

Half-yearly Promotion Recommendation Roll of the

Engineer

NAME.	Branch.	Rank in the Public Works Department.		Dates.	
		Present.	Proposed.	Of First Appointment in the Department.	Of Present Appointment.

<i>Major C. H. Mc. Keanington, P. W. General</i>	<i>Gen. Engineer</i>	<i>Sec. Engineer</i>	<i>January 1871</i>	
	<i>2^d grade</i>	<i>1st grade</i>		

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B5

A4

B4

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W

Mr Grant arrived this
morning 1-9-57 and
leaves this afternoon for
England by the Monroa.

I send you today Mr Grant's
report of his work in Burma.

Mr Taylor writes that he
proposed to ~~Madras~~ Presidency
or Chingleput; and as
I understood from Sir V
that he would like to
have Mr Menhamm (Barnard),
Mr Taylor might take his place.

Wm
1.9.57

S. O. Sirea.

From.

S. O. Grant Esquire
Executive Engineer.

To

The Chief Engineer P.W.D.
Madras.

1st September
Dated 31 August 1887

Sir,

I have the honor to report that I have
this day returned from Burma and propose
at once to avail myself of the leave
granted me in the Fort St. George Gazette
of the 23rd of August.

On arrival in Mandalay I was directed
to proceed to the Kyaukse district and to examine
the irrigation works, with a view to suggesting
improvements.

I found a very extensive system of
irrigation depending on two rivers which
apparently bring down a very large
quantity of water, and so far as I could

judge, all that is immediately necessary is to maintain the existing works, construct rough regulating works, and sluices and defer any attempt at large and expensive works, till reliable data are available.

At present there is of course no information as to the quantity of water available or of the area of land that can be cultivated, while the greater part of the country is covered with jungle. And inspection is most difficult owing to the necessity of being at all times accompanied by an escort - guides &c. &c.

Mr. Joyce remained in Kyaukse to assist the Deputy Commissioner in carrying out some improvements I had suggested, but found it most difficult to get labor, or to carry out work continuously. What he was able to do, was understood recognized as an improvement.

After leaving Kyaukse I was directed to ascertain whether it would be possible to supply the town of Maudalay with water from a river about 30 miles

North of the town.

For this purpose I had to take a line of levels and a survey of the probable line of the Canal, but as the rainy season came on, I found it impossible to do more than lay out the line which the main Canal should follow.

It is proposed also to irrigate some 160,000 acres of land by the same dam which is to supply Maudalay, and this will of course necessitate extensive surveys and levels which cannot now be undertaken. With the rains, the unhealthy season also came on and at last I found it impossible to do any thing as the men of my escort all had fever, some most severely - and my horses were in the same condition;

Mr. Taylor and Mr. Joyce were laid up several times from fever and the former on one occasion from dysentery. On the whole I fear our services were of but little value to the Government of Burma, but from no fault of our own.

1. We reached Burma at the wrong season the proper time to have gone being October when the rains cease and the cool healthy weather can be depended on till March.

2. We could get no assistance from Government in the way of Surveyors &c. Even horses we had to find for ourselves, where we could, as there were no permanent men available to give us.

3. At first, there was a difficulty in getting escorts, as the ^{My} Authorities could not supply them.

Had I known more of the subject I should have endeavoured to get a permanent agent for our work, but being new to the country, I did not know that such an arrangement was possible.

4. There is not yet sufficient information collected to justify any one in drawing up large irrigation projects, nothing is known of the small rivers, very little of the existing cultivation, or of the cultivable area, so that there is really nothing at all to go on in dealing with irrigation. While the water rate proposed, One Rupee per acre, I understand, is not likely to

make irrigation works successful financially in a country where work costs three times as much as in India.

I am glad to be able to report that Messrs. Taylor and Joyce have throughout the time we spent in Burma, done their work well and most cheerfully, sometimes under very depressing circumstances of weather, health &c. &c.

I have the honour to be
Sir,

Your most Obedient Servant.

J. D. Grant
Executive Engineer.

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