

## GOVERNMENT NOTIFICATION.—No. 250.

The following Notice is published.

By Command,

T. SERCOMBE SMITH,  
*Acting Colonial Secretary.*

Colonial Secretary's Office, Hongkong, 1st June, 1898.

## TREASURY NOTICE.

Owners of property are reminded that Crown Rent for the first half-year of 1898 is payable at the Treasury on or before the 24th June, 1898.

A. M. THOMSON,  
*Acting Treasurer.*

Treasury, Hongkong, 1st June, 1898.

## GOVERNMENT NOTIFICATION.—No. 251.

The following Report on the Praya Reclamation Works for 1897 is published.

By Command,

T. SERCOMBE SMITH,  
*Acting Colonial Secretary.*

Colonial Secretary's Office, Hongkong, 4th June, 1898.

## PUBLIC WORKS DEPARTMENT.

No. 259.

PUBLIC WORKS OFFICE,  
HONGKONG, 23rd May, 1898.

SIR,—In accordance with the request of Mr. E. BOWDLER, late Special Engineer, Praya Reclamation Works, I have the honour to forward his report for last year and submit that it be printed separately from the Public Works Department report sent in on the 26th ultimo.

I have the honour to be,

Sir,

Your most obedient Servant,

R. D. ORMSBY,  
*Director of Public Works.*

The Honourable

THE ACTING COLONIAL SECRETARY.

No. 145.

PRAYA RECLAMATION OFFICE,  
HONGKONG, 31st January, 1898.

SIR,—I have the honour to submit for the information of His Excellency the Governor the Statistics and Report on the Praya Reclamation Works for the year ending 31st December, 1897. The statistics have been prepared in accordance with the report and instructions of the Director of Public Works and the Local Auditor and approved by His Excellency the Governor in C.S.O. 818 of 1892.

*Section No. 1.*—Eastern portion on a length of 975 feet and containing 134,560 square feet of land assignable to Crown Lessees. Contract No. 18 made with TSANG KENG on the 21st February, 1894, for completing the upper portion of the sea wall (above the concrete blocks) constructing Storm Water Drains, filling in and reclaiming the land, forming and levelling the roads and footpaths, constructing side channels, concreting and macadamizing roads, footpaths, &c., the work to be completed on the 8th October, 1895. The work under this Contract was suspended on the 18th April, 1896, to allow the new buildings authorized by C.S.O. No. 495 of 1896 being erected on the reclaimed land, also the pipe sewers, water and gas mains being laid, the two former by the Public Works Department and the latter

by the Gas Company. And in view of the delay in completing the work the Contract was cancelled on the 10th July last and the balance retained for maintenance, penalty for overtime, &c. was paid to TSANG KENG on the 14th of that month in full discharge of all claims against the Government on account of this Contract.

On the 28th December tenders were received for completing, concreting and macadamizing the roads, streets, footpaths, &c. of the Eastern portion of this section.

*Section No. 2.*—The sea wall is 770½ feet long and the reclaimed land assignable to the Crown Lessees has an area of 114,480 square feet.

*Contract No. 13* made with TSANG KENG on the 16th August, 1892, for completing the upper portion of the sea wall (above the concrete blocks) constructing storm water drains, filling in and reclaiming the land, forming and levelling the roads and footpaths, constructing side channels, concreting and macadamizing the roads, footpaths, &c., the work to be completed on or before the 7th June, 1894. The work under this Contract was suspended on the 23rd February, 1895, to allow the new buildings authorized by C.S.O. No. 1448 of 1894 being erected on the reclaimed land, also the pipe sewers, water and gas mains being laid, the former by the Public Works Department and the latter by the Gas Company. The work was resumed on the 11th June and with a view to getting the work completed within a reasonable time an agreement was made with TSANG KENG to complete the whole of the work still unfinished and included in the said Contract on or before the 11th January, 1898. The total quantity of work executed under this agreement is 1,665 cubic yards of lime concrete in foundations of Praya road, 1,119½ superficial square of roads and footpaths levelled and formed to shape, 55,331 square feet lime concrete 6" deep laid and rolled surfacing of roads, 11,276 square feet of lime concrete 4" deep laid and rolled surfacing of footpaths, 392½ superficial squares of road macadamized, 160 lineal feet of side channel 2 feet wide laid and 298 lineal feet of channel taken up and relaid.

*Section No. 3.*—The sea wall is 1,060 feet long and the reclaimed land assignable to the Crown Lessees has an area of 216,688 square feet.

*Contract No. 23.*—made with TSANG KENG on the 4th March, 1895, for completing the upper portion of the sea wall, landing steps and landing pier (above the concrete blocks) constructing storm water drains, reclaiming the land, levelling and forming the roads and footpaths, constructing side channels, concreting and macadamizing the roads, footpaths, &c., &c., the whole to be completed on or before the 11th April, 1898. The quantity of work executed during the year under review is as follows, viz., 52,051 cubic yards earth filled in reclamation, 19,605 cubic feet granite ashlar set in cement in sea wall, 415 cubic yards cement concrete backing of sea wall, 1,151 cubic yards rubble stone hand-packed backing of sea wall, 275 cubic yards lime concrete in counterforts and foundation of Praya road, 657 cubic feet granite ashlar in cement in storm water drains, 1,180 lineal feet of stoneware pipes laid in storm water drains, 3,168 superficial feet lime concrete 3" deep under paving, 11,704 superficial feet lime concrete 4" deep surfacing of footpaths, 6,815 superficial lime concrete 6" deep foundations of drains, 2,342 cubic feet rough granite in lime mortar in retaining wall, 2,742 superficial feet granite paving taken up and relaid, 531 superficial feet channel formed in concrete and rendered in cement, 451 lineal feet of channel taken up and relaid, 2,049 lineal feet of granite curb and channel laid in cement, No. 3 manholes built, 19 gullies and gratings set, No. 14 ring-bolts fixed complete and 1,298 cubic feet of granite in old sea wall taken down, the stone cleaned and stacked on the reclaimed land in front of the Sailors' Home.

*Departmental Work* done by the Divers, &c., viz., 560 superficial feet foundations of sea wall and pier levelled, formed and concreted, 110 lineal feet of concrete blocks set containing 3,911 cubic feet weighing about 244 tons and 61 cubic yards rubble stone hand-packed backing of concrete blocks.

*Section No. 4.*—The sea wall is 929 feet long and the reclaimed land assignable to the Crown Lessees has an area of 76,563 square feet. The larger portion of the work on this section during the year under review has been done departmentally, viz., 1,442 superficial feet of foundations of sea wall levelled, formed and concreted, 237 lineal feet of concrete blocks set containing 8,243 cubic feet, and weighing about 515 tons, 82 cubic yards rubble stone hand-packed backing of concrete blocks and 1,894 cubic yards of mud raised by Dredger filled into junks and conveyed outside Green Island.

On the evening of the 7th March last a portion of the rubble stone foundations on a length of 314 feet whilst being weighted with 85,248 cubic feet of concrete blocks weighing about 5,328 tons, suddenly and without warning, subsided to a depth of about 28 feet. All these blocks have been taken up except a few which have either been broken or lost in the mud.

*Section No. 5.*—The length of the sea wall is 1,374 feet and the area of the reclaimed land assignable to the Crown Lessees is 155,243 square feet.

*Contract No. 36,* made with TSANG KENG on the 11th February, 1896, in Confidential C.S.O. No. 2 of 1896, for the construction of the rubble stone foundations of sea wall and storm water drains the whole to be completed on or before the 1st February, 1897.

On the expiration of the time of completion of the Contract the work being still unfinished and the progress slow and unsatisfactory, therefore with a view to getting the work completed so as to allow the upper surface of the rubble stone foundations of sea wall being levelled and concreted and the concrete blocks (forming base of sea wall) laid during the low tides of May, June and July, an agreement was made by the Crown Solicitor (C.S.O. No. 517 of '97) with TSANG KENG and his security, TAI SUN FAT, to complete and hand over the work in three instalments. The first or eastern third of the whole length to be completed on the 23rd April, the middle third on the 23rd May, and the last or western portion on the 8th June. The several portions were not, however, completed until the 16th May, 30th May and 2nd June, the whole being completed on the 17th June.

During the year under review 45,828 cubic yards of rubble stone and quarry chippings were used on this work and about 36,360 superficial feet of the upper surface of the rubble stone foundations roughly formed and levelled.

*Contract No. 44* was made with YAU KUNG CHEUNG on the 10th May (Confidential C.S.O. No. 13 of 1897) for levelling, forming and concreting the upper surface of the rubble stone foundations of sea wall and landing steps on a length of 800 feet, raising foundation of ring-bolts, backing the first course of concrete blocks with rubble stone hand-packed, &c., the whole to be completed on or before the 13th August.

The work was commenced on the 16th May and the following works, viz.:—12,930 superficial feet of rubble stone foundations levelled, formed to shape and concreted (bed for concrete blocks) and 1,182 cubic yards of rubble stone hand-packed backing of concrete blocks. The work was carried on with despatch and completed in a satisfactory manner within the Contract time.

*Departmental Work*, done by Divers, "pontoon crane," &c., viz.:—7,560 superficial feet of rubble stone foundations levelled, formed and concreted forming base of landing steps, laid 6 feet below datum, two courses of concrete blocks containing 5,750 cubic feet and weighing about 369 tons set below datum and 498 cubic yards of rubble stone hand-packed backing of the concrete blocks, and the foundations of sea and landing steps weighted on a length of 493 feet, 175,139 cubic feet of concrete blocks weighing 10,946 tons being used for that purpose.

*Sections Nos. 6 and 7*, between Pottinger Street and Ice House Street, being the Eastern portion of the former on a length (sea wall) of 719 feet and the Western portion of the latter on a length (sea wall) of 283 feet; and the area of the reclaimed land (assignable to the Crown Lessees) of the Eastern portion is 97,013 square feet and of the Western portion 79,910 square feet.

*Contract No. 43*, made with CHAN YING CHEONG on the 8th May. For the construction of the upper portion of the sea wall, landing piers and landing steps (above the concrete blocks) completing the storm water drains, filling in and reclaiming the land, forming and levelling the roads and footpaths, constructing side channels, concreting and macadamizing roads, footpaths, &c., the work to be completed on or before the 7th May, 1898. During the year under review 54,918 cubic yards of earth have been filled in the reclamation, 2,822 cubic yards rubble stone hand-packed in embankment, backing of sea wall, &c., 684 cubic yards cement concrete and 486 cubic yards lime concrete laid in backing of sea wall and storm water drains and hearting of landing piers, 24,110 cubic feet granite ashlar in cement in sea wall, landing pier, and storm water drains, and 20,300 cubic feet granite ashlar in old sea wall taken down, cleaned and re-used in new sea wall.

*Departmental work* done by divers, pontoon crane, block barges, &c. on these sections, viz., 1,498 superficial feet of foundations of sea wall levelled, formed and concreted, 360 lineal feet concrete blocks (single course) set containing 12,420 cubic feet and weighing about 776 tons, 256 lineal feet of foundations of sea wall weighted with concrete blocks containing 91,062 cubic feet and weighing about 5,691 tons and the rubble stone foundation of storm water drain in Pedder Street weighted on a length of 60 feet with concrete blocks containing 7,663 cubic feet and weighing about 479 tons, also 41 cubic yards rubble stone hand-packed backing to first course, base of landing steps.

*Earth filling in reclamations.*—Contract No. 40 made with YAU KUNG CHEUNG on the 1st October, 1896, (Confidential C.S.O. No. 73 of 1896) for excavating and depositing in hopper barges 80,000 cubic yards of earth, of which 63,993 cubic yards have been supplied this year, the whole being completed on the 24th June.

*Contract No. 45* made with CHAN WAN and CHAN LOONG on the 1st July, (Confidential C.S.O. No. 73 of 1897) for excavating and depositing in the hopper barges 70,000 cubic yards of earth, of which 48,460 cubic yards have been supplied this year, also 21,295 cubic yards of earth from Government works (Taipingshan Improvements), 73,254 cubic yards materials raised by the Government Dredger, 12,466 cubic yards of earth and spoil from other sources and 54,918 cubic yards under Contract No. 43 have been deposited in the reclamations, viz., 52,051 cubic yards in Section No. 3, 11,319 cubic yards in Section No. 4, 202,749 cubic yards in Section No. 5, and 60,318 cubic yards in portions of Sections Nos. 6 and 7, making the total quantity of earth and spoil deposited in these reclamations during the year ending 31st December, 1897, 326,437 cubic yards.

*Supply of Portland Cement.*—Contracts Nos. 42 and 46 were made with the Green Island Cement Co. (Confidential C.S.O. No. 5 of 1897 and Confidential C.S.O. No. 41 of 1897 respectively) for supplying 6,000 casks of cement.

Cement supplied by this Company during the year was 5,300 casks. On the 11th November, 1897, a Contract No. 12 P.W.D. (Confidential C.S.O. No. 57 of 1897) was also made with the Green Island Cement Co. for supplying 535 tons of Portland cement in bags of 250 lbs. each, first delivery of 800 bags to be made on the 1st February, 1898.

*Reconstruction of Government Piers.*—Murray Road Pier. Contract No. 41 made with CHAN CHEONG on the 5th January, 1897 (Confidential C.S.O. No. 99 of 1896) for the construction in granite ashlar masonry the upper portion of the pier above the concrete blocks. The work was carried on in a fairly satisfactory manner and the whole completed and opened to traffic on the 16th September. During the year under review 9,118 cubic granite ashlar in cement have been set, 63 cubic yards cement concrete, and 628 cubic yards lime concrete have been laid in hearting of Pier, No. 4 ring-bolts and 5 cast iron boltards have been fixed, also 3 lamp posts with lanterns fixed and the gas laid on complete.

*Departmental work* done by divers, pontoon crane and block barges, to the lower portion of this pier, viz., No. 4 closing blocks of different sizes containing 405 cubic feet have been set and 38 cubic feet cement concrete deposited *in situ*, the guide pile cut off below datum and the foundations trimmed by divers. The piles of the old wharf were cut off below datum and the superstructure removed.

*Nam Pak Hong Pier.*—Departmental work done by divers, pontoon crane and block barges, viz., 1,260 superficial feet rubble stone foundations formed, levelled and concreted, 10,164 cubic feet concrete blocks set in the first, second, third and fourth courses, (the first course being laid 9 feet below Ordnance Datum) and 220 cubic yards rubble stone hand-packed backing of blocks.

The completion of the granite ashlar masonry of the upper portion of this pier above the concrete blocks is included in Contract No. 23, the whole of which, except about one-half the coping and the paving of the platform, have been completed during the year.

*Pedder Street Piers and Landing Steps*, and a portion of the sea wall on each side of the Piers. The upper surface of the rubble stone foundations containing 3,447 superficial feet has been levelled and formed, and 3,652 superficial feet covered with a layer of cement concrete 4 inches thick forming bed for the first course of concrete blocks. The first, second, third and a portion of the fourth course of concrete blocks containing 25,922 cubic feet have been set and the joints and joggles run in cement. The hearting containing 799 cubic yards of rubble stone has been laid and hand-packed by divers, the rubble stone foundations have been weighted and consolidated, concrete blocks containing 130,032 cubic feet and weighing about 8,127 tons having been used for that purpose.

*Pottinger Street Pier.*—The quantities of masonry and hearting of the upper portion of the pier above the concrete blocks are included in Contract No. 43 completion of Eastern and Western portions of Sections Nos. 6 and 7.

*Making Concrete Blocks.*—Contract No. 24 made with YAU KUNG CHEUNG on the 24th February, 1895, (C.S.O. No. 297 of 1895), for the manufacture of 1,000 concrete blocks was in September of the same year extended for the manufacture of 1,500 additional concrete blocks; in October, 1896, it was again extended for the manufacture of 800 concrete blocks, and in July, 1897, it was again extended for the manufacture of an additional number of blocks. During the year under review No. 805 concrete blocks have been made containing 3,223 cubic yards of concrete, and 23,309 cubic feet of granite ashlar facing. The whole of the work under this Contract and the extensions have been carried out in a very satisfactory and workmanlike manner.

*Plant.*—Owing to the exigency of the service only minor repairs have been made to the plant, consequently the whole of the floating plant requires to be docked, cleaned, painted and thoroughly overhauled. The two block barges and crane pontoon are now in the hands of the Hongkong and Whampoa Dock Company undergoing repair, &c.

I have the honour to be,

Sir,

Your obedient Servant,

E. BOWDLER,  
*Special Engineer.*

The Honourable R. D. ORMSBY,  
*Director of Public Works.*



## PRAYA RECLAMATION WORKS.

Statement of Concrete Blocks Work executed December 31st, 1897.

Portion of work.	To 31st December, 1896.		During 1897.		To 31st December, 1897.	
	Blocks made.	Blocks set.	Blocks made.	Blocks set.	Blocks made.	Blocks set.
Section No. 1.....	2,513	2,513	1,883	.....	4,396	2,513
" No. 2.....	1,963	1,963	.....	.....	1,963	1,963
" No. 3.....	2,740	2,577	.....	148	2,740	2,725
" No. 4.....	2,508	1,136	.....	568	2,508	1,704
" No. 5.....	3,664	.....	.....	2,206	3,664	2,206
" No. 6.....	2,889	1,572	1,833	209	4,722	1,781
" No. 7.....	605	160	.....	392	605	552
<i>Government Piers.</i>						
Pottinger Street.....	705	705	.....	.....	705	705
Pedder's Street .....	1,231	493	231	960	1,462	1,453
Murray Road .....	709	694	.....	11	709	705
Nam Pak Hong.....	237	.....	139	376	376	376
	19,764	11,813	4,086	4,870	23,850	16,683

E. BOWDLER,  
Special Engineer.

PRAYA RECLAMATION WORKS.  
Statement of Account to 31st December, 1897.

	Contribution received to 31st December, 1896.	Contribution received during 1897.	Interest account Dec., 1897.	Total Receipts.	Expenditure to 31st Dec., 1896.	Expenditure during 1897.	Total.	Balance to debit of Fund.	Balance to credit of Fund.
Section No. 1 .....	\$ 240,365.46	\$ 15,963.88	\$ 2,153.68	\$ 258,483.02	\$ 242,087.56	\$ 24,396.23	\$ 266,683.79	8,200.77	\$ 19,740.25
Do. " 2 .....	251,176.20	.....	4,008.75	255,184.95	223,738.93	11,705.77	235,444.70		41,785.86
Do. " 3 .....	344,533.92	56,142.09	19,324.60	420,000.61	384,253.73	43,961.02	378,214.75		37,413.07
Do. " 4 .....	109,100.74	50,867.95	9,817.44	169,786.13	120,408.89	11,964.17	132,373.06		
Do. " 5 .....	76,501.50	68,661.50	12,905.89	158,068.89	118,345.72	62,780.32	181,126.04	23,057.15	
Do. " 6 .....	224,555.98	27,482.53	27,734.69	279,773.20	196,013.24	50,382.14	246,395.38		33,377.82
Do. " 7 .....	273,766.55	18,833.99	13,821.52	306,422.06	264,692.48	27,919.28	292,611.76		13,810.30
	\$1,520,000.35	\$ 237,951.94	\$ 89,766.57	\$1,847,718.86	\$1,499,540.55	\$ 233,308.93	\$1,732,849.48	\$ 31,257.92	\$ 146,127.30
Government Section No. 4 .....	\$ 19,367.20	\$ 17,000.00	\$ 1,248.85	\$ 37,616.05	18,247.60	\$ 3,290.36	21,537.96		\$ 16,078.09
Do. " 5 .....	46,226.72	30,000.00	1,162.30	77,389.02	28,486.08	18,515.52	47,001.60		30,387.42
Do. " 6 .....	11,704.25	18,000.00	1,314.76	31,019.01	8,085.07	3,337.25	11,372.32		19,646.69
Do. " 7 .....	246,257.83	.....	1,713.61	247,971.44	233,156.60	3,393.29	236,549.89		11,421.55
	\$ 323,556.00	\$ 65,000.00	\$ 5,439.52	\$ 393,995.52	\$ 287,925.35	\$ 28,586.42	\$ 316,461.77		\$ 77,538.75
	\$1,843,556.35	\$ 302,951.94	\$ 95,206.09	\$2,241,714.38	\$1,787,465.90	\$ 261,845.35	\$2,049,311.25		
	Reconstruction Govt. Piers and Interest .....	Interest from Lot Holders .....	124,119.79	124,119.79	Reconstruction Govt. Piers .....	63,799.36	63,799.36		
	Profit on Cement .....	Crown Agents' Account .....	339.40	339.40	Stock on hand .....	4,352.42	4,352.42		
			1,131.45	1,131.45	Store Account .....	179.24	179.24		
			15,676.12	15,676.12	Deposit with Col. Govt. ....	261,000.00	261,000.00		
					Balance cash on hand .....	4,338.87	4,338.87		
				\$2,382,981.14			\$2,382,981.14		

E. BOWDLER, Special Engineer.