Public Works (1896) Department.

G.O., No. 2673

Dated 19-3-96

[Despatch Abstract.]

Funds: Certain Transfers of — in the Trichinopoly Dn., proposed by the Chief Engineer for Irrigation, sanctioned with Remarks.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated March, 19th.

Recd. *Encl.*

G.O. No. 267 I., 19th Mar. 1896.

MARCH.

Funds

Certain transfers of — in the Trichinopoly division, proposed by the Chief Engineer for Irrigation, sanctioned with remark.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper :—

From W. HUGHES, Esq., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 11th March 1896, No. 385 T.C.

I have the honour to request that you will be good enough to obtain the sanction of Government to the following modification of allotments in the Trichinopoly division :—

Item number.	—	Existing grant.	Modification of allotments applied for.		Modification of allotments proposed.	
			Reduction.	Increase.	Reduction.	Increase.
		Rs.	Rs.	Rs.	Rs.	Rs.
	IRRIGATION.					
	43. *Minor Works and Navigation—Minor Works for which Capital and Revenue Accounts are kept.*					
	Capital.					
1	Nandyar channel extension, estimate Rs. 42,500 sanctioned in G.O. No. 275 I., dated 23rd March 1895	42,500	4,000	..	4,000	..
	Revenue.					
2	Minor extensions and improvements (Lump sum)	1,450	800	..	800	..
	Agricultural Works.					
3	Repairs (Lump sum)	22,400	..	4,800	..	4,800
	Total ..	..	4,800	4,800	4,800	4,800
	43. *Minor Works and Navigation— Works for which neither Capital nor Revenue Accounts are kept, P. W. D.*					
	Local Irrigation Cess Fund.					
	Major.					
4	Improving No. 1 Ponnéri Branch channel, estimate Rs. 5,670 sanctioned in G.O. No. 614 I., dated 29th August 1894.	516	..	87	..	87
5	Minor original works do. Nos. 2 and 3 ..	3,000	1,659	..	1,659	..
	Total ..	..	1,659	87	1,659	87

2. *Items* 1 *and* 2.—Owing to sickness in camp the works were retarded for one month during the working season. The value of certain articles indented for on Public Works Workshops for item 2 has not been fully adjusted; hence the surrender.

Item 3.—Several works having been completed, the additional amount applied for is necessary.

Item 4.—The additional amount applied for is necessary to meet the demand under land compensation.

Item 5.—Surrendered as the progress was very much retarded till February last.

No. 64 I.

Submitted to Government. The following transfers of funds may be sanctioned:—

Irrigation.
43. Minor Works and Navigation.
Trichinopoly Division.

From		*To*	
Minor Works for which Capital and Revenue Accounts are kept. Nandyar Channel. Capital Account.	Rs.	Agricultural Works.	Rs.
Works	4,000	Repairs	4,742
Establishment	920	Establishment	1,091
	4,920	Tools and plant	71
Revenue Account.			
Extensions and improvements.	800		
Establishment	184		
	984		
Total ...	5,904	Total ...	5,904

2. The sum of Rs. 87 required for item 4 may be transferred * by the Superintending Engineer himself from the amount not required for item 5; it is now too late to accept the surrender of the balance of the latter item, viz., Rs. 1,572.

* *Vide* paragraph 6 of Circular Memo. No. 30 G., dated 27th August 1894.

16th March 1896. (Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E., Chief Engineer for Irrigation.

ORDER—No. 267 I., dated 19th March 1896.

The transfers of funds proposed by the Chief Engineer for Irrigation are sanctioned.

2. The attention of the Superintending Engineer, VI Circle, is drawn to paragraph 2 of the foregoing endorsement.

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. C. M. Thumbuswamy Pillay.
Spare Copies

A/Side

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

No. 267. Dy 19 March/96.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From Supdg Engr VI Circle. No 385 T.C. dy 11.3.96
Rc 64 dy 16.3.96
Submitted to Govt.
The following transfers of funds may be sanctioned:—

Irrigation.
43. Minor Works Navigation
Trichinopoly Dn.

From
Minor works for which Capital & Revd. Accts are kept.
Nandyar Channel.
Capital Acct.
Rs
Works . . 4000
Estabt. . 920 4920
Revd. Acct.
Extensions & Impts 800
Establishment 184 984
Total 5,904

To
Agricultural Works
Rs
Repairs . 4742
Establishment 1091
Tools & Plant. 71
Total 5,904

2. The sum of Rs

87 required for item 4 may be transferred by the Subs Engr himself from the amount not required for item 5, it is now too late to accept the surrender of the balance of the latter item, viz Rs 1572.

Order thereon

The transfers of funds proposed by the Chief Engr for irrigation are sanctioned.

2. The attention of the Subs Engr. VI Circle, is drawn to para 2 of the foregoing endorsement.

+ vide para 6 of Civ. Memo No 306 of 27 Augt 1894.

DESPATCHED
30 MAR. 96

To
The Chief Engr 3rd
Supdg Engr VI Cir
Exr Engr
Accountant
ICH

P. W. CURRENT No. 2737

Encl 1
Recd: 18. 3. 96

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

No. 3857c

Trichinopoly, 11th March 1896.

FROM

W. Hughes Esquire
~~THE~~ SUPERINTENDING ENGINEER,
6th CIRCLE.

TO

THE CHIEF ENGINEER,
for Irrigation.

SIR,

ENCLOSURES.

I have the honor to request that you will be good enough to obtain the sanction of Government to the following modification of allotments in the Trichinopoly Dn:—

Abstract No.	Irrigation	Modification of allotments applied for		Modification of allotments proposed	
		Direction	Amount	Direction	Amount
	Irrigation				
	43. Minor Works and Navigation				
	Minor Works for which Capital & Revenue accounts are kept:				
	Capital				
1	Kandiyar channel extension Estimate Rs 42,500 sanctioned in G.O. No. 275 I. Dt. 23 March 1895.	42,500	4,000 "		4,000 "
	Revenue				
	Carried over		4,000 "		4,000 "

500—13 11·93.

E. I. Form No. 1—500—14·5·95

Noted 18/3

Dy
F.E.D.
Recd 18/3
Ch
19/3 Ved
19/3

Ved
16/3

Item No:		Estimate Issued	Modification of allotment applied for		Modification of allotment proposed	
			Retention	Increase	Retention	Increase
	Brought Forward		4,000	"	4,000	"
	Revenue					
2	Minor Extensions & Improvements (Lump Sum)	1450	800	"	800	"
	Agricultural Works.	22400				
3	Repairs (Lump Sum)	23700	"	4,800	"	4,800
			4,800	4,800	4,800	4,800
	43. Minor Works & Navigation Works for which neither Capital nor Revenue accounts are kept.					
	P. W. D.					
	Local Irrigation Cess Fund					
	Major					
4	Improving No: 1. Pennery Branch Channel Estimate Rs 5,670 sanctioned in G.O. No: 614 I 8/29 August 1894 —	516	"	87	"	87
5	Minor Original Works — Do — Nos: 2 and 3.	3,000	1659	"	1659	"
			1659	87	1659	87

2. Items 1 & 2. During sickness in camp the works were retarded for one month during the working season. The value of certain articles indented for on P. W. Workshops for item 2 has not been fully adjusted; hence the surrender.

Item 3. General works having been completed the additional amount applied for is necessary.

Item 4. The additional amount applied for is necessary to meet the demand under Land Compensation.

Item 6. Surrendered as the progress was very much retarded till February last.

I have the honour to be
Sir,
Your most obed't Servant.

M Hughes.
Superintending Engineer.
W Harris

CHIEF ENGINEER
FOR IRRIGATION.
13 MAR. 96
1470

P. W. D. 6th CIRCLE.

FROM

THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

TO

THE CHIEF ENGINEER,

for Irrigation

No. 30572

Dated 11 } March 1896.
Received 12 }

Enclosures.

O.W.S. 1
273/96

Finds:—

Requesting sanction to certain modification of allotments in the Trichinopoly Dt —

No. 37 I.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

Calcutta, the 26th February 1896.

Review of the Revenue Report of the Irrigation Works in Baluchistan for the year 1894-95.

Read—

Revenue Report of Irrigation Works in Baluchistan for the year 1894-95, forwarded with letter No. 7638, dated the 15th November 1895, 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. The Capital outlay on the two works during and up to the end of 1894-95 was as follows:—

	Number of works.	During the year 1894-95.						Total direct and indirect to end of 1894-95.
		Works.	Establishment.	Tools and Plant.	Total direct charges.	Indirect charges.	Total direct and indirect charges.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Minor Works and Navigation.								
Works for which Capital and Revenue Accounts are kept (Account head 43) . .	2	48,091	2,551	...	50,642	358	51,000	16,12,782

The outlay on the Shebo Canal during 1894-95, including indirect charges, amounted to Rs. 12,847, of which Rs. 12,671 was on works, Rs. 154 on establishment, and Rs. 22 on account of leave and pension allowances. The works outlay of Rs. 12,671, however, includes a sum of Rs. 12,000 paid in settlement of the claims of certain maliks for compensation for a channel which, existing before the construction of the canal, has since been diverted into it.

On the Khushdil Khan Reservoir, the Capital outlay during the year, including indirect charges, amounted to Rs. 38,153, of which Rs. 35,420 was on works, Rs. 2,397 on establishment, and Rs. 336 on account of leave and pension allowances. The sum of Rs. 35,420 charged to works includes Rs. 25,000 paid to Mr. Hitchens, contractor, in satisfaction of his claim against Government for work done on the Khushdil Khan Bund. The principal works undertaken during the year chargeable to Capital were (1) heightening and strengthening banks of main line, (2) constructing new falls on main and Karbella branches, and (3) a central channel in Barshore Feeder cut.

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
Minor Works and Navigation.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Shebo Canal	6,77,231	5,485	94	5,579	6,265	165	6,430	—851	...
Khushdil Khan Reservoir . . .	9,35,551	15,597	...	15,597	6,787	178	6,965	8,632	0·92
Total .	16,12,782	21,082	94	21,176	13,052	343	13,395	7,781	0·48
Figures for 1893-94 .	15,61,782	48,838	72	48,910	21,716	600	22,316	26,594	1·70

The working of the Shebo Canal during the year under review resulted in a loss instead of a profit. It is stated that this is mainly due to the system of collecting revenue in kind instead of in cash. During the year under review the crops were poor both in quality and quantity owing to blight, and prices were very low compared with those of the previous year. The result has been a heavy loss of revenue. It was remarked in the report of the previous year that it was hoped that a proper settlement survey would soon be made, and that a 'cash rate' of from Rs. 5 to Rs. 6 per acre would then be fixed, replacing the existing cumbrous system of 'batai' or 'division of the crop,' and it was explained that in this way much time and trouble would be saved, the 'expenses of collection' would be largely reduced, and Government would be ensured its fair share. In the present report the 'batai' system is again referred to as 'cumbrous and expensive,' but no hope of its early replacement is now held out. The Government of India trust that proposals to remedy this very unsatisfactory state of affairs may soon be matured and submitted for consideration.

The net return from the Khushdil Khan Reservoir amounted to Rs. 8,632, or 0·92 per cent. on the capital expended, against 2·20 per cent. during the previous year. The cause of the decrease is explained as due to poor crops and a fall in the prices of grain and bhoosa.

There were no remissions and no arrears of revenue due at the end of the year 1894-95, with the exception of Rs. 4,459 due from the Forest Department on account of water supplied to the Shebo plantations, and this has since been recovered and will be shown in the accounts for 1895-96.

On the Shebo Canal, the yield per acre during the year was—wheat 5·32 maunds and barley 8·71 maunds against the previous year's yield of 6·67 and 11·12 maunds, respectively, and the revenue realized from the irrigation of these crops was Rs. 2·75 for wheat and Rs. 3·38 for barley per acre, as compared with Rs. 4·78 and Rs. 5·75 in 1893-94. On all cultivated lands the average revenue collected was Rs. 2·75 per acre against Rs. 4·88 per acre in the preceding year. The average rate charged for the Forest plantation was Rs. 2·85 per acre. It is stated that the year under review was deficient in regard both to rain and snow falls, the rainfall being only about one-third of that of the previous year, and that this was the cause of the small produce per acre.

On the Khushdil Khan Reservoir, the yield per acre was 8·47 maunds of wheat and 15·52 maunds of barley, against the preceding year's yield of 11·50 and 14·45 maunds, respectively. The revenue realized was—wheat Rs. 4·26 per acre and barley Rs. 6·37 per acre, against Rs. 9·59 and Rs. 7·82 realized in the preceding year.

4. The area irrigated by the Shebo Canal during the year amounted to 1,993½ acres, including 64 acres irrigated by the Forest Department, but excluding 1,566 acres of Forest plantation, against 2,520 acres irrigated in the preceding year, of which 44 acres were irrigated by the Forest Department. The Khushdil Khan Reservoir irrigated 2,902½ acres during the year (of which 37½ acres were kharif crops) against 3,731 acres irrigated during 1893-94. 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.	Rs.	Rs.
Shebo Canal	5,086	1,179	...	6,265	165	6,430	1,993	3·2
Khushdil Khan Reservoir. .	5,518	1,269	...	6,787	178	6,965	2,902	2·4
Total .	10,604	2,448	...	13,052	343	13,395	4,895	2·7
Figures for 1893-94 . .	17,315	4,288	113	21,716	600	22,316	6,251	3·6

There was a reduction in the charges for Revenue Establishment on both the Shebo Canal and the Khushdil Khan Reservoir, as compared with the previous year.

The outlay on repairs on the Shebo Canal amounted to Rs. 5,086 and on the Khushdil Khan Reservoir to Rs. 5,518, but no details of this expenditure have been furnished in the report under review.

6. The rainfall at Quetta and Shirinao during 1894-95 was 7·33 and 5·49 inches, respectively, as compared with 14·87 and 19·50 inches in the previous year. The rainfall at Khushdil Khan was 6·32 inches and at Pishin 7·35 inches against 14·67 and 16·26 inches in the preceding year.

7. A statement showing the monthly distribution of the rainfall has been incorporated in the report under review.

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 and guidance.

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. W. OTTLEY, *Colonel*,

Deputy Secretary to the Government of India.

C. I. L. P. O.—No. 1307 P. W.D.—27-2-96—175.—T. C. S.

No. 272. I. dy 20 March 96.

Communicated to the Chief Engineer for Irrigation.

(Sd) R R & B.

To the Chief Engineer for Irrigation with report.

No. 37 I.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

Calcutta, the 26th February 1896.

Review of the Revenue Report of the Irrigation Works in Baluchistan for the year 1894-95.

Read—

Revenue Report of Irrigation Works in Baluchistan for the year 1894-95, forwarded with letter No. 7638, dated the 15th November 1895, 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. The Capital outlay on the two works during and up to the end of 1894-95 was as follows:—

	Number of works.	During the year 1894-95.						Total direct and indirect to end of 1894-95.
		Works.	Establishment.	Tools and Plant.	Total direct charges.	Indirect charges.	Total direct and indirect charges.	
Minor Works and Navigation.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Works for which Capital and Revenue Accounts are kept (Account head 43) . .	2	48,091	2,551	...	50,642	358	51,000	16,12,782

The outlay on the Shebo Canal during 1894-95, including indirect charges, amounted to Rs. 12,847, of which Rs. 12,671 was on works, Rs. 154 on establishment, and Rs. 22 on account of leave and pension allowances. The works outlay of Rs. 12,671, however, includes a sum of Rs. 12,000 paid in settlement of the claims of certain maliks for compensation for a channel which, existing before the construction of the canal, has since been diverted into it.

On the Khushdil Khan Reservoir, the Capital outlay during the year, including indirect charges, amounted to Rs. 38,153, of which Rs. 35,420 was on works, Rs. 2,397 on establishment, and Rs. 336 on account of leave and pension allowances. The sum of Rs. 35,420 charged to works includes Rs. 25,000 paid to Mr. Hitchens, contractor, in satisfaction of his claim against Government for work done on the Khushdil Khan Bund. The principal works undertaken during the year chargeable to Capital were (1) heightening and strengthening banks of main line, (2) constructing new falls on main and Karbella branches, and (3) a central channel in Barshore Feeder cut.

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
Minor Works and Navigation.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Shebo Canal	6,77,231	5,485	94	5,579	6,265	165	6,430	—851	...
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Total .	16,12,782	21,082	94	21,176	13,052	343	13,395	7,781	0·48
Figures for 1893-94 .	15,61,782	48,838	72	48,910	21,716	600	22,316	26,594	1·70

The working of the Shebo Canal during the year under review resulted in a loss instead of a profit. It is stated that this is mainly due to the system of collecting revenue in kind instead of in cash. During the year under review the crops were poor both in quality and quantity owing to blight, and prices were very low compared with those of the previous year. The result has been a heavy loss of revenue. It was remarked in the report of the previous year that it was hoped that a proper settlement survey would soon be made, and that a 'cash rate' of from Rs. 5 to Rs. 6 per acre would then be fixed, replacing the existing cumbrous system of 'batai' or 'division of the crop,' and it was explained that in this way much time and trouble would be saved, the 'expenses of collection' would be largely reduced, and Government would be ensured its fair share. In the present report the 'batai' system is again referred to as 'cumbrous and expensive,' but no hope of its early replacement is now held out. The Government of India trust that proposals to remedy this very unsatisfactory state of affairs may soon be matured and submitted for consideration.

The net return from the Khushdil Khan Reservoir amounted to Rs. 8,632, or 0·92 per cent. on the capital expended, against 2·20 per cent. during the previous year. The cause of the decrease is explained as due to poor crops and a fall in the prices of grain and bhoosa.

There were no remissions and no arrears of revenue due at the end of the year 1894-95, with the exception of Rs. 4,459 due from the Forest Department on account of water supplied to the Shebo plantations, and this has since been recovered and will be shown in the accounts for 1895-96.

On the Shebo Canal, the yield per acre during the year was—wheat 5·32 maunds and barley 8·71 maunds against the previous year's yield of 6·67 and 11·12 maunds, respectively, and the revenue realized from the irrigation of these crops was Rs. 2·75 for wheat and Rs. 3·38 for barley per acre, as compared with Rs. 4·78 and Rs. 5·75 in 1893-94. On all cultivated lands the average revenue collected was Rs. 2·75 per acre against Rs. 4·88 per acre in the preceding year. The average rate charged for the Forest plantation was Rs. 2·85 per acre. It is stated that the year under review was deficient in regard both to rain and snow falls, the rainfall being only about one-third of that of the previous year, and that this was the cause of the small produce per acre.

On the Khushdil Khan Reservoir, the yield per acre was 8·47 maunds of wheat and 15·52 maunds of barley, against the preceding year's yield of 11·50 and 14·45 maunds, respectively. The revenue realized was—wheat Rs. 4·26 per acre and barley Rs. 6·37 per acre, against Rs. 9·59 and Rs. 7·82 realized in the preceding year.

4. The area irrigated by the Shebo Canal during the year amounted to 1,993½ acres, including 64 acres irrigated by the Forest Department, but excluding 1,566 acres of Forest plantation, against 2,520 acres irrigated in the preceding year, of which 44 acres were irrigated by the Forest Department. The Khushdil Khan Reservoir irrigated 2,902½ acres during the year (of which 37⅝ acres were kharif crops) against 3,731 acres irrigated during 1893-94. 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.	Rs.	Rs.
Shebo Canal	5,086	1,179	...	6,265	165	6,430	1,993	3·2
Khushdil Khan Reservoir. .	5,518	1,269	...	6,787	178	6,965	2,902	2·4
Total .	10,604	2,448	...	13,052	343	13,395	4,895	2·7
Figures for 1893-94 . .	17,315	4,288	113	21,716	600	22,316	6,251	3·6

There was a reduction in the charges for Revenue Establishment on both the Shebo Canal and the Khushdil Khan Reservoir, as compared with the previous year.

The outlay on repairs on the Shebo Canal amounted to Rs. 5,086 and on the Khushdil Khan Reservoir to Rs. 5,518, but no details of this expenditure have been furnished in the report under review.

6. The rainfall at Quetta and Shirinao during 1894-95 was 7·33 and 5·49 inches, respectively, as compared with 14·87 and 19·50 inches in the previous year. The rainfall at Khushdil Khan was 6·32 inches and at Pishin 7·35 inches against 14·67 and 16·26 inches in the preceding year.

7. A statement showing the monthly distribution of the rainfall has been incorporated in the report under review.

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 and guidance.

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. W. OTTLEY, *Colonel*,

Deputy Secretary to the Government of India.

G. I. L. P. O.—No. 1307 P. W. D.—27-2-96—175.—T. C. S.

No. 272. Dy 20 march/96.

Communicated to the
Chief Engineer for Irrigation.
(Sd) REEDS

To the Chief Engineer for Irrigation
with report.

No. 37 I.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

Calcutta, the 26th February 1896.

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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. The Capital outlay on the two works during and up to the end of 1894-95 was as follows:—

	Number of works.	During the year 1894-95.						Total direct and indirect to end of 1894-95.
		Works.	Establishment.	Tools and Plant.	Total direct charges.	Indirect charges.	Total direct and indirect charges.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Minor Works and Navigation.								
Works for which Capital and Revenue Accounts are kept (Account head 43) . .	2	48,091	2,551	...	50,642	358	51,000	16,12,782

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Shebo Canal	6,77,231	5,485	94	5,579	6,265	165	6,430	—851	...
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4 The area irrigated by the Shebo Canal during the year amounted to 1,993½ acres, including 64 acres irrigated by the Forest Department, but excluding 1,566 acres of Forest plantation, against 2,520 acres irrigated in the preceding year, of which 44 acres were irrigated by the Forest Department. The Khushdil Khan Reservoir irrigated 2,902½ acres during the year (of which 37½ acres were kharif crops) against 3,731 acres irrigated during 1893-94. 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.	Rs.	Rs.
Shebo Canal	5,086	1,179	...	6,265	165	6,430	1,993	3·2
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Total .	10,604	2,448	...	13,052	343	13,395	4,895	2·7
Figures for 1893-94 . .	17,315	4,288	113	21,716	600	22,316	6,251	3·6

There was a reduction in the charges for Revenue Establishment on both the Shebo Canal and the Khushdil Khan Reservoir, as compared with the previous year.

The outlay on repairs on the Shebo Canal amounted to Rs. 5,086 and on the Khushdil Khan Reservoir to Rs. 5,518, but no details of this expenditure have been furnished in the report under review.

6. The rainfall at Quetta and Shirinao during 1894-95 was 7·33 and 5·49 inches, respectively, as compared with 14·87 and 19·50 inches in the previous year. The rainfall at Khushdil Khan was 6·32 inches and at Pishin 7·35 inches against 14·67 and 16·26 inches in the preceding year.

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J. W. OTTLEY, *Colonel,*

Deputy Secretary to the Government of India.

S. I. C., P. O.—No. 1307 P. W.D.—27-2-96—175.—T. C. S.

No. 272. I of 20 March 96.

Communicated to the Chief Engineer for Irrigation.

(Sd) R R D B.

To

The Chief Engineer for Irrigation, with reports.

No. 37 I.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

Calcutta, the 26th February 1896.

Review of the Revenue Report of the Irrigation Works in Baluchistan for the year 1894-95.

Read—

Revenue Report of Irrigation Works in Baluchistan for the year 1894-95, forwarded with letter No. 7638, dated the 15th November 1895, 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. The Capital outlay on the two works during and up to the end of 1894-95 was as follows:—

	Number of works.	During the year 1894-95.						Total direct and indirect to end of 1894-95.
		Works.	Establishment.	Tools and Plant.	Total direct charges.	Indirect charges.	Total direct and indirect charges.	
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G. I. C. P. O.—No. 1307 P. W. D.—27-2-96—175.—T. C. S.

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No 272. Id/20 March/96.

Communicated to the
Chief Inquiries for Irrigation.

(Sd) R R & D B

To The Chief Engineer for Irrigation,
with report.

F.W. 83.
2,000—23-10-06.