

Public Works (1898) Department.

G.O., No. 225 I

DATED 18 March 1898,

[Despatch Abstract.]

Irigation works in Baluchistan, Govt of India
Resolution reviewing the Revenue Report of
— for 1896-97, Comd to the Chief Engineer
for Irigation.

No. 36 I.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

Calcutta, the 23rd February 1898.

Review of the Revenue Report of Irrigation Works in Baluchistan
for 1896-97.

READ —

Revenue Report of Irrigation Works in Baluchistan for the year 1896-97, forwarded with letter No. 4749, dated the 22nd November 1897, from the Secretary to the Agent to the Governor General, Baluchistan, Public Works Department.

OBSERVATIONS.—There are two Minor Works in Baluchistan, of which Capital and Revenue Accounts are kept, *viz.*, the Shebo Canal and the Khushdil Khan Reservoir.

2. There has been no expenditure chargeable to Capital Account since 1894-95 up to the end of which year the outlay amounted to Rs. 16,12,782, including indirect charges.

3. The following statement shows the actual financial results of the year under review:—

Works.	Total Capital outlay to end of year, including indirect charges.	GROSS REVENUE COLLECTED.			WORKING EXPENSES.			Net revenue.	Percentage of net revenue on capital at end of year.
		Irrigation revenue*.	Miscellaneous receipts.	Total.	Direct.	In-direct.	Total.		
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Minor Works and Navigation.									
Shebo Canal	6,77,231	6,111	1,512	7,623	8,151	335	8,486	—863	...
Khushdil Khan Reservoir .	9,35,551	21,157	357	21,514	6,603	305	6,908	14,606	1.56
Total	16,12,782	27,268	1,869	29,137	14,754	640	15,394	13,743	0.85
Figures for 1895-96 . .	16,12,782	27,913	5,359	33,272	12,622	349	12,971	20,301	1.26

* Refunds of revenue deducted from Revenue.

The working of the Shebo Canal during the year under review resulted in a loss of Rs. 863 against a profit of Rs. 10,200 in the preceding year. The explanation given is that, owing to the Forest Reserve having the first claim on the water, the supply available in the spring season was uncertain and, on this account, the villagers were indisposed to cultivate any land at all, and were

only induced to do so by the offer of water at considerably reduced rates payable in kind. The gross revenue was, therefore, less than half the amount collected in the previous year. The forest reserve has now been abandoned so that in future the cultivators will not be influenced by apprehensions of the nature referred to and may be expected to cultivate more freely.

There was also an increase of 30 per cent. in the revenue charges on the figures of 1895-96. This was not due to any large increase in the actual working expenses but mainly to half the cost of the deputation of a temporary Engineer to report on the Pishin Irrigation Works being charged to this canal. The other half of the cost is included under establishment charges Khushdil Khan Reservoir.

The net revenue from the Khushdil Khan Reservoir amounted to Rs. 14,606, or 1.56 per cent. on the capital expended against 1.08 per cent. during the previous year.

The remissions on the Shebo Canal amounted to Rs. 526, the arrears of revenue due from the Shadezai villages at the end of the year amounting to Rs. 418. There were no remissions of revenue nor suspensions on the Khushdil Khan Reservoir during the year.

On the Shebo Canal, the average yield per acre was—wheat 6.40 maunds and barley 10.31 maunds against the previous year's yield of 5.45 and 3.97 maunds, respectively, and the average revenue realized from the irrigation of these crops was Rs. 5.19 per acre as compared with Rs. 3.0 in 1895-96. The revenue derived from the Shebo plantations was only Rs. 442, as the reserve was abandoned by the Forest Department early in the year under review.

On the Khushdil Khan Reservoir, the yield per acre was 10.28 maunds of wheat and 12.70 maunds of barley against the preceding year's yield of 6.10 and 5.72 maunds, respectively. The average revenue realized was—wheat nearly Rs. 11 per acre and barley nearly Rs. 13 per acre against Rs. 4.26 and Rs. 3.07, respectively, in the preceding year.

4. The area irrigated by the Shebo Canal during the year amounted to 1,388 acres (of which 19 acres were under kharif crops) against 1,799 acres in the preceding year. The Khushdil Khan Reservoir irrigated 1,967 acres, all of which were under rabi crops, as compared with 4,056 acres in 1895-96. All irrigation is by flow.

5. The following table shows the details of the working expenses exhibited in the statement in para. 3 :—

	Repairs.	Estab-lishment.	Tools and Plant.	Total.	In-direct charges.	Total working expenses.	Area irrigated.	Rate per acre.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.	Rs.
Shebo Canal	5,761	2,390	...	8,151	335	8,486	1,388	6.11
Khushdil Khan Reservoir	4,423	2,180	...	6,603	305	6,908	1,967	3.51
Total	10,184	4,570	...	14,754	640	15,394	3,355	4.58
Figures for 1895-96	10,133	2,489	...	12,622	349	12,971	5,853	2.2

The outlay on repairs on the Shebo Canal amounted to Rs. 5,761 and on the Khushdil Khan Reservoir to Rs. 4,423. These sums represent expenditure on annual repairs which are necessary for maintaining the canals in proper order. The increase under the head "Establishment," as compared with the figures of the preceding year, is due to the addition of the salary of a temporary Engineer deputed to report on the working and maintenance of the Pishin Irrigation Works.

6. The rainfall at Quetta and Saranau during 1896-97 was 9.34 and 8.34 inches, respectively, as compared with 10.81 and 6.84 inches in the previous year. The rainfall at Khushdil Khan was 8.26 inches, and at Pishin 9.01 inches against 9.42 and 8.88 inches in the preceding year.

ORDER.—Ordered, that a copy of this Review be forwarded to the Agent to the Governor General and Chief Commissioner, British Baluchistan, Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab in the Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Revenue and Agricultural Department for information.

Also that the Review be published in the *Gazette of India*.

Ordered, further, that a copy of this Review and of the Report be forwarded to Her Majesty's Secretary of State for India for information.

J. J. Beresford

Offg. Joint Secy. to the Govt. of India.

To. The Secy to the Govt of Madras.
P.W. Department.
6 copies of Review
1 copy of Report

ORDER.—Ordered, that a copy of this Review be forwarded to the Agent to the Governor General and Chief Commissioner, British Baluchistan, Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab in the Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Revenue and Agricultural Department for information.

Also that the Review be published in the *Gazette of India*.

Ordered, further, that a copy of this Review and of the Report be forwarded to Her Majesty's Secretary of State for India for information.

J. S. BERESFORD,

Offg. Joint Secy. to the Govt. of India.

N-229/8 W.3.98
Communicated to the Chief Engineer
for Lincation for information.
(21) W. H.

9

Chief Eng for Linc

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.
Irrigation.

Calcutta, the 23rd February 1898.

Review of the Revenue Report of Irrigation Works in Baluchistan for 1896-97.

READ—

Revenue Report of Irrigation Works in Baluchistan for the year 1896-97, forwarded with letter No. 4749, dated the 22nd November 1897, from the Secretary to the Agent to the Governor General, Baluchistan, Public Works Department.

OBSERVATIONS.—There are two Minor Works in Baluchistan, of which Capital and Revenue Accounts are kept, viz., the Shebo Canal and the Khushdil Khan Reservoir.

2. There has been no expenditure chargeable to () since 1894-95 up to the end of which year the outlay amount 2,782, including indirect charges.

3. The following statement shows the actual financial results of the year under review:—

Works.	Total Capital outlay to end of year, including indirect charges.	GROSS REVENUE COLLECTED.			WORKING EXPENSES.			Net revenue.	Percentage of net revenue on capital at end of year.
		Irrigation revenue*.	Miscellaneous receipts.	Total.	Direct.	In-direct.	Total.		
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Minor Works and Navigation.									
Shebo Canal	6,77,231	6,111	1,512	7,623	8,151	335	8,486	—863	...
Khushdil Khan Reservoir .	9,35,551	21,157	357	21,514	6,603	305	6,908	14,606	1.56
Total .	16,12,782	27,268	1,869	29,137	14,754	640	15,394	13,743	0.85
Figures for 1895-96 .	16,12,782	27,913	5,359	33,272	12,622	349	12,971	20,301	1.26

* Refunds of revenue deducted from Revenue.

The working of the Shebo Canal during the year under review resulted in a loss of Rs. 863 against a profit of Rs. 10,200 in the preceding year. The explanation given is that, owing to the Forest Reserve having the first claim on the water, the supply available in the spring season was uncertain and, on this account, the villagers were indisposed to cultivate any land at all, and were

only induced to do so by the offer of water at considerably reduced rates payable in kind. The gross revenue was, therefore, less than half the amount collected in the previous year. The forest reserve has now been abandoned so that in future the cultivators will not be influenced by apprehensions of the nature referred to and may be expected to cultivate more freely.

There was also an increase of 30 per cent. in the revenue charges on the figures of 1895-96. This was not due to any large increase in the actual working expenses but mainly to half the cost of the deputation of a temporary Engineer to report on the Pishin Irrigation Works being charged to this canal. The other half of the cost is included under establishment charges Khushdil Khan Reservoir.

The net revenue from the Khushdil Khan Reservoir amounted to Rs. 14,606, or 1.56 per cent. on the capital expended against 1.08 per cent. during the previous year.

The remissions on the Shebo Canal amounted to Rs. 526, the arrears of revenue due from the Shadenzai villages at the end of the year amounting to Rs. 418. There were no remissions of revenue nor suspensions on the Khushdil Khan Reservoir during the year.

On the Shebo Canal, the average yield per acre was—wheat 6.40 maunds and barley 10.31 maunds against the previous year's yield of 5.45 and 3.97 maunds, respectively, and the average revenue realized from the irrigation of these crops was Rs. 5.19 per acre as compared with Rs. 3.0 in 1895-96. The revenue derived from the Shebo plantations was only Rs. 442, as the reserve was abandoned by the Forest Department early in the year under review.

On the Khushdil Khan Reservoir, the yield per acre was 10.28 maunds of wheat and 12.70 maunds of barley against the preceding year's yield of 6.10 and 5.72 maunds, respectively. The average revenue realized was—wheat nearly Rs. 11 per acre and barley nearly Rs. 13 per acre against Rs. 4.26 and Rs. 3.07, respectively, in the preceding year.

4. The area irrigated by the Shebo Canal during the year amounted to 1,388 acres (of which 19 acres were under kharif crops) against 1,799 acres in the preceding year. The Khushdil Khan Reservoir irrigated 1,967 acres, all of which were under rabi crops, as compared with 4,056 acres in 1895-96. All irrigation is by flow.

5. The following table shows the details of the working expenses exhibited in the statement in para. 3 :—

	Repairs.	Estab- lish- ment.	Tools and Plant.	Total.	In- direct charges.	Total working expenses.	Area irri- gated.	Rate per acre.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.	Rs.
Shebo Canal	5,761	2,390	...	8,151	335	8,486	1,388	6.11
Khushdil Khan Reservoir	4,423	2,180	...	6,603	305	6,908	1,967	3.51
Total	10,184	4,570	...	14,754	640	15,394	3,355	4.58
Figures for 1895-96	10,133	2,489	...	12,622	349	12,971	5,855	2.2

The outlay on repairs on the Shebo Canal amounted to Rs. 5,761 and on the Khushdil Khan Reservoir to Rs. 4,423. These sums represent expenditure on annual repairs which are necessary for maintaining the canals in proper order. The increase under the head "Establishment," as compared with the figures of the preceding year, is due to the addition of the salary of a temporary Engineer deputed to report on the working and maintenance of the Pishin Irrigation Works.

6. The rainfall at Quetta and Saranau during 1896-97 was 9.34 and 8.34 inches, respectively, as compared with 10.81 and 6.84 inches in the previous year. The rainfall at Khushdil Khan was 8.26 inches, and at Pishin 9.01 inches against 9.42 and 8.88 inches in the preceding year.

ORDER.—Ordered, that a copy of this Review be forwarded to the Agent to the Governor General and Chief Commissioner, British Baluchistan, Public Works Department, for information.

ORDER.—Ordered, that a copy of this Review be forwarded to the Agent to the Governor General and Chief Commissioner, British Baluchistan, Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab in the Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Revenue and Agricultural Department for information.

Also that the Review be published in the *Gazette of India*.

Ordered, further, that a copy of this Review and of the Report be forwarded to Her Majesty's Secretary of State for India for information.

J. S. BERESFORD,

Offg. Joint Secy. to the Govt. of India.

N-229/2 18.3.98
Communicated to the Chief Engineer
for Irrigation for information.
(2d) W. H.
S.

Ch. Eng. for Irrig.

No. 36 I.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

Calcutta, the 23rd February 1898.

Review of the Revenue Report of Irrigation Works in Baluchistan
for 1896-97.

READ—

Revenue Report of Irrigation Works in Baluchistan for the year 1896-97, forwarded with letter No. 4749, dated the 22nd November 1897, from the Secretary to the Agent to the Governor General, Baluchistan, Public Works Department.

OBSERVATIONS.—There are two Minor Works in Baluchistan, of which Capital and Revenue Accounts are kept, viz., the Shebo Canal and the Khushdil Khan Reservoir.

2. There has been no expenditure chargeable to Capital Account since 1894-95 up to the end of which year the outlay amounted to Rs. 16,12,782, including indirect charges.

3. The following statement shows the actual financial results of the year under review:—

Works.	Total Capital outlay to end of year, including indirect charges.	GROSS REVENUE COLLECTED.			WORKING EXPENSES.			Net revenue.	Percentage of net revenue on capital at end of year.
		Irrigation revenue*.	Miscellaneous receipts.	Total.	Direct.	Indirect.	Total.		
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Minor Works and Navigation.									
Shebo Canal	6,77,231	6,111	1,512	7,623	8,151	335	8,486	—863	...
Khushdil Khan Reservoir .	9,35,551	21,157	357	21,514	6,603	305	6,908	14,606	1.56
Total	16,12,782	27,268	1,869	29,137	14,754	640	15,394	13,743	0.85
Figures for 1895-96 .	16,12,782	27,913	5,359	33,272	12,622	349	12,971	20,301	1.26

* Refunds of revenue deducted from Revenue.

The working of the Shebo Canal during the year under review results in

only induced to do so by the offer of water at considerably reduced rates payable in kind. The gross revenue was, therefore, less than half the amount collected in the previous year. The forest reserve has now been abandoned so that in future the cultivators will not be influenced by apprehensions of the nature referred to and may be expected to cultivate more freely.

There was also an increase of 30 per cent. in the revenue charges on the figures of 1895-96. This was not due to any large increase in the actual working expenses but mainly to half the cost of the deputation of a temporary Engineer to report on the Pishin Irrigation Works being charged to this canal. The other half of the cost is included under establishment charges Khushdil Khan Reservoir.

The net revenue from the Khushdil Khan Reservoir amounted to Rs. 14,606, or 1.56 per cent. on the capital expended against 1.08 per cent. during the previous year.

The remissions on the Shebo Canal amounted to Rs. 526, the arrears of revenue due from the Shadezai villages at the end of the year amounting to Rs. 418. There were no remissions of revenue nor suspensions on the Khushdil Khan Reservoir during the year.

On the Shebo Canal, the average yield per acre was—wheat 6.40 maunds and barley 10.31 maunds against the previous year's yield of 5.45 and 3.97 maunds, respectively, and the average revenue realized from the irrigation of these crops was Rs. 5.19 per acre as compared with Rs. 3.0 in 1895-96. The revenue derived from the Shebo plantations was only Rs. 442, as the reserve was abandoned by the Forest Department early in the year under review.

On the Khushdil Khan Reservoir, the yield per acre was 10.28 maunds of wheat and 12.70 maunds of barley against the preceding year's yield of 6.10 and 5.72 maunds, respectively. The average revenue realized was—wheat nearly Rs. 11 per acre and barley nearly Rs. 13 per acre against Rs. 4.26 and Rs. 3.07, respectively, in the preceding year.

4. The area irrigated by the Shebo Canal during the year amounted to 1,388 acres (of which 19 acres were under kharif crops) against 1,799 acres in the preceding year. The Khushdil Khan Reservoir irrigated 1,967 acres, all of which were under rabi crops, as compared with 4,056 acres in 1895-96. All irrigation is by flow.

5. The following table shows the details of the working expenses exhibited in the statement in para. 3 :—

	Repairs.	Estab- lish- ment.	Tools and Plant.	Total.	In- direct charges.	Total working expenses.	Area irri- gated.	Rate per acre.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.	Rs.
Shebo Canal	5,761	2,390	...	8,151	335	8,486	1,388	6.11
Khushdil Khan Reservoir	4,423	2,180	...	6,603	305	6,908	1,967	3.51
Total	10,184	4,570	...	14,754	640	15,394	3,355	4.58
Figures for 1895-96	10,133	2,489	...	12,622	349	12,971	5,855	2.2

The outlay on repairs on the Shebo Canal amounted to Rs. 5,761 and on the Khushdil Khan Reservoir to Rs. 4,423. These sums represent expenditure on annual repairs which are necessary for maintaining the canals in proper order. The increase under the head "Establishment," as compared with the figures of the preceding year, is due to the addition of the salary of a temporary Engineer to report on the Pishin Irrigation Works and maintenance of the Pishin

ORDER.—Ordered, that a copy of this Review be forwarded to the Agent to the Governor General and Chief Commissioner, British Baluchistan, Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab in the Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Revenue and Agricultural Department for information.

Also that the Review be published in the *Gazette of India*.

Ordered, further, that a copy of this Review and of the Report be forwarded to Her Majesty's Secretary of State for India for information.

J. S. BERESFORD,

Offg. Joint Secy. to the Govt. of India.

No. 229 of 10.3.98
Communicated to the Chief Engineer
for Irrigation for information.
(Sd) W. H.
J.

Ch. Engr for Irr.

No. 36 I.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

Calcutta, the 23rd February 1898.

Review of the Revenue Report of Irrigation Works in Baluchistan
for 1896-97.

READ—

Revenue Report of Irrigation Works in Baluchistan for the year 1896-97, forwarded with letter No. 4749, dated the 22nd November 1897, from the Secretary to the Agent to the Governor General, Baluchistan, Public Works Department.

OBSERVATIONS.—There are two Minor Works in Baluchistan, of which Capital and Revenue Accounts are kept, *viz.*, the Shebo Canal and the Khushdil Khan Reservoir.

2. There has been no expenditure chargeable to Capital Account since 1894-95 up to the end of which year the outlay amounted to Rs. 16,12,782, including indirect charges.

3. The following statement shows the actual financial results of the year under review :—

Works.	Total Capital outlay to end of year, including indirect charges.	GROSS REVENUE COLLECTED.			WORKING EXPENSES.			Net revenue.	Percentage of net revenue on capital at end of year.
		Irrigation revenue*.	Miscellaneous receipts.	Total.	Direct.	Indirect.	Total.		
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Minor Works and Navigation.									
Shebo Canal	6,77,231	6,111	1,512	7,623	8,151	335	8,486	—863	...
Khushdil Khan Reservoir .	9,35,551	21,157	357	21,514	6,603	305	6,908	14,606	1.56
Total	16,12,782	27,268	1,869	29,137	14,754	640	15,394	13,743	0.85
Figures for 1895-96 .	16,12,782	27,913	5,359	33,272	12,622	349	12,971	20,301	1.26

* Refunds of revenue deducted from Revenue.

The working of the Shebo Canal during the year under review resulted in a loss of Rs. 863 against a profit of Rs. 10,200 in the preceding year. The explanation given is that, owing to the Forest Reserve having the first claim on the water, the supply available in the spring season was uncertain and, on this account, the villagers were indisposed to cultivate any land at all, and were

only induced to do so by the offer of water at considerably reduced rates payable in kind. The gross revenue was, therefore, less than half the amount collected in the previous year. The forest reserve has now been abandoned so that in future the cultivators will not be influenced by apprehensions of the nature referred to and may be expected to cultivate more freely.

There was also an increase of 30 per cent. in the revenue charges on the figures of 1895-96. This was not due to any large increase in the actual working expenses but mainly to half the cost of the deputation of a temporary Engineer to report on the Pishin Irrigation Works being charged to this canal. The other half of the cost is included under establishment charges Khushdil Khan Reservoir.

The net revenue from the Khushdil Khan Reservoir amounted to Rs. 14,606, or 1.56 per cent. on the capital expended against 1.08 per cent. during the previous year.

The remissions on the Shebo Canal amounted to Rs. 526, the arrears of revenue due from the Shadezai villages at the end of the year amounting to Rs. 418. There were no remissions of revenue nor suspensions on the Khushdil Khan Reservoir during the year.

On the Shebo Canal, the average yield per acre was—wheat 6.40 maunds and barley 10.31 maunds against the previous year's yield of 5.45 and 3.97 maunds, respectively, and the average revenue realized from the irrigation of these crops was Rs. 5.19 per acre as compared with Rs. 3.0 in 1895-96. The revenue derived from the Shebo plantations was only Rs. 442, as the reserve was abandoned by the Forest Department early in the year under review.

On the Khushdil Khan Reservoir, the yield per acre was 10.28 maunds of wheat and 12.70 maunds of barley against the preceding year's yield of 6.10 and 5.72 maunds, respectively. The average revenue realized was—wheat nearly Rs. 11 per acre and barley nearly Rs. 13 per acre against Rs. 4.26 and Rs. 3.07, respectively, in the preceding year.

4. The area irrigated by the Shebo Canal during the year amounted to 1,388 acres (of which 19 acres were under kharif crops) against 1,799 acres in the preceding year. The Khushdil Khan Reservoir irrigated 1,967 acres, all of which were under rabi crops, as compared with 4,056 acres in 1895-96. All irrigation is by flow.

5. The following table shows the details of the working expenses exhibited in the statement in para. 3 :—

	Repairs.	Establishment.	Tools and Plant.	Total.	Indirect charges.	Total working expenses.	Area irrigated.	Rate per acre.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.	Rs.
Shebo Canal	5,761	2,390	...	8,151	335	8,486	1,388	6.11
Khushdil Khan Reservoir	4,423	2,180	...	6,603	305	6,908	1,967	3.51
Total	10,184	4,570	...	14,754	640	15,394	3,355	4.58
Figures for 1895-96	10,133	2,489	...	12,622	349	12,971	5,855	2.2

The outlay on repairs on the Shebo Canal amounted to Rs. 5,761 and on the Khushdil Khan Reservoir to Rs. 4,423. These sums represent expenditure on annual repairs which are necessary for maintaining the canals in proper order. The increase under the head "Establishment," as compared with the figures of the preceding year, is due to the addition of the salary of a temporary Engineer deputed to report on the working and maintenance of the Pishin Irrigation Works.

6. The rainfall at Quetta and Saranau during 1896-97 was 9.34 and 8.34 inches, respectively, as compared with 10.81 and 6.84 inches in the previous year. The rainfall at Khushdil Khan was 8.26 inches, and at Pishin 9.01 inches against 9.42 and 8.88 inches in the preceding year.

No. 36 I.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

Calcutta, the 23rd February 1898.

Review of the Revenue Report of Irrigation Works in Baluchistan
for 1896-97.

READ—

Revenue Report of Irrigation Works in Baluchistan for the year 1896-97, forwarded with letter No. 4749, dated the 22nd November 1897, from the Secretary to the Agent to the Governor General, Baluchistan, Public Works Department.

OBSERVATIONS.—There are two Minor Works in Baluchistan, of which Capital and Revenue Accounts are kept, *viz.*, the Shebo Canal and the Khushdil Khan Reservoir.

2. There has been no expenditure chargeable to Capital Account since 1894-95 up to the end of which year the outlay amounted to Rs. 16,12,782, including indirect charges.

3. The following statement shows the actual financial results of the year under review :—

Works.	Total Capital outlay to end of year, including indirect charges.	GROSS REVENUE COLLECTED.			WORKING EXPENSES.			Net revenue.	Percentage of net revenue on capital at end of year.
		Irrigation revenue*.	Miscellaneous receipts.	Total.	Direct.	Indirect.	Total.		
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Minor Works and Navigation.									
Shebo Canal	6,77,231	6,111	1,512	7,623	8,151	335	8,486	—863	...
Khushdil Khan Reservoir	9,35,551	21,157	357	21,514	6,603	305	6,908	14,606	1.56
Total	16,12,782	27,268	1,869	29,137	14,754	640	15,394	13,743	0.85
Figures for 1895-96	16,12,782	27,913	5,359	33,272	12,622	349	12,971	20,301	1.26

* Refunds of revenue deducted from Revenue.

The working of the Shebo Canal during the year under review resulted in a loss of Rs. 863 against a profit of Rs. 10,200 in the preceding year. The explanation given is that, owing to the Forest Reserve having the first claim on the water, the supply available in the spring season was uncertain and, on this account, the villagers were indisposed to cultivate any land at all, and were

only induced to do so by the offer of water at considerably reduced rates payable in kind. The gross revenue was, therefore, less than half the amount collected in the previous year. The forest reserve has now been abandoned so that in future the cultivators will not be influenced by apprehensions of the nature referred to and may be expected to cultivate more freely.

There was also an increase of 30 per cent. in the revenue charges on the figures of 1895-96. This was not due to any large increase in the actual working expenses but mainly to half the cost of the deputation of a temporary Engineer to report on the Pishin Irrigation Works being charged to this canal. The other half of the cost is included under establishment charges Khushdil Khan Reservoir.

The net revenue from the Khushdil Khan Reservoir amounted to Rs. 14,606, or 1.56 per cent. on the capital expended against 1.08 per cent. during the previous year.

The remissions on the Shebo Canal amounted to Rs. 526, the arrears of revenue due from the Shadezai villages at the end of the year amounting to Rs. 418. There were no remissions of revenue nor suspensions on the Khushdil Khan Reservoir during the year.

On the Shebo Canal, the average yield per acre was—wheat 6.40 maunds and barley 10.31 maunds against the previous year's yield of 5.45 and 3.97 maunds, respectively, and the average revenue realized from the irrigation of these crops was Rs. 5.19 per acre as compared with Rs. 3.0 in 1895-96. The revenue derived from the Shebo plantations was only Rs. 442, as the reserve was abandoned by the Forest Department early in the year under review.

On the Khushdil Khan Reservoir, the yield per acre was 10.28 maunds of wheat and 12.70 maunds of barley against the preceding year's yield of 6.10 and 5.72 maunds, respectively. The average revenue realized was—wheat nearly Rs. 11 per acre and barley nearly Rs. 13 per acre against Rs. 4.26 and Rs. 3.07, respectively, in the preceding year.

4. The area irrigated by the Shebo Canal during the year amounted to 1,388 acres (of which 19 acres were under kharif crops) against 1,799 acres in the preceding year. The Khushdil Khan Reservoir irrigated 1,967 acres, all of which were under rabi crops, as compared with 4,056 acres in 1895-96. All irrigation is by flow.

5. The following table shows the details of the working expenses exhibited in the statement in para. 3 :—

	Repairs.	Estab- lish- ment.	Tools and Plant.	Total.	In- direct charges.	Total working expenses.	Area irri- gated.	Rate per acre.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.	Rs.
Shebo Canal	5,761	2,390	...	8,151	335	8,486	1,388	6.11
Khushdil Khan Reservoir	4,423	2,180	...	6,603	305	6,908	1,967	3.51
Total	10,184	4,570	...	14,754	640	15,394	3,355	4.58
Figures for 1895-96	10,133	2,489	...	12,622	349	12,971	5,855	2.2

The outlay on repairs on the Shebo Canal amounted to Rs. 5,761 and on the Khushdil Khan Reservoir to Rs. 4,423. These sums represent expenditure on annual repairs which are necessary for maintaining the canals in proper order. The increase under the head "Establishment," as compared with the figures of the preceding year, is due to the addition of the salary of a temporary Engineer deputed to report on the working and maintenance of the Pishin Irrigation Works.

6. The rainfall at Quetta and Saranau during 1896-97 was 9.34 and 8.34 inches, respectively, as compared with 10.81 and 6.84 inches in the previous year. The rainfall at Khushdil Khan was 8.26 inches, and at Pishin 9.01 inches against 9.42 and 8.88 inches in the preceding year.

ORDER.—Ordered, that a copy of this Review be forwarded to the Agent to the Governor General and Chief Commissioner, British Baluchistan, Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab in the Public Works Department, for information.

Also, that a copy of the Review and of the Report be forwarded to the Revenue and Agricultural Department for information.

Also that the Review be published in the *Gazette of India*.

Ordered, further, that a copy of this Review and of the Report be forwarded to Her Majesty's Secretary of State for India for information.

J. S. BERESFORD,

Offg. Joint Secy. to the Govt. of India.