(Ze 1)

RAILWAYS, CANALS, ROADS, TELEGRAPHS, AND TELEPHONES.

Each Line or Company should be separately entered.

The particulars required should be extracted from the accounts for the last completed year, the date of which should be stated.

If possible, the total tonnage and passenger mileage should be given for the railways.

For roads, particulars of total lengths should be given.

For canals, the same particulars as in the case of railways and telegraphs, as far as applicable, should be stated.

Terminal Station of each.	Whether constructed, owned, or worked by Government, or by Private Body.	Length open for traffic.	Gauge of Railway or Width of Canal.
Roads and Streets,	Owned by Government.	377 miles.	
Kowloon-Canton Railway, British Section, (1)	Do.	21·76 miles.	4′ 8½″
*Telegraph and Telephone Lines, Route,	Do.	192 miles.	.....
Do. Conductors,	Do.	4,550 miles.	.....
Multiple-core Cables crossing the Harbour,	Do.	2,100 yds.	.....
Eight core Cable between Tai Kok Tsui and Stonecutters Island,	Do.	1 naut.	.....
Green Island Cable crossing Sulphur Channel,	Do.	820 yards.	.....
Waglan Cables, two	Do.	7 miles.	.....
Under-ground Cable,	Do.	66·25 miles.	.....
Kap Sing Mun Pass Cable,	Do.	1,800 yards.	.....
Chung Chau Channel Cables, (2)	Do.	3,100 yards.	.....
Telegraph Pipe Lines,	Owned by the Eastern Extension Australasia and China Telegraph Company.	1·865 nauts.	.....
Telegraph Land Cables,	Do.	5·916 nauts.	.....
Iron Troughs underground containing 6 twin Core Cables,	Do.	1·947 miles.	.....
Under-ground Cables,	Owned by the Great Northern Telegraph Company.	6·64 miles.	.....
Aerial Telegraph Lines,	Owned by the Eastern Extension and Great Northern Telegraph Companies.	22·13 miles (line) 66·39 „ (wire)	.....
Telegraph Cables crossing the Harbour,	Do.	1·95 nauts.	.....
Telephone Routes, Aerial (Pole Route),	Owned by the Hong Kong Telephone Company.	27·02 miles.	.....
Under-ground Armoured Cables (No duct trench),	Do.	158 miles.	.....
Under-ground Cable in Ducts,	Do.	46·8 miles.	.....
Under-ground Ducts,	Do.	64·3 miles.	.....
Cables crossing the Harbour,	Do.	3·781 miles.	.....
Cables crossing the Harbour Trunk,	Do.	1·12 miles.	
Conductors, Aerial, single line :— Iron Wire 295.034 / Bronze Wire 305.66 } 600.694 cir. miles	Do.	1196·6 miles.	.....
Conductors Submarine, Single Line :— 313.56 cir. miles	Do.	568·74 miles.	
Conductors Submarine, Single Line :— 29·19 cir. miles	Do.	58·38 miles.	
Conductors Underground, Single Line :— L. C. 27045·87 cir. miles / Armoured 6066·975 „ „ } 33112 cir. miles.	Do.	66769· miles.	.....
Conductors Covered Distribution, Single Line:— 580·833 cir. miles.	Do	1154·7 miles.	.....
Conductors Aerial Cable, Single Line :— 24·55 cir. miles.	Do.	49·1 miles.	.....

1.—Main Line.

Construction Expenditure up to 31st December 1933	$20,331,501.57
Special Expenditure for the year 1934 chargeable to Capital	63,999.44
	$20,395,501.01
Less adjustment in connection with re-railing No. 2 Tunnel in 1928 and other adjustments ...	18,256.60
	$20,377,244.41

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Passenger and Miscellaneous Receipts 1934 ...	$1,565,550.66
Goods Receipts, 1934	74,224.41
	$1,639,775.07

RADIO STATIONS.

(1)—Cape D' Aguilar Radio Station. Position:— { Lat. 22° 12′ 38.61″ N. Long. 114° 15′ 18.94″ E.

Transmitters

No.	Call Signal.	Frequency in k/cs.	Wave length in meters.	Description and Aerial input.	Normal working range.	Service on which employed.
1	VPS	300	1,000	I.C.W. 150 watt, self excited valve transmitter (1,000 periods). Local Make.	100	Radio Beacon, for enabling ships at sea to take wireless bearings when approaching Hong Kong.
2	VPS	300 375 425 500	1,000 800 705 600	I.C.W. 150 watt, self excited valve transmitter (1,000 periods). Marconi MC8A.	100	For alternative wave working with ships at sea in the vicinity of Hong Kong, and reserve Radio Beacon.
3	VPS	500	600	Continuous or I.C.W. (600 periods), 2 KW, self excited valve transmitter. Marconi Type U.	350	(*a*) Marine. (*b*) Emits a summary of meteorological conditions daily at 0018, 0400, 0830 and 1200 G.M.T. (corresponding to 0818, 1200, 1630 and 2000 (H.K. time). (*c*) Emits typhoon warnings immediately on receipt and at 18 minutes past each of the subsequent two hours. (*d*) Emits navigation warnings on receipt and after the completion of the weather reports at 0400 and 1200 G.M.T. (*e*) Emits time signals controlled from the Royal Observatory, Kowloon, twice daily at 0156-0200 and 1256-1300 G.M.T.
4	VPS	8333	36	Continuous wave, 250 watt valve transmitter. Valve M.O. Marconi TN7A. (Also spare Local Make 150 watt self excited).	1,000	(*a*) Communication with ships fitted for short wave reception. (*b*) Emits time signals controlled from the Royal Observatory, Kowloon, twice daily at 0156-0200 and 1256-1300 G.M.T.
5	ZCF4	2682.5	111.8	See No. 19.		Alternative frequency for No. 19.
6	...	2770	108·3			Emergency frequency.
7	ZCE4	3403.75	88.136	See No. 17.		Alternative frequency for No. 17.
8	ZEM	4780	62.76	I.C.W. (600 periods), 500 watt, self excited valve transmitter. Local Make. (300 Cycle Alt.).	1,000	Transmission of commercial traffic to Macao and South China.
9	ZCF3	5365	55.92	See No. 19.		Alternative frequency for No. 19.

(1)—Cape D'Aguilar Radio Station—*(Contd.)*

Transmitters

No.	Call Signal.	Frequency in k/cs.	Wave length in metres.	Description and Aerial input.	Normal working range.	Service on which employed.
10	ZCH	5995	50.04	I.C.W. (100 periods), 500 watt, self excited valve transmitter. Local Make. (50 Cycle Mains).	1,000	Transmission of commercial traffic to Swatow and points in South China.
11	...	5905	50.8	.....		Emergency frequency.
12	ZCE3	6807.5	44.068	See No. 17.		Alternative frequency for No. 17.
13	ZCI	6915	43.38	Continuous wave, valve transmitter, 250 watt, valve Master Oscillator. Marconi TN7A.	500	Transmission of commercial traffic to Taihoku, Foochow and alternatively to Swatow, Amoy, Kwongchowan and other stations as required.
14	ZCF2	8047.5	37.28	See No. 19.		Alternative frequency for No. 19.
15	...	8650	34.68			Emergency frequency.
16	ZCG	9440	31.78	Interrupted Continuous wave 600 periods, 1 K.W. Marconi S1. (300 Cycle Alt.).	2,000	Transmission of commercial traffic to British North Borneo, Manila and other stations as required.
17	ZCE2	10211.25	29.378	C.W/I.C.W. 2 K.W. Valve Transmitter. Franklin Constant frequency M.O. Control. Marconi SWB4b (3 Phase supply).	2,000	Transmission of commercial traffic to Shanghai and alternatively to Malabar, Saigon and Bangkok.
18	...	10640	28.2			Emergency frequency.
19	ZCF	10730	27.96	C.W/I.C.W. Valve Transmitter 2 K.W. Franklin Constant Frequency M.O. Control. Marconi SWB4b (3 Phase supply).	2,000	Transmission of commercial traffic as required to Shanghai, Hanoi, Yunnanfu, Malabar, Saigon and Bangkok.
20	...	13100	22.9			Emergency frequency.
21	ZCE	13615	22.034	See No. 17.		Alternative harmonic frequency for No. 17.
22		17380	17.26			Emergency frequency.
23	...	23075	13.00			Emergency frequency.
				Only Nos. 4, 13 and 16 can be considered as other than Spot Frequency (+ - 2%) S/W. Transmitters.		

(2)—Victoria Peak Radio Station. Position :— { Lat. 22° 16′ 38.56″ N. Long. 114° 08′ 31.95″ E.

24	Receiving Station only.	Reception of all fixed services. 3 Medium Wave Receivers. 3 Commercial S/W. Receivers. } A.C. 20 General purpose S/W. Receivers. } operated. 8 Emergency S/W. Receivers. D.C. 1 Sub-Standard Frequency Checking Equipment.

(3)—Gap Rock Lighthouse. Position :— { Lat. 21° 48′ 50″ N. Long. 113° 56′ 18″ E.

Transmitters

No.	Call Signal.	Frequency in k/cs.	Wave length in metres.	Description. and Aerial input.	Normal working range	Service on which employed.
25	VRA	500	600	Interrupted Continuous Wave, (800 periods), ·05 K.W. self excited valve transmitter.	50	Reporting of vessels entering the harbour and meteorological.

(4)—Waglan Lighthouse. Position :— { Lat. 22° 11′ 20″ N. Long. 114° 15′ 18.20″ E.

26	VRB	500	600	Interrupted Continuous Wave, (800 periods), .05 K.W. self excited valve transmitter.	50	Reporting of vessels entering the harbour and meteorological.

(5)—Cheung Chau. Position :— { Lat. 22° 12′ 42″ N. Long. 114° 01′ 46″ E.

27	VRC	1364	220	Continuous Wave, .025 K.W. self excited valve transmitter.	20	Police.

(6)—Tsim Sha Tsui. Position :— { Lat. 22° 17′ 50″ N. Long. 114° 10′ 03″ E.

28	VRD	1364	220	Continuous Wave, .05 K.W. self excited valve transmitter.	50	Police.

(7)—Tai O. Position :— { Lat. 22° 15′ 00″ N. Long. 113° 51′ 30″ E.

29	VRF	1364	220	Interrupted Continuous Wave, (800 periods), .05 K.W. self excited valve transmitter.	50	Police.

(8)—Rescue Tug "Kau Sing"

30	VPFR	1364 500 425.5	220 600 705	Interrupted Continuous Wave, (800 periods), .05 K.W. self excited valve transmitter.	50	Harbour.

(9)—Police Launch No. 2.

Transmitters

No.	Call Signal.	Frequency in k/cs.	Wave length in metres.	Description and Aerial input.	Normal working range	Service on which employed.
31	VPFZ	1364 500	220 600	Interrupted Continuous Wave, (800 periods), .05 K.W. self excited valve transmitter.	50	Police.

(10)—Police Launch No. 3.

32	VPBQ	1364 500	220 600	Interrupted Continuous Wave, (800 periods), .05 K.W. self excited valve transmitter.	50	Police.

(11)—Police Launch No. 4.

33	VPFT	1364 500	220 600	Interrupted Continuous Wave, (800 periods), .05 K.W. self excited valve transmitter.	50	Police.

(12)—Government Radio Office, Ground floor, P. & O. Building, Des Voeux Road, Central, Victoria.

Central control and emergency receiving office, controls all Cape D'Aguilar transmitters and receives signals picked up by the Government Receiving Station at Victoria Peak by means of a system of tone channels, accepts and delivers telegrams to and from ships at sea, to most places in the Far East, American Continents, Australasia and Europe, receives and publishes Rugby Press messages twice daily, maintains communication with Waglan Lighthouse by submarine cable, or alternatively in the event of breakdown, by wireless; also with Gap Rock Lighthouse by wireless, advises Government Departments and the general public as required, of vessels entering the harbour, receives and forwards meteorological telegrams, navigation warnings, health bulletins, controls Police and Harbour Departments' wireless services and issues broadcast receiving licences.

(13)—Inspector W/T Office, 1st Floor, G. P. O. Building, Victoria.

Issues licences to ships, amateur transmitters, and Radio dealers, examines applicants for Wireless Operators' Certificates of Proficiency and is generally responsible for the local administration of wireless under the direction of the Postmaster General and the Chief Electrical Engineer, Public Works Department. Carries out all wireless surveys on behalf of the Board of Trade, London, and Government Marine Surveyor, Hongkong.

(14)—Government Radio Receiving Station, Royal Observatory Grounds, Kowloon.

This station is used for reception only, being the main receiving point for all meteorological services, and the operating and receiving point for marine and harbour services, receives time signals from Nauen, Malabar and Manila daily, receives press messages from Rugby twice daily and accepts and delivers telegrams to or from Kowloon. The equipment consists of 1 Rugby press receiver arranged for "Heartshape" reception. 1 Marconi receiver RG6A, and 1 G.E.C. receiver for marine reception on 600 metres. 1 Marconi receiver type RP2B for reception of long wave meteorological reports and time signals and various short wave receivers for marine and meteorological receptions. Telegraph and emergency tone lines for communication with Government Radio Office.

(15)—Broadcasting Studio, 1st Floor, Gloucester Building, Des Voeux Road, Central, Victoria.

Audio control point for broadcast transmitting station at Hunghom, Kowloon, (Mainland). Premises consist of studios, artists' waiting room, broadcasting committee's offices, control rooms and battery room. The Main control room is equipped with duplicate Marconi audio frequency control equipment comprising "A" and "B" amplifiers, modulation indicator, check receiver, necessary plugs and jacks for inter-connection of units, a twin electric motor turntable cabinet and Marconi Reisz microphones. Other units in the control room are jack board for the connection of outside relays, a time and tuning signal device operated by relay from the Royal Observatory and amplifiers for supplying the hospital and other outsides circuits. The battery room houses duplicate accumulator batteries and a charging board with valve chargers. The Studios are equipped with necessary drapings and carpets, microphones stands, pianos and air conditioning plant.

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(16)—Hung Hom, Kowloon, Transmitting Station.

Position :— { Lat. 22° 18′ 30″ N. / Long. 114° 10′ 42″ E.

Transmitters

No.	Call Signal.	Frequency in k/cs.	Wavelength in metres.	Description and Aerial input.	Normal working range	Service on which employed.
34	ZBW	845	355	2 KW. Broadcast transmitter, telephony, with thermionic valve frequency control.	500	Broadcasting, musical programmes, weather reports, speeches, etc.
35	ZEK	845 640 500 285.7	355 468·8 600 1050	Telephony and Telegraphy transmitter. 200 watts, self excited valve transmitter.	100	Broadcasting, musical programmes, weather reports, speeches, etc., and emergency Telegraph transmitter.
36	...	5410 or 8750	55.46 or 34.29	Telephony/Telegraphy C.W/I.C.W. Transmitter, 0.5 K.W. Crystal controlled.	1000	Commercial aviation. (Not yet in use).

The Share of the charges due to Hong Kong are given below.

Service.	To		From	
	Fr. ctms.	$ c.	Fr. ctms.	$ c.
(1) Ships at sea with the exception of river boats owned by the Hong Kong, Canton and Macao Steamboat Co.	0.50	...	0.50	...
(2) River boats owned by the Hong Kong, Canton and Macao Steamboat Co.	0.20	...	0.20	...
(3) French Indo-China and Kwongchowan,	0.50	...	0.50	...
(4) Siam,	0.82½	...	0.82½	...
(5) Yunnan	...	0.20	...	0.20
(6) Amoy, Foochow and Shanghai,	...	0.14	...	0.14
(7) Canton and Swatow,	...	0.12	...	0.12
(8) Philippines,	0.30	...	0.30	...
(9) Europe via Manila,	1.086	...	0.553	...
Europe via Malabar,	1.067	...	0.533	...
(10) American Continents via Manila,	1.10	...	0.55	...
American Continents via Malabar,	1.10	...	0.55	...
(11) Dutch East Indies,	1.20	...	0.60	...
(12) British North Borneo,	0.45	...	0.45	...
(13) Formosa,	0.40	...	0.40	...
(14) Macao	...	0.06	...	0.06