

TABLE I. - COST CALCULATION FOR PRODUCTION OF PETROL FROM BROWN COAL

| | Unit | Cost per Unit. RM | Motor Petrol Production | | Aviation Petrol Production | | | | |
|---|-------------------|-------------------|-------------------------|----------|----------------------------|--------|----------|-------|--------|
| | | | Per The Motor Spirit | | Per The Aviatn. Spirit | | | | |
| | | | Quantity | RM | Quantity | RM | | | |
| A. Materials | | | | | | | | | |
| 1) <u>Raw materials</u> | | | | | | | | | |
| Brown Coal | Tne | 3.00 | 324 | 972.00 | 4.475 | 324 | 972.00 | 5.138 | 15.41 |
| Brown Coal Tar | " | 80.00 | 15.60 | 1248.00 | 0.215 | 15.6 | 1248.00 | 0.247 | 19.79 |
| 2) <u>Other Materials.</u> | | | | | | | | | |
| Make-up Gas (96% H ₂) | M ³ | 0.042 | 160800 | 6753.60 | 2221 | 165000 | 6930.00 | 2617 | 109.90 |
| Red Earth (dried) | Tne | 20.00 | 15.3 | 306.00 | 0.211 | 15.3 | 306.00 | 0.243 | 4.85 |
| Catalyst and other chemical | | | | 144.80 | | | 182.00 | | 2.89 |
| 3) <u>By-Products</u> | | | | | | | | | |
| Bubane x | Tne | 170.14 | 5.35 | 910.25 | 0.074 | 13.48 | 2293.49 | 0.214 | 36.37 |
| Propane x | " | 170.14 | 6.65 | 1131.43 | 0.092 | 7.39 | 1257.33 | 0.117 | 19.94 |
| Ethane | " | 110.00 | 2.87 | 315.70 | 0.040 | 2.90 | 319.00 | 0.046 | 5.06 |
| Hydrogenation Gas | 10 ³ . | 7.00 | 198 | 1386.00 | 2.735 | 204 | 1428.00 | 3.235 | 22.65 |
| | T.Cals | | | | | | | | |
| B. Running Costs (See Table II) | | | | 6637.43 | | | 6916.89 | | 109.69 |
| Production Cost | | | 72.40 | 12318.45 | 1.000 | 63.06 | 11257.07 | 1.000 | 178.51 |
| C. Loading & Evaporation | Tne | 3.00 | 72.40 | 217.20 | 1.000 | 63.06 | 189.18 | 1.000 | 3.00 |
| D. On-Costs (I.C. direction, research, etc.) | | | | 1220.66 | | | 1220.66 | | 19.36 |
| WORKS COST | | | 72.40 | 13756.31 | 1.000 | 63.06 | 12666.91 | 1.000 | 200.27 |

x Valued at cost of production of Motor Petrol.

1/ Designates credit against operating costs.