 kilo ohm resistor; the whole electrical circuit is connected across a 24.v D.C supply. Calculate the following -

- (i) Total resistance
  - (ii) Current through the 4 kilo ohm resistor
  - (iii) Current through the 5.6 kilo ohm resistor
  - (iv) The p.d across the 3 kilo ohm resistor.
9. (a) Using Kirchhoff's Laws, calculate the current passing through the following resistors in the given circuit diagram drawn below -
- (i) 5 ohms
  - (ii) 6 ohms
  - (iii) 3 ohms
- (b) The power dissipated by a 4 ohms resistor.



別添-19 自動車技術の訓練コース・カリキュラム

1. Engine

|                                 |       |
|---------------------------------|-------|
| 1. Tightening the cylinder head | 5     |
| 2. Adjusting the valves         | 5     |
| 3. How to check spring tension  | 5     |
| 4. The correct use of tools     | 5     |
|                                 | <hr/> |
|                                 | 20    |
| 5. The knowledge of the parts   | 100%  |

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2. Ignition system:

|  |       |
|--|-------|
| 1. Timing the distributor                | 8     |
| 2. Adjusting the points                  | 5     |
| 3. Checking the faulty secondary circuit | 4     |
| 4. Correct use of tools                  | 3     |
|  | <hr/> |
|  | 20    |
| 5. The knowledge of the parts            | 100%  |

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3. Steering system:

|  |       |
|--|-------|
| 1. Checking the wheel alignment          | 5     |
| 2. Removing a leaf spring                | 5     |
| 3. Checking a shock-absorber/not removed | 5     |
| 4. The correct use of tools              | 5     |
|  | <hr/> |
|  | 20    |
| 5. The knowledge of the parts            | 100%  |

---

4. Fuel system:

|   |       |
|---|-------|
| 1. Bleeding a diesel engine                         | 8     |
| 2. Brazing a diesel tank                            | 7     |
| 3. Checking a mechanical fuel pump (for<br>pumping) | 3     |
| 4. Correct use of tools                             | 2     |
|   | <hr/> |
|   | 20    |
| 5. The knowledge of the parts                       | 100%  |

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5. Braking system:

|                                |          |
|--------------------------------|----------|
| 1. Bleeding the braking system | 8        |
| 2. Adjusting the brake shoes   | 7        |
| 3. Correct use of tools        | <u>5</u> |
|                                | 20       |
| 4. The knowledge of parts      | 100%     |

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TRAINEE'S DIARY

VOCATIONAL TRAINING INSTITUTE, NAKAWA

DATE:.....NAME OF THE TRAINEE:.....

TRAINEE'S ATTENDANCE REPORT

ABSENT:.....LATE:.....LEAVING:.....

| PERIOD:            | SUBJECT: | CONTENTS OF THE SUBJECT |
|--------------------|----------|-------------------------|
| INSTRUCTOR'S NAME: |          |                         |
| 1. -----           |          |                         |
| 2. -----           |          |                         |
| 3. -----           |          |                         |
| 4. -----           |          |                         |
| 5. -----           |          |                         |

Student's views:.....

.....

Instructor's views:.....

.....

Senior Instructor:.....

.....

Deputy Principal:.....

.....

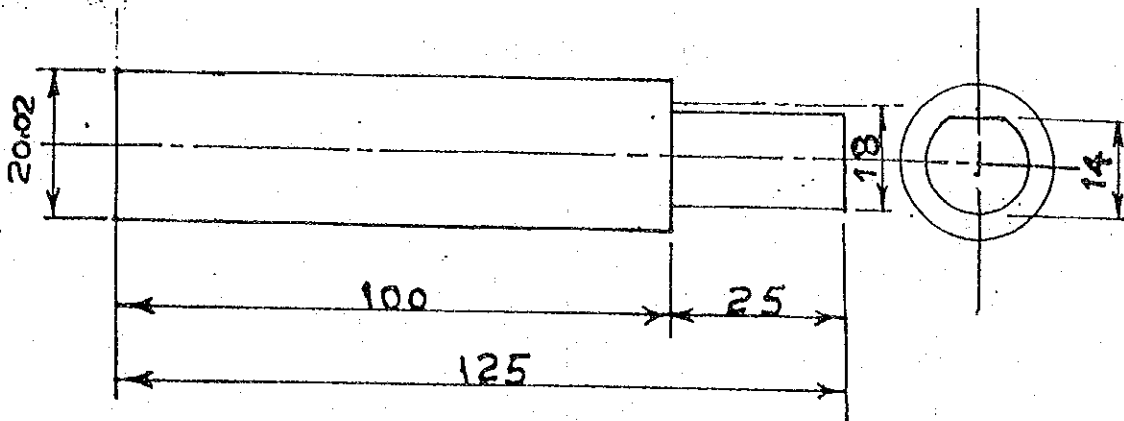
Principal:.....

.....

DRG 21  
TURNING  
VOCATIONAL TRAIN  
INSTITUTE  
NAKAWA

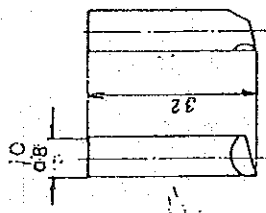
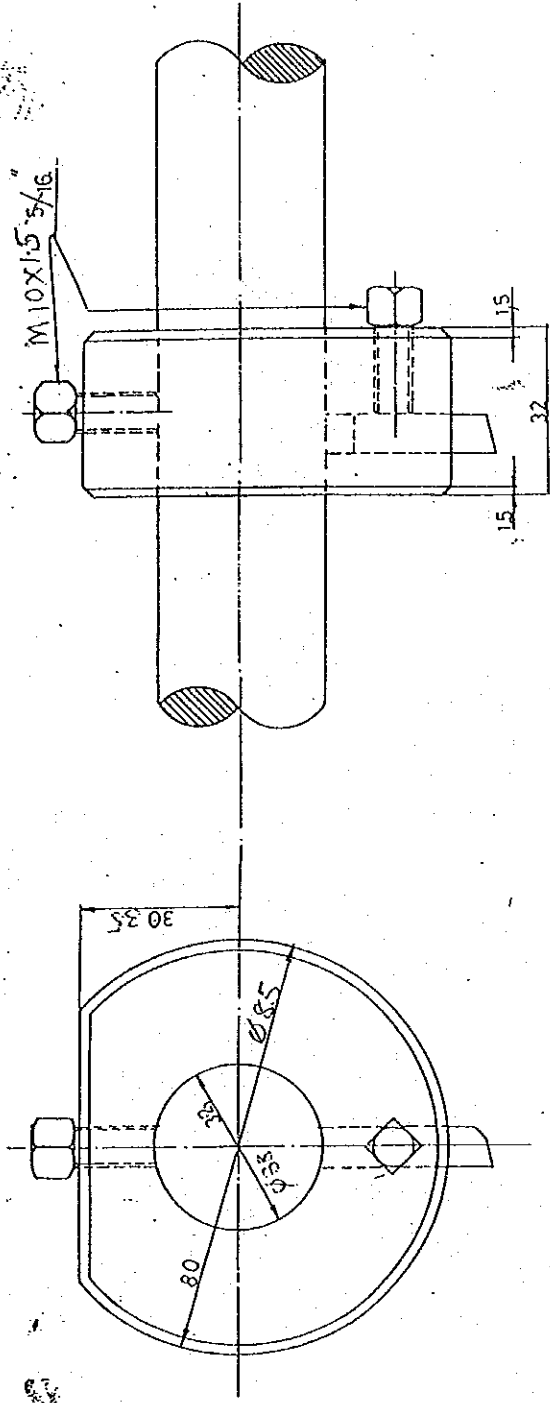
L A T H E P R A C T I C E

SUBJECT GEAR PUMP SHAFT



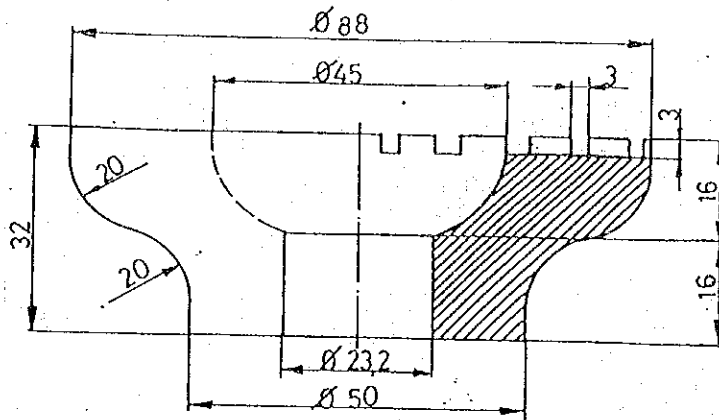
PROCESSING ORDER

1. Hold the work in 3 jaw chuck about 15 mm and centre.
2. Set R.H. turning tool in tool post, and adjust to lathe center height.
3. Face the end true.
4. Drill the center hole by the combination center drill. Push the tail stock rotating center.
5. Turn down to 20.50 mm dia. to a length 128 mm. (340 r.p.m). Use vernier caliper.
6. Turn down to 18.50 mm dia. length 25 mm.
7. Finish 20.02 mm dia. and 18.01 mm dia. use 0 - 25 mm micrometer.
8. Chuck again and finish the end to total length 125 mm. Remove all sharp corners.

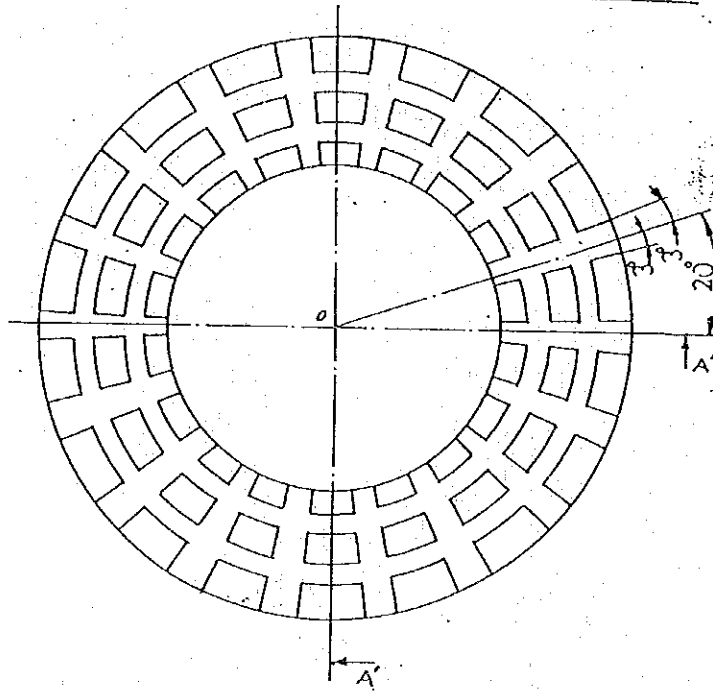


2 OFF  
 BORING CUTTING TOOL  
 MATERIAL: HSS

|                              |       |     |                           |          |            |
|------------------------------|-------|-----|---------------------------|----------|------------|
| Cast Iron or (1540)          | 1/1   | 1   | BORING TOOL HOLDER (HEAD) | Quantity | 09-1       |
| Material                     | Scale | QTY | Description               | Drawn By | Drawing No |
| Cost of Material             |       |     |                           |          |            |
| Cost of Machining and Labour |       |     |                           |          |            |
| The other expenses % 70      |       |     |                           |          |            |
| Total Cost                   |       |     |                           |          |            |
| Behaviour and Tidy           |       |     | Name                      |          |            |
| Measurement                  |       |     | Made By                   |          |            |
| Production Time              |       |     | Instructor                |          |            |
| Production Quality           |       |     | Senior Insr               |          |            |
|                              |       |     | Vocational Training Inst  |          |            |
|                              |       |     | Nikawa                    |          |            |
|                              |       |     | Section:                  |          |            |
|                              |       |     | Date                      |          |            |
|                              |       |     | Signature                 |          |            |

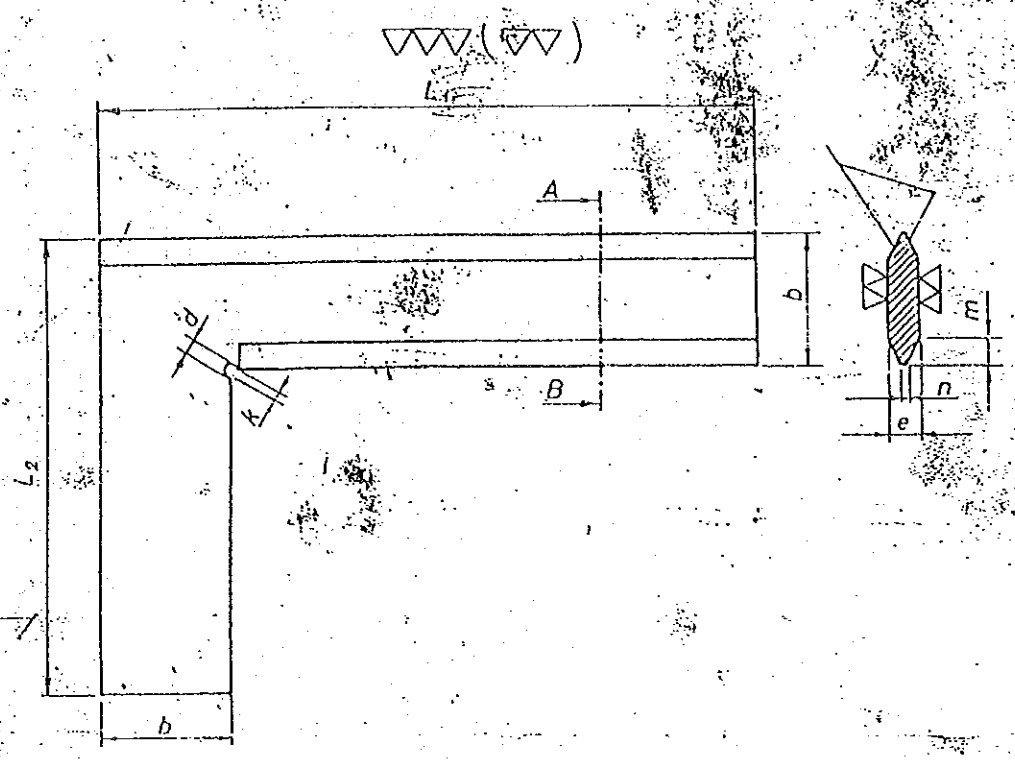


SECTION 'AA'



|                              |       |             |                          |             |            |
|------------------------------|-------|-------------|--------------------------|-------------|------------|
| Cast Iron or<br>1340 B0MS    | 1/1   | 1           | SCREW JACK               | J. O. W. S. | T. 24 - 3  |
| Material                     | Scale | QTY         | Description              | Drawn By    | Drawing No |
| Cost of Material             |       |             |                          |             |            |
| Cost of Machining and Labour |       |             |                          |             |            |
| The other expenses % 40      |       |             |                          |             |            |
| Total Cost                   |       |             |                          |             |            |
| Behaviour and Tidy           |       |             | Name                     | Signature   | Date       |
| Measurement                  |       | Made By     |                          |             |            |
| Production Time              |       | Instructor  |                          |             |            |
| Production Quality           |       | Senior Inse |                          |             |            |
|                              |       | Modul:      | Vocational Training Inst |             |            |
|                              |       | Section:    | Nakawa                   |             |            |



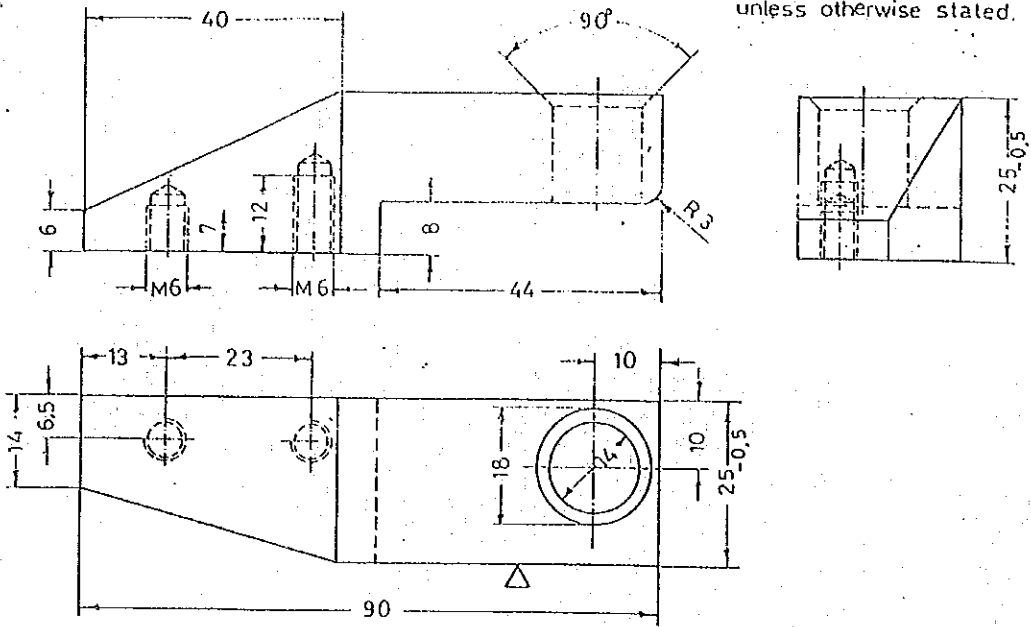


| Seri No: | $L_1$ | $L_2$ | $b$ | $e$ | $m$ | $n$ | $d$ | $k$ |
|----------|-------|-------|-----|-----|-----|-----|-----|-----|
| 1        | 70    | 50    | 17  | 2,5 | 3,5 | 0,7 | 1,8 | 0,5 |
| 2        | 100   | 70    | 20  | 3   | 4   | 0,9 | 2   | 0,5 |
| 3        | 120   | 80    | 22  | 4   | 4,5 | 1   | 2   | 1   |
| 4        | 140   | 95    | 24  | 5   | 5   | 1   | 2,5 | 1,5 |
| 5        | 140   | 95    | 24  | 6   | 5   | 1   | 2,5 | 1,5 |

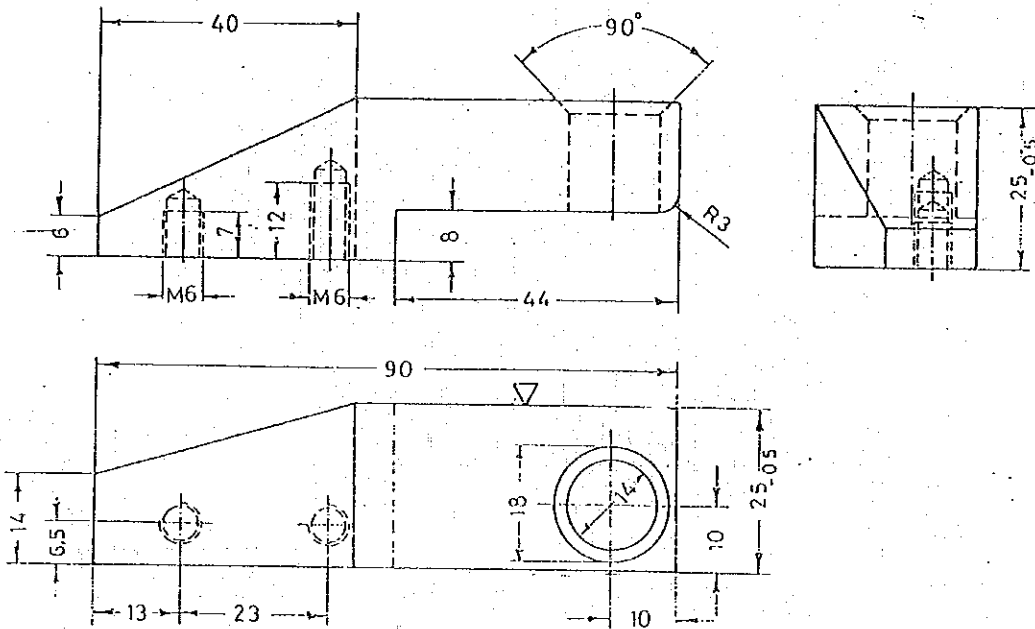
|                              |       |              |                       |                |            |
|------------------------------|-------|--------------|-----------------------|----------------|------------|
| 1340                         |       | 1            | SQUARE                | <i>A. Omer</i> | 1/05       |
| Material                     | Scale | QTY          | Description           | Drawn By       | Drawing No |
| Cost of Material             |       |              |                       |                |            |
| Cost of Machining and Labour |       |              |                       |                |            |
| The other expenses % 20      |       |              |                       |                |            |
| Total Cost                   |       |              |                       |                |            |
| Behaviour and Tidy           |       |              | Name                  | Signatures     | Date       |
| Measurement                  |       | Made By      |                       |                |            |
| Production Time              |       | Instructor   |                       |                |            |
| Production Quality           |       | Senior Insp. |                       |                |            |
|                              |       | Modul:       | Vocational Training I |                |            |
|                              |       | Section:     | Makawa                |                |            |

▽▽(▽) 2

Tolerance  $\pm 0.1$   
unless otherwise stated.



3



Cut thread M6 during assembling.

SCALE 1:1

SIDE PIECE LEFT & RIGHT

MP/2,3/4,3,2/6,2

(For paper punch)

Fitting / Assembling



DEVELOPMENT CELL FOR SKILLED LABOUR TRAINING

PAK-GERMAN TECHNICAL TRAINING PROGRAMME

VOCATIONAL TRAINING INSTITUTE, NAKAWA

COURSE ASSESSMENT FORM

SECTION 1

Course Title:.....

Your Name:.....

Course Instructor (s):.....

Duration:.....Date:.....

Your Organisation:.....

Your Job (Title):.....

Responsible to (Title):.....

Please give a brief description of your job:

List most important tasks:

---

SECTION 2

Please complete each section by ticking the appropriate box

1. Your reason for attendance:

Did (a) Your organisation advise you to come?

Did (b) You ask your organisation if you might come?

---

2. COURSE AIMS:

|   | Completely               | Fairly                   | Not very                 | Not at                   |
|---|--------------------------|--------------------------|--------------------------|--------------------------|
|   |                          | Well                     | Well                     | all                      |
| Did the course achieve its aims?            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| To what extent were your specific aims met? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

COURSE CONTENT:

Considering the course aims:

Too Advanced      About Right      Too Elementary

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|

Very Relevant      Relevant in part only      Not at all Relevant

Was the level of subject treatment:

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|

Very Interesting      Interest- ing      Not at all Interesting

Were the subjects?

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|

(For more detailed comments please refer to section 9 below)

4. COURSE METHOD:

Was the course length

Too Long      About Right      Too Short

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|

Was the pace of the course

Too fast      About Right      Too Slow

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|

How satisfied were you with the: equipment (Visual Aids, etc.)

Very Satisfied      Satisfied      Not Satisfied because

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|

Teaching materials (handouts, etc.)

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|

5. TRADE TEST:

I was tested on ..... and hold a   F. Certificate.

I was tested on..... and failed the test.

I have not applied for it but I should like to do so on.....

.....

and be considered for

---

6. COURSE ADMINISTRATION:

|   | Very Satisfied           | Satisfied                | Not Satisfied because    |
|---|--------------------------|--------------------------|--------------------------|
| Planning and organisation of the course           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Teaching accommodation (sitting, etc. audibility) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Catering  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Living accommodation (if residential)             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

---

7. RECREATION AND SPORT:

Specify your favourite game and sport by choice:

(1st).....

(2nd).....

(3rd).....

(4).....

8. OVERALL ASSESSMENT:

Bearing in mind the general objectives of the course, what is your overall assessment?

|                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|
| Excellent                | Very<br>Good             | Good                     | Fairly Good              |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fair                     | Below                    | Unsatis-<br>factory      | Appalling                |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

9. SUBJECT ANALYSIS:

Please indicate your opinion of the effectiveness of the instruction given in each subject: (If more appropriate, mention only high/low subject areas).

| SUBJECT | Subject covered well     | Content                  |                          | Good                     | Method                   |                          |
|---------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|         |                          | Fairly well              | Not Very well            |                          | Fair                     | Poor                     |
|         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

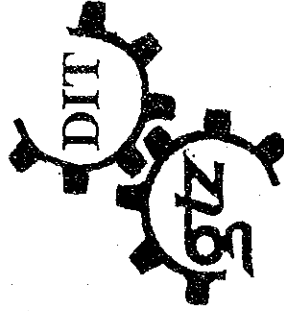


**The Republic of Uganda**

**Ministry of Labour  
& Social Affairs**

**DIRECTORATE OF INDUSTRIAL TRAINING**

Vocational Training Centre  
LUGOGO



*Technical Cooperation*

**UGANDA - GERMANY**

The Vocational Training Centre Lugogo is located next to the DIT Headquarters in the industrial suburb of Lugogo, 59/61 Jinja Road, P.O.Box 20050 K'la, Tel. 259357.

It's aim is to provide industries and enterprises as well as the informal sector, with the necessary skilled labourforce, and consequently to contribute to the development of the Ugandan economy as a whole.

The centre is an institution of the Directorate of Industrial Training, under the Ministry of Labour & Social Affairs. It is assisted by the German Government through GTZ.

Apprenticeship-training is offered to 'O' level certificate holders as from April 1st, 1992 in the following trades:-

1. Fitter Machinist
2. Plumber & Pipefitter
3. Welder & Fabricator
4. Auto Mechanic
5. Auto Electrician
6. General Electrician
7. Carpenter & Joiner
8. Bricklayer & Plasterer
9. Painter & Decorator

After three years' training, which consists of practical work (75%) and theoretical instructions (25%), as well as in-plant training in various enterprises (at the 3rd year), final examinations will lead to a craftsman/-woman certificate. Training courses starting annually from first week of April.

For the same trades and in various techniques, skill improvement and up-grading courses are conducted and offered to workers in the field; duration is from 2 upto 8 weeks, according to requests and requirements. Because of tremendous costs for training materials and conduction, course fees are being charged for all programmes.

## FACTS & FIGURES

### 1. Contribution of Partners

German funds earmarked for the project amount to US \$ 6.5 million for rehabilitation of buildings and constructions, additional machineries, equipment, materials, motor vehicles, technical know-how through German experts and scholarships.

Ugandan staff comprise of not less than 40 instructors and teachers and 30 administrative and supporting staff. All personnel- and running cost shall be born by the Ugandan Partner.

### 2. Project Dimensions

|                                |           |
|--------------------------------|-----------|
| Project area                   | 7.000 sqm |
| -----                          |           |
| 11 workshops                   | 1.600 sqm |
| 8 classrooms                   | 320 sqm   |
| offices & preparation rooms    | 180 sqm   |
| stores                         | 200 sqm   |
| kitchen, canteen, social rooms | 270 sqm   |

### 3. Capacity

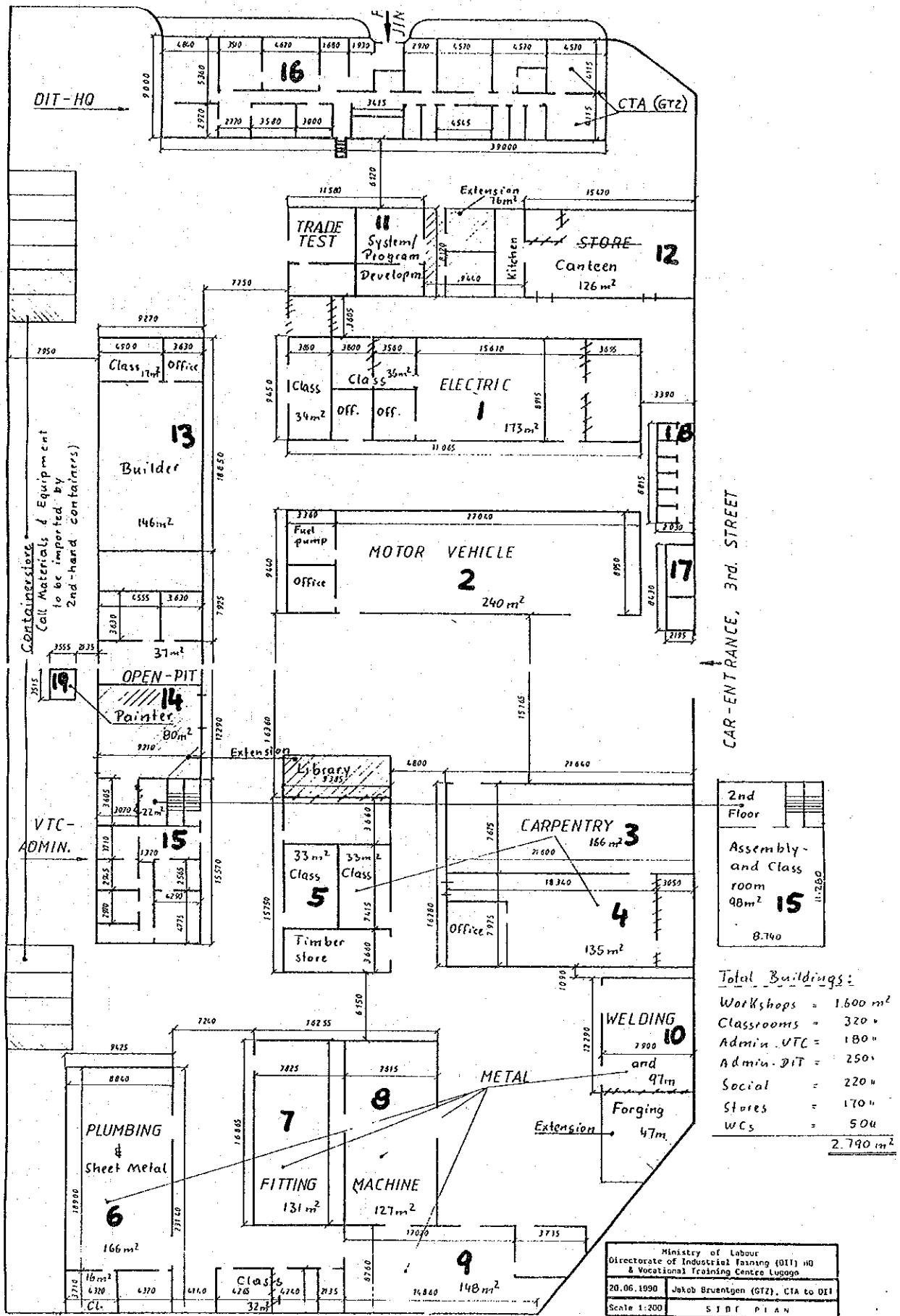
The total capacity will be 312 apprentices (104 per year), trained in the above mentioned trades.

### 4. Duration of Training

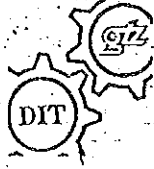
The period of training, which includes institutional and in-plant training, will be three years:



別添-25 ルゴゴ訓練所の建物配置図



**Ministry of Labour and Social Affairs**  
**DIRECTORATE OF INDUSTRIAL TRAINING**  
**Vocational Training Centre**  
**Lugogo**



**TRAINING OPPORTUNITIES**  
Applications are invited from suitable boys and girls to undergo a three years engineering course at Vocational Training Centre Lugogo in the following trades:

|                              |                                |
|------------------------------|--------------------------------|
| 1. Motor vehicle mechanics   | 5. Carpentry and joinery       |
| 2. Electrical installation   | 6. Metal machining and fitting |
| 3. Welding and fabrication   | 7. Brick-block laying          |
| 4. Plumbing and pipe fitting | 8. Painting and decoration     |

The modern equipped VTC-Lugogo is supported by -GTZ- (German Technical Cooperation) and offers training by highly qualified and experienced staff with the aim to qualify the trainees as craftsmen/ -women/ entrepreneurs.

**Entrance-Qualification:** Applicants should possess UCE "O" level

The courses are commencing in April 1994. Trainees will undergo a 2 year intensive institutional training and 1 year industrial attachment. No boarding facilities available..

|               |                                  |                      |
|---------------|----------------------------------|----------------------|
| <b>Costs:</b> | <b>Tuition Fees</b>              | <b>UShs 65,000/=</b> |
|               | incl. lunch                      |                      |
|               | <b>Caution Money</b>             | <b>UShs 20,000/=</b> |
|               | refundable if no losses incurred |                      |
|               | <b>Application forms</b>         | <b>UShs 3,000/=</b>  |
|               | per Person                       |                      |

**Special attention for girls and women !**  
The country needs a strong technical labour force. Why should it be boys and men only? We would like to encourage you for a technical trade, because we know, you can do it! Please help the country to eradicate the traditional discrimination against involvement of girls and women in practical vocational training.

**Application forms and further information should be obtained from :**

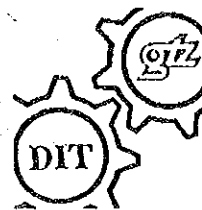
|  |   |
|--|---|
| The Principal,<br>Vocational Training Centre<br>Lugogo<br>P.O. Box 20133 / KAMPALA | The Commissioner,<br>Directorate of<br>Industrial Training<br>P. O. Box 20050 / KAMPALA |
|--|---|

Telephone 236 864

Closing date of submission of application forms is 18th March 1994

# Ministry of Labour and Social Affairs

## Directorate of Industrial Training Vocational Training Centre Lugogo



### TRAINING OPPORTUNITIES

Applications are invited from suitable boys and girls to undergo a 3 year Engineering course at Vocational Training Centre Lugogo in the following trades:

- |                              |                                |
|------------------------------|--------------------------------|
| 1. Motor vehicle mechanics   | 5. Carpentry and joinery       |
| 2. Electrical installation   | 6. Metal machining and fitting |
| 3. Welding and fabrication   | 7. Brick-block laying          |
| 4. Plumbing and pipe fitting | 8. Painting and decoration     |

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|               |                                  |                      |
|---------------|----------------------------------|----------------------|
| <b>Costs:</b> | <b>Tuition Fees</b>              | <b>UShs 65,000/=</b> |
|               | incl. lunch                      |                      |
|               | <b>Caution Money</b>             | <b>UShs 20,000/=</b> |
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|               | <b>Application forms</b>         | <b>UShs 3,000/=</b>  |
|               | per Person                       |                      |

### Special attention for girls and women

The country needs a strong labour force. Why should it be boys and men only? We would like to encourage you for a technical trade, because we know, you can do it! Please help the country to eradicate the traditional discrimination against involvement of girls and women in practical vocational training.

Application forms and further information should be obtained from undermentioned offices:

|  |   |
|--|---|
| The Principal,<br>Vocational Training Centre<br>Lugogo<br>P.O. Box 20133 / KAMPALA | The Commissioner,<br>Directorate of<br>Industrial Training<br>P. O. Box 20050 / KAMPALA |
| Telephone 041/236 864  |   |

Closing date of submission of application forms is 18th March 1994





別添-27 ドイツGTZのZOPP手法のマトリックス

| PROJECT PLANNING MATRIX   |  | Project: Strengthening of the Directorate of Industrial Training (DIT) and Vocational Training Centre Lugogo (VTC-L), Uganda   |  | Planning Periods: 02/1994 - 01/1997 |  | Date of Issue: 9th July '93 |  |
|---|--|--|--|-------------------------------------|--|-----------------------------|--|
| OBJECTIVE SUMMARY   | OBJECTIVELY VERIFIABLE INDICATORS  | MEANS OF VERIFICATION  | IMPORTANT ASSUMPTIONS  |                                     |  |                             |  |
| Overall Goal<br>Quality and relevance of VT system in Uganda improved   | Indicators that measure achievement of Overall Goal<br>a) At least 4 other TE/VT institutions have started to follow the VTC-L model by 01/1997  | a) Plans, budgets, curriculums of TE/VT institutions   |  |                                     |  |                             |  |
| Project Purpose<br>Qualified VTC-L leavers are employed in Ugandan economy  | Indicators that measure achievement of Project Purpose<br>a) Annually 80% of VTC-L leavers are wage- or self-employed in Ugandan economy from 09/1995 onwards  | a) Tracer study;<br>Follow-up reports  | To achieve Overall Goal  |                                     |  |                             |  |
| Results/Outputs<br>1) DIT-management / ITC based on semi-autonomy are efficient and effective<br>2) Coherent national TE/VT system initiated<br>3) Infrastructure of DIT and VTC-L is operational<br>4) Qualified and activated VTC-L staff employed<br>5) VTC-L trainees are adequately qualified  | Indicators that measure achievement of Results/Outputs<br>1a) Vacancies filled according to organisation chart and job description by 04/1994<br>1b) DIT is in full control of all its funds (budget allocation; income; etc.) by 01/1996<br>1c) Budget proposals are available at DIT in December of each year<br>1d) Auditable accounting system in place by 04/1994<br>1e) Important data (e.g. attendance; performance (training and production); information/feedback on programs and activities) for decision making (management and control) are regularly available as from 03/1994<br>1f) Viable and efficient concept of industrial training levy is submitted to the Ministry by 03/1994<br>1g) At least 10% of the trainees intake is female by 12/1995<br>2a) Proposal for collection of levy handed to Minister by 04/1994<br>2b) Important topics of a TE/VT policy (gaps within the existing structure; duplications between activities of MoE and MoL; demarcation of roles of participating bodies in VT; consideration of roles of marginalised groups (e.g. women)) are proposed to the Ministries by 12/1994<br>2c) Top level consultations between MoE and MoL held at least twice a year as from 02/1994<br>3a) RII infrastructure is in operation by 06/1995<br>3b) Transport for more than 3 'in-plant' visits per week is available as from 02/1994<br>4a) At least 35 instructors/teachers with appropriate credentials are employed at VTC-L by 04/1994<br>4b) 44 qualified instructors/teachers are permanently employed and perform effectively by 12/1996<br>4c) Staff turn-over is reduced to 10% by 06/1996<br>5a) 90% trainees of 4th batch placed for industry attachment by 01/1997<br>5b) Annually more than 65% 3rd year trainees obtain craft certificates as from 03/1996<br>5c) Annually at least 800 person-training-months rendered through upgrading courses as from /1997 | 1a) Staff lists<br>1b) Reconciliation statement;<br>Balance sheets;<br>Budget releases (MoF)<br>1c) Copy of budget proposal<br>1d) Annual auditing report<br>1e) Attendance register;<br>Performance statistics;<br>Minutes of meetings;<br>Reports<br>1f) Copy of concept proposal<br>1g) Admission list<br>2a) Draft proposal<br>2b) Statistics of feasible leavers;<br>White paper on VT;<br>Copy of white paper on TE;<br>Detailed data of all VTCs in Uganda<br>2c) Minutes of meetings<br>3a) Visual proof;<br>List of inventory;<br>Sectional reports<br>3b) Sectional reports;<br>Reports from 'In-plant'-TO<br>4a) Staff list<br>4b) Staff appraisal report<br>4c) Staff appraisal report<br>4d) Staff attendance lists<br>5a) Placement records of VTC-L<br>5b) VTC-L list of best results;<br>VTC-L certificates<br>5c) Records of short courses;<br>Attendance lists | To achieve Project Purpose<br>- Qualified VTC-L leavers seek employment<br>- Labour market absorbs qualified VTC-L leavers<br>- Market allows self-employment  |                                     |  |                             |  |
| Activities<br>1.2) Advise MoLSM to fill vacant posts<br>1.3) Initiate accreditation of private institutions<br>1.4) Ensure regular meetings of ITC<br>1.5) Establish the MIS<br>1.6) Ensure regular communication flow at all levels<br>1.7) Ensure regular contacts to public and other institutions<br>1.8) Submit regularly budget to concerned authorities<br>2.1) Ensure follow-up of the approach<br>3.1) Approach P&T for telephone connection<br>3.2) Rehabilitate existing machinery and equipment<br>3.3) Complete equipment<br>3.4) Maintain regularly buildings, machinery and equipment<br>3.5) Prepare inventory list<br>3.6) Invoce staff/student recreation facilities<br>3.7) Obtain audio-visual for teaching and recreation facilities | qualified staff<br>4.2) Train staff at all levels<br>4.3) Establish dynamic incentive schemes for staff<br>5.1) Conduct training needs assessment<br>5.2) Up-date training standards<br>5.3) Up-date trade testing system<br>5.4) Up-date in plant training system<br>5.5) Select suitable trainees<br>5.6) Implement training programmes<br>5.7) Request for allowances<br>5.8) Conduct income generating activities<br>5.9) Implement the project 'House-Construction'   |  | To achieve Results/Outputs<br>1) Industrial training levy is available to DIT by 01/1995<br>1/4) Staff appointment approved by PSC<br>1/5) Approved budget directly released by MoFDP to DIT<br>2) Reallocation of ministerial responsibility does not hinder initiation of a national TE/VT system<br>3) DIT efforts concerning industrial attachments are positively responded by industry |                                     |  |                             |  |

















