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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2760	Press
375-384	~~Mis.~~
Dated 17-9-1864	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
17th September 1864.*

Read the following papers:—

No. 375. From Lieutenant-Colonel O. W. S. CHAMBERS, R. E., Superintending Engineer, 1st Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Waltair, 5th August 1864, No. 733.

Sir,

* No. 1,685 of 9th June 1864.

I. With reference to the Order of Government, as per margin,* calling upon me to

prepare, in communication with the local Military authorities, a list of works which might with advantage be executed by the Soldiers of the Native Army, I beg to offer the following explanatory statement.

2. On receipt of the order, application was at once made to the Colonels of the Native Infantry Regiments at Vizagapatam, Berhampore, and Vizianagram.

3. Colonel Money, Commanding the 31st, answered me that he had no authority to entertain my proposition.

4. On the General Commanding the Division being addressed, he replied that he considered me premature in taking action on the order of Government whilst no orders had yet been issued in the Military Department for the guidance of Commanding Officers.

5. Colonel Sturrock, Commanding the 11th at Berhampore, answered that he was not at present desirous of undertaking works either in the vicinity of his station or elsewhere.

6. Colonel Coode, Commanding at Vizianagram, being under orders for Cuttack, handed over my letter to Major Spottiswoode, Commanding the 21th Regiment, and this latter Officer informed me on the 29th July 1864, that some of his men had expressed their readiness to undertake in part the construction of Trunk Road No. VI, a work in progress near Vizianagram, which I had suggested to be a suitable work to be undertaken.

7. I am still in correspondence with Major Spottiswoode on the subject, but am not very sanguine that any action will result from our interchanging letters.

8. Instead, therefore, of furnishing Government with a list of works to be undertaken by the Military in the First Division, I can only specify one work which may possibly be in part established by them, viz., "Trunk Road No. VI, from Chittavalsa to Chicacole, Budget number 116, Budget allotment 20,000 Rupees."

No. 376. From Lieutenant-Colonel J. C. ANDERSON, R. E., Superintending Engineer, 2nd Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Masulipatam, 10th August 1864, No. 58:—

Sir,

Referring to G. O. No. 1,685, dated 9th June 1864, calling for a list of works in which Native Soldiers might be employed with advantage, I have the honor to report that the only works available in the neighbourhood of Masulipatam, the single Military station in this Division,

are some small drainage* channels between the station and the sea. These will be commenced after the rainy season, and may be offered to the Sepoys for execution at the estimated rates, but I question if it will be worth their while to undertake them. A letter from the Officer Commanding the station is annexed. Colonel Nott deprecates the employment of the men of his Regiment in camp, but even if he could place a detachment at my disposal, there are no works in progress on which I could turn the Sepoys to good account, unless it might be on the quarries at Bazarah, where from one to two hundred men might be employed with advantage if not relieved at shorter intervals than twelve months.

* Drainage Channels between the town and station of Masulipatam and the sea. Estimate Rupees 5,640. G. O. No. 2,866, dated 1st December 1863.

in Camp, but even if he could place

2 *Proceedings of the Madras Government, Public Works Department,*
17th September 1864.

From Lieutenant-Colonel H. NOTT, Commanding 19th Regiment N. I., to the Superintending Engineer, 2nd Division, dated Masulipatam, 6th August 1864, No. 184.

SIR,

1. With reference to your letter No. 96, dated 29th July 1864, giving cover to a copy of G. O. No. 1,685, dated 9th June 1864, I have the honor to state that I can see no objection to the men of the Regiment under my command being employed on Public Works of the description alluded to in paragraphs 2 and 3 of your letter under reply, if sufficiently near the Regimental Barracks and Lines as not to interfere with their usual attendance at the morning exercise of the Regiment and the cleaning of their arms and accoutrements, which duties are always concluded by 9 o'clock A. M.

2. With reference to the establishment of camps at a distance from the Regimental lines (involving separation of the men from their families), I cannot consider such a measure advisable, as the system would, I fear, tend greatly to undiscipline those men and, in my opinion, only the worst characters would be willing to undertake such employment.

3. I should also be afraid that a bad feeling might be created in the corps by the employment of a number of men at a distance on such work, as it would necessarily involve an increase of tours of duty for the remainder, and also necessitate the detailing of frequent fatigue parties for the purpose of cleaning the arms and accoutrements of the men absent at the camps.

(True Copy.)

(Signed) J. C. ANDERSON, Lieut.-Colonel, R. E.,
Superintending Engineer, 2nd Division.

No 377. From Lieutenant-Colonel E. HEMERY, R. E., Superintending Engineer, 3rd Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Cuddapah, 9th August 1864, No. 79 :—

SIR,

1. With reference to Order of Government No. 1,685, dated 9th June 1864, I have the honor to report that in the Cuddapah District there are no works on which Soldiers of the Native Army could be advantageously employed.

2. In the Bellary District, work could be provided for Sepoys near Bellary if the estimate now under preparation is sanctioned, for ensuring a supply of water for that Cantonment, by collecting and storing the drainage from a range of hills to the westward, vide Order of Government No. 1,389, dated 13th May 1864.

3. The Sepoys of the Native Infantry at Kurnool might be very usefully employed in levelling the ramparts of the old Fort at that station, but for which provision has not been made in the Imperial Budget of 1864-65.

No. 378. From Lieutenant-Colonel C. V. WILKIESON, R. E., for Superintending Engineer, 4th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Madras, 8th July 1864, No. 1,519 :—

SIR,

1. With reference to the Proceedings of Government No. 1,685, dated 9th June 1864, I have the honor to report that at present there are no works in this Division on which Native Soldiers can be employed as labourers with advantage, but that at the Presidency employment will be gladly given by the Executive Engineer in charge of the Fort and Northern Ranges to any artificers from the Native Army as may be placed at his disposal.

2. As respects the Military Cantonment at Saint Thomas' Mount, the Range Officer states that, for the works proposed or sanctioned for execution during the present year, no economy, and some inconvenience, would result from employing Sepoys; but that should the Permal Tank project, or the project for removing the Arsenal and Artillery buildings to that station be sanctioned, a whole Regiment might be employed for many months in the immediate neighbourhood of Palaveram.

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17th September 1864.

No. 379. From Captain T. E. GAHAGAN, R. E., Acting Superintending Engineer, 5th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Salem, 30th June 1864, No. 489.

SIR,

With reference to G. O. No. 1,685 of the 9th instant, I have the honor to state that there are no works at present going on or proposed for execution in this Division, on which parties of troops can be employed with advantage.

No. 380. From Captain J. BEAN, R. E., Officiating Superintending Engineer, 6th Division, to Major J. H. M. SHAW STEWART, R. E., Deputy Secretary to Government, Public Works Department, dated Tanjore, 4th August 1864, No. 989.

SIR,

1. In reply to your Memorandum No. 108, dated 23rd July 1864, requesting me to send a reply to Order as per margin, regarding the works to be undertaken through the agency of the Native Army, I have the honor to enclose copy of a letter* from the Acting Deputy Assistant Quarter Master General of the Southern Division, to whom I applied† for the opinion of the Military authorities on the question.

Dated 9th June 1864, No. 1,685.

* No. 445, dated 2nd August 1864.

† Copy enclosed, No. 745, dated 15th July 1864.

2. There are no new works in progress in the Tanjore District on which the Native troops could be employed, and in the Trichinopoly District the Executive Engineer suggests that the Sepoys should be employed on the Latrines sanctioned by Government in Order as per margin, and the estimate for which work was submitted for approval to the Supreme Government.

No. 1,978, dated 9th July 1864.

3. The only new road in progress is sanctioned from the Income Tax Funds, and on it masonry works only are being erected.

From Captain J. BEAN, R. E., Officiating Superintending Engineer, 6th Division, to the Acting Deputy Assistant Quarter Master General, Southern Division, dated Tanjore, 15th July 1864, No. 745.

SIR,

1. I have the honor to enclose copy of G. O. No. 1,685, dated 9th June 1864, and with reference to paragraph 2, I beg to request the opinion of the Major General Commanding regarding the works on which Native Troops are to be employed.

2. The order states that Superintending Engineers, in communication with the local Military authorities, are to submit a list of such works, and to make arrangements for employing upon those works such parties of troops as may be made available.

3. In the Tanjore and Trichinopoly Districts, there are no public works beyond the limits of the Cantonment of Trichinopoly on which I could employ a body of men from one of the Native Regiments.

4. In Tanjore, with the exception of one or two works not of a nature suitable for their employment, our operations consist of repairs to irrigation works and roads. In Trichinopoly it is the same; the only new work outside the Cantonment, of any consequence, being the construction of the Salem road via Torriore, on which I have a grant of Rupees 6,000 from the Income Tax Funds, but which consists of the erection of masonry culverts and small bridges scattered at intervals throughout a distance of 22 miles.

5. In the Cantonment again there is very little scope for elaborating the scheme. Captain Palmer thinks, and I agree with him, that the only work on which the men could be employed is the construction of the compound or enclosing walls of the ten Latrines for the European and Native Regiments and followers, which will be shortly sanctioned, and are approved of by His Excellency the Commander-in-Chief, and the estimates for which have been submitted to the

in Camp, but even if he could leave

4 *Proceedings of the Madras Government, Public Works Department,*
17th September 1864.

Supreme Government on the 9th July 1864. The estimates only amount to Rupees 4,705, the work would be small and consist of building brick and mud walls, which I am not sure that many of the Sepoys could manage. In another year, if the Government sanction the estimate of Rupees 27,600, for demolishing the Fort walls, which was ordered to be entered in the Budget of 1864-65, the troops could be employed on the demolition.

From Captain W. HANDS, Acting Deputy Assistant Quarter Master General, Southern Division, to the Officiating Superintending Engineer, 6th Division, dated Trichinopoly, 2nd August 1864, No. 445.

SIR,

No. 745, dated 15th July 1864.
No. 922, " 29th " "

1. Your letters as per margin.

2. His Excellency the Commander-in-Chief has in reply to a reference made by the Officer Commanding the Division proposed to him certain questions as regards the employment of Native Troops on Public Works, and the Major General desires me to say that until the replies to these questions have been submitted to His Excellency and his orders thereon received, he is unable to answer your letter of the 15th ultimo, No. 745.

(True Copies.)

(Signed) J. BEAN, Captain, R. E.,

Officiating Superintending Engineer, 6th Division.

No. 381. From Lieutenant-Colonel G. W. WALKER, R. E., Superintending Engineer, 7th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Coimbatore, 2nd August 1864, No. 72:—

SIR,

1. With reference to Government Order No. 1,685 of 9th June, I have the honor to report that the weak numerical strength of the Native Regiments at Cannanore is considered by the local Military authorities to preclude any portion of the force being employed on any contract work whatever. Were they at their full strength they would be available only for repairing roads, digging drains, and such mere cooly work as might be offered near their own lines; the proportion of artisans among them is reported to be small. Distance from the European Cantonment is stated to be an obstacle to their taking up contracts at the new works in progress there. The Executive Engineer agrees with the Military authorities; but is of opinion that it will be advantageous to give Commanding Officers the power of placing at his disposal when required, the services of as many men as can be spared, on daily wages. This power they already possess.

2. At Mangalore Sepoy labour has always been most readily placed at my disposal by the Officer Commanding; and small parties have been employed for long periods in the improvement of the wells in their own lines; also as carpenters and bricklayers, when wanted, on daily wages. One hundred men are now stated to be available and desirous of work; and the extension of the quay at Mangalore is named as a work likely to afford a large amount of suitable employment.

An estimate for this has been some time in the hands of the Collector, and was entered by me in the Port Fund Budget. By November it would be safe and a useful measure to transfer them to the Munjerabad Ghât, for completion of the improvements below it, for which Rupees 2,900 were sanctioned in Government Order No. 1,799 of 21st June, but for which unfortunately funds were omitted to be provided by Government Order No. 1,941 of 4th July 1864, which included all other unfinished works in the District. Trusting to their provision at a later period of the official year, I should recommend the work being undertaken as one of great importance.

3. On the Neilgherries there are no Native Troops, and the Executive Engineer's experience has been chiefly with Europeans; as many as 300 of whom he has employed at a time, on

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17th September 1864.

carpentry and earthwork, by task or petty contract, with perfect success. On the presumption that their Military efficiency is to be maintained, Major Farewell is of opinion that the higher price of food on the Neilgherries would more than swallow up the small wages that Sepoys could earn under such circumstances.

4. For my part I believe that the available labour of the Native Army would be best economized in Military Cantonments by the establishment of manufactories of bricks and tiles and such like materials, in constant demand not only for Government use, but by private parties. At Cannanore the cutting of laterite stones, an art easily acquired, would give most profitable employment, and supply a great want. And if permanent workshops were organized in Cantonments, under the Executive Engineers, without regard to current sanctions only, I believe His Excellency the Governor's object would be answered, and a benefit conferred on the public. The chief difficulty with such workshops is that of keeping the accounts correctly. Works involving a large amount of unskilled labour are not likely to occur in Cantonments.

5. I see no objection to the employment of men on daily wages, if, as must often happen, they and their Officers are alike too ignorant of the nature of the work before them to be able to estimate the rate at which they might contract for it. Three Companies of volunteers from any Native Regiments, whose services could be reckoned on till completion of the works, would be acceptable at each of the Karkur, Tambercherry, and Periah Ghâts in Wynad, if too much stress be not laid on the nature of their hutting and on their drill, during the fine weather months from November to May, during which alone they would be kept in those localities. Working with a Company of Sappers at each place, they would soon be taught to vie with them in usefulness, and form the nuclei of Pioneer Companies, which it might be well worthwhile to have attached to each Native Regiment. A Pioneer Regiment formed of such Companies might with advantage have its permanent head quarters at Manantoddy till the Wynad communications were fairly advanced, and the wants of the hills might be similarly met. But a liberal scale of working pay would be a *sine qua non*.

No. 382. Endorsement of the Superintending Engineer, 8th Division, dated Camp Kodakanel, 17th August 1864, No. 843.

From Major L. PAXTON, Executive Engineer, 1st Range, to Captain F. J. MOBERLY, R. E., Superintending Engineer, 8th Division, dated Tuticorn, 11th August 1864, No. 126:—

SIR,

1. With reference to your letter No. 751 of the 29th July, and Proceedings of Government No. 1,685, 9th June 1864, I have the honor to inform you that I have corresponded with Major Dobbie, Commanding 39th Regiment, regarding the employment of Sepoys, and propose that they may be employed on the following works in Palamcottah.

(1.) Digging gravel for the repair of Cantonment roads.

(2.) Cutting channel and repairing bund of the Ellandacolum tank (estimate for this work will be forwarded immediately). For these works Major Dobbie is prepared to give the services of the men when required.

2. There are two works at such a distance as to require the parties working to move its camp:—

(1.) The Tuticorin road near Mooditanendul, at a distance of twenty miles from Palamcottah.

(2.) The Alencolum Periacolum near Sevilpary (when the estimate for the work receives sanction), at a distance of ten miles from Palamcottah, for these works* Major Dobbie is

* Or one of them.

prepared to give assistance on the order of Government being given permitting him to do so.

3. I have hitherto delayed recommending these works owing to there having been some sickness in the part of the District in which they are situated, they are now more healthy and if sanction is accorded the Sepoys might be employed with advantage.

in Camp, but even if he could leave

**6 Proceedings of the Madras Government, Public Works Department,
17th September 1864.**

1. Forwarded with reference to G. O. No. 1,635 of 9th June 1864.
2. The Officer Commanding Quilon cannot afford any assistance in the building repairs which alone are in progress at that station.

(Signed) F. J. MOBERLY, Captain, R. E.,
Superintending Engineer, 8th Division.

No. 383. Proceedings of the Madras Government in the Military Department:—

Passing orders on papers relative to the employment of }
Soldiers of the Native Army upon the execution of Public } (Here enter 26th August 1864, No. 2,956.)
Works.

No. 384. ORDER THEREON, 17th September 1864, No. 2,710.

1. Paragraph 2 of the foregoing Proceedings of Government in the Military Department will be communicated to the Superintending Engineers for information and guidance.
2. The reports from the Superintending Engineers recorded above will be referred to the Military Department for consideration, in connection with the further orders to be passed in that Department on receipt of the communication promised by the Adjutant General.

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Deputy Secretary to Government.

To the Military Department.
,, Superintending Engineers.

Exd. S. T. Augustin.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

Minute by His Excellency the President.

Suggesting the employment of the Soldiers of the Native Army, in the execution of Public Works by which means an addition may be made to their emoluments.

Here enter — May 1864.

Referred to the Commander-in-Chief, and to the Public Works Department.
27th May 1864.

Proceedings of the Madras Government, Public Works Department.

Passing orders regarding the employment of }
Soldiers of the Native Army upon the execu- }
tion of Public Works.

Here enter 9th June 1864, No. 1685.

From the Adjutant General, Head Quarters, Ootacamund, 9th June 1864, No. 27; to the Secretary to Government, Military Department, Fort Saint George.

With reference to the Minute by His Excellency the President in Council, on the possibility of devising a scheme which might add somewhat to the emoluments of the Native Soldiers, (referred to the Commander-in-Chief on the 27th ultimo,) I have the honor, by order, to state, for the information of Government, that Sir Hope Grant, entirely coincides in the views of His Excellency the Governor, on the desirableness of this measure, and is of opinion, that it would be very advantageous to employ the men, as suggested, upon Government Works under Executive Engineers; their employment being upon Task work only.

2. Officers Commanding Stations will of course be required to bear in mind, the necessity of a sufficient number of men being available for duty, so that they should have four out of five nights in bed.

From the Controller of Military Accounts, Fort Saint George, 2nd July 1864, B; to the Secretary to Government, Military Department.

I have the honor to return the Minute by His Excellency the President of the Council, relative to the employment of Native Soldiers on unskilled labour in the Public Works Department, referred under your docket of the 14th June 1864, together with its accompaniments.

2. It appears to me that it would be very advantageous to the men, and for the benefit of Government, that opportunities should be afforded them of executing Task work, when the Government works are being carried on in the immediate vicinity of their Cantonments. They do not readily take to such work, but direct and active encouragement would probably induce them to avail themselves of it.

3. Adverting to the last clause of paragraph 1 of the Order of Government, however, it is probable that the system

9th June 1864, No. 1685.

of Camps in the vicinity of works could not be carried out without withdrawing a

portion of the men, for a time, from duty, and throwing an increased burden upon the remainder.

4. Whether the strength of Garrisons admits of the arrangement, observing the condition annexed in paragraph 2 of the Adjutant General's letter, being carried out to any extent, I am unable to judge—I should have thought not.

9th June 1864, No. 27.

in Camp, but even if he could leave

5. The system of Camps will involve some expense, and it appears desirable that such should be weighed against the probable advantage, when the information called for, in paragraph 2 of the Order of Government, has been obtained.

6. When that has been furnished, the plan will probably assume a more definite form, and the probable results can be then better estimated.

Referred for the observations of the Commander-in-Chief, especially on paragraphs 3, 4, and 5.

5th July 1864.

Memorandum from the Quarter Master General, Head Quarters, Ootacamund, 26th July 1864, No. 158 7065;
to the Secretary to Government, Military Department.

Forwarded to Government for orders. No communication on the subject having been received in this Office.

From the Officer Commanding Southern Division, Trichinopoly, 20th July 1864, No. 317; to the Quarter Master General, Ootacamund.

In forwarding the accompanying original letter, dated 15th instant, No. 745, * from the Superintending Engineer 6th Division, with Proceedings of the Madras Government, and their Order, No. 1685, dated 9th idem, I have the honor to request that I may be favored with instructions in the matter, as I have not been authorized by your Department to meet such a proposal.

From the Officiating Superintending Engineer 6th Division, Tanjore, 15th July 1864, No. 745; to the Acting Deputy Assistant Quarter Master General, Southern Division.

I have the honor to enclose copy of Government Order, No. 1685, dated 9th June 1864, Public Works Department, and with reference to paragraph 2, I beg to request the opinion of the Major General Commanding regarding the works on which Native Troops are to be employed.

The Order states that Superintending Engineers, in communication with the Local Military Authorities, are to submit a List of such works, and to make arrangements for employing upon those works such parties of Troops as may be made available.

In the Tanjore and Trichinopoly Districts, there are no Public Works beyond the limits of the Cantonment of Trichinopoly on which I could employ a body of men from one of the Native Regiments.

In Tanjore, with the exception of one or two works not of a nature suitable for their employment, our operations consist of repairs to Irrigation works and roads. In Trichinopoly it is the same; the only new work outside the Cantonment, of any consequence, being the construction of the Salem road *via* Torriore, on which I have a grant of Rupees 6,000, from the Income Tax Funds, but which consists of the erection of masonry Culverts and small Bridges scattered at intervals throughout a distance of twenty-two miles.

In the Cantonment again there is very little scope for elaborating the scheme. Captain Palmer thinks, and I agree with him, that the only work on which the men could be employed is the construction of the compound or enclosing walls of the ten Latrines for the European and Native Regiments and Followers, which will be shortly sanctioned, and are approved of by His Excellency the Commander-in-Chief, and the Estimates for which have been submitted to the Supreme Government on the 9th July 1864.

The Estimates only amount to Rupees 4,705; the work would be small and consists of building brick and mud walls, which I am not sure that many of the Sepoys could manage.

In another year, if the Government sanction the Estimate of Rupees 27,600 for demolishing the Fort walls, which was ordered to be entered in the Budget of 1864-65, the Troops could be employed on the demolition.

From the Adjutant General, Head Quarters, Ootacamund, 27th July 1864, No. 346; to the Secretary to Government, Military Department, Fort Saint George.

I have the honor, by order of the Commander-in-Chief, to acknowledge the receipt of the referred letter* from the Controller of Military Accounts, communicated with your Memorandum, dated 5th instant.

* B, 2nd July 1864.

2. It has already been intimated† to Government, that His Excellency entirely approves of the suggestion to employ the Native Troops on Task work, provided that they are not withdrawn, for that purpose, in such numbers as to make the duty unduly severe on those who remain available for furnishing Guards.

† 9th June 1864, No. 27.

3. Sir Hope Grant, in the letter above alluded to, required that sufficient men should be left for duty, to give them four out of five nights in bed, I am now desired to state that the restriction should have specified seven out of nine, instead of four out of five nights in bed.

4. When the men are employed on Public Works in their own Garrison, there seems to be no reason why they should not take their regular tours of Guard duty, as was the case in Bangalore. *Vide* Proceedings of Government, 20th December 1861, No. 4702.

5. With regard to the formation of Camps in the vicinity of works too distant for the Troops to be marched to them daily from their Quarters, the Commander-in-Chief will offer no objection to this, subject to the restriction mentioned in paragraph 3 above. But this may involve the necessity for Officers being sent with them, and such Officers will of course be entitled to Batta while so employed in Camp. Medical attendance will also have to be provided according to the number of Troops engaged on the work.

6. On referring to my letter to Government, dated 26th June 1863, No. 479; it will be seen that the Native Troops generally in India had *then* more than four nights out of five in bed. But since that date four Corps have been reduced; and the annual relief of Regiments being about to take place, it is not likely that Troops in any number will be available for Government employ on Public works until the reliefs have been carried out, and even then at but few Stations, except under the Provisions of the 4th paragraph of this letter.

7. Officers Commanding Divisions have been called upon to furnish information as to the number of men that could be spared from the different Garrisons under their Command for employment in the neighbourhood requiring them to be moved into Camp, and the result shall be communicated to Government in due course. In the meantime, if the Department Public Works will come forward with a definite proposition in regard to any particular work to be done, it can at once be disposed of, by reference to the Officer Commanding the Garrison in which the Troops proposed to be employed thereon are quartered.

ORDER, No. 2956, 26th August 1864.

Ordered that the last four of the papers above recorded, be communicated to the Public Works Department.

in Camp, but even if he could leave

2. Pending any further orders which may be passed on receipt of the communication promised in paragraph 7 of the Adjutant General's letter, dated 27th July 1864, the Governor in Council, with advertence to the suggestion in the concluding clause of that paragraph, directs that special application be made, by Superintending Engineers through local Commanding Officers, to the Commander-in-Chief wherever it may be proposed to employ Native Troops on public works.

(True Extract.)

To the Public Works Department.

- „ Adjutant General.
- „ Controller of Military Accounts.
- „ Quarter Master Genl., with two enclosures.
- „ Military Accountant.
- „ Examiner Pay Department.

Deputy Secretary to Government.

No 58.
10000
Super Engineer Office
Madrass
10th August 1864.
From Sub Col J. C. Anderson R.E.
Super Engineer
To The Secretary to Government
J. P. E.

Sir
Referring to G. O. No 1685 dated
9th June 1864. Calling for a list of works
in which native soldiers might be
employed with advantage, I have the
honor to report that the only works
available in the neighbourhood of
Madrass. The single military station
in this division, are some small

Drainage Ch^x between the Low and Station of Madrass and the Sea. These will be commenced
after the rainy season, and may be
offered to the Sepoys for execution at
the estimated rates, but I question
if it will be worth their while to
undertake them. A letter from the
Officer Commanding the station is
annexed. Col. Pitt deprecates the
employment of the men of his Regiment
in Camp, but even if he could place

Ed. R. Stephenson.

a. detachment at my disposal
there are no works in progress on
which I could turn the Sefoy's to good
account; unless it might be on the
quarries at Bagparah. where from
one to two hundred men might be
employed with advantage if not
relieved at shorter intervals than
twelve months.

I have the honor to be
Sir
Your most Obedt Servt

J. W. W. V. of R. B.
Capt Engineer 22 Dr

L. M. A. C.
Sir

No 184

The Superintendent Engineer
and Director
Madras

Sir
With reference to your letter
No 96 dated 29th July 1864, giving cover to a
Copy of G. O. No 1685 dated 9th June 1864.
I have the honor to state that I can
see no objection to the men of the Regt
under my command being employed
on Public works of the description
alluded to in Paras 2 and 3 of your
letter under reply, if sufficiently near
the Regimental Barracks and lines
as not to interfere with their usual
attendance at the morning exercise
of the Regiment and the cleaning of
their arms and accoutrements, which
duties are always concluded by 9 o'clock
A.M.

II With reference to the Establishment
of Camps at a distance from the Regt
Lines / involving separation of the
men from their families / I cannot
consider such a measure advisable
as the System would, I fear, tend

greatly to discipline those men, &
in my opinion, only the worst Characters
would be willing to undertake such
employment.

I should also be afraid that a bad feeling might be created in the Corps by the employment of a number of men at a distance on such work, as it would necessarily involve an increase of tours of duty for the remainder, and also necessitate the detaching of frequent parties for the purpose of cleaning the arms and accoutrements of the men absent at the Camps.

I have been
 signed / A. C. Batt. 1st Regt. A. I. S.
 Commanding 1st Regt. A. I. S.
 (True copy)

Thaddeus Wentworth
Superintendent of Ind.

777 664 Dep't
Pro. of fort-258 for Sept-
From 777 3623
The Supy. Engineer
22 Division
To The Secretary to Govt
D.O.W.
Dated 10th August/64
Received-17
Reporting that the only
works available in the
neighbourhood of Masu-
lipatam and which
Native Soldiers might be
employed with advantage
are some small drainage
channels between the
estuary & the sea - and
offering certain remarks
on the subject -
no 2710-125 Sept 1864.

N^o 49

Cuddapah
Sd. Mag. Inq. Office
9 August 1864.

To

Lieut. Col. R. Henry P. C.
Sd. Mag. Engineer
3 Division

The Secretary to Government
P. W. D.

Sir,

With reference to Order of Government N^o 1685 dated 9th June 1864, I have the honor to report that in the Cuddapah District there are no works on which soldiers of the Native Army could be advantageously employed.

2. In the Bellary District, works could be provided for Sepoys near Bellary if the estimate now under preparation is sanctioned for inducing a supply of water for that Cantonment by collecting and storing the drainage from a range of hills to the Westward, vide Order of Government N^o 1389 dated 13th May 1864.

3. The Sepoys of the Native Infantry at Kar. put might be very usefully employed in building the ramparts of old Fort at that Station, but for which provision has not been made in the Imperial Budget of 1864/65.

I have &c.

Henry

Lt. Col. P. C.

Sd. Mag. Engineer
3 Div.

CP-

N^o 1519.

Superintending Engineer's Office
4th Division Madras.
8th July 1864.

From
Lieut^{nt} Colonel C. V. Wilkinson R.E.
For Superintending Engineer 4th Div.

To
Colonel C. A. Orr R.E.
Secretary to Government P.W.D.

Military. Sir,

With reference to the Proceedings
of Government N^o 1685 dated 9th June 1864,
I have the honor to report that at present there
are no works in this Division on which Native
Soldiers can be employed as labourers with
advantage, but that at the Presidency employment
will be gladly given by the Executive Engineer
in charge of the Fort and Northern Ranges to
any Artificers from the Native Army as
may be placed at his disposal.

As respects the Military Cam-
pament at St. Thomas Mount the Range
Officer

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Referring to the report
of the Engineer in Charge
of the Fort and Northern
Ranges in Madras
District.

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218
Officer states that for the works proposed or sanctioned for execution during the present year no economy, and some inconvenience, would result from employing depots, but that should the Permal Tank Project, or the Project for removing the Arsenal and Artillery buildings to that station be sanctioned, a whole Regiment might be employed for many months in the immediate neighbourhood of Palaveram.

Madras I have the honor to be
8th July 1863 Sir

Your Most Obedient Servant

Monkum Lt. Col. R.E.

For Superintending 4th Div.

To
Colonel C. A. Carr R.E.
Secretary to Government P.W.D.

Vol 1864 Date
Proc of Foot 100 Sept 11
No 2977

From
The Sq: Sup: Engineer
5th Ar

To
The Secretary to Govt
A.P. H.

Dated 30 June 1864
Recd 4 July 1864
No 489

States that there are
no works in the 5th Ar
on which parties of native
troops can be employed
with advantage

Jap

Ex 2710-17th Sept 64

No 379

Report that present
there are no works in the
Division in which that
troops can be employed
with advantage and it
in the Presidency and
Northern Divisions and that
work may be available
in the same
Divisions in connection
with the Military Div
sions.

of the Secretary
to Govt 100 Ar

Dated 8th July
Recd 93 July

No 1519

Report that present

there are no works in the

Division in which that

troops can be employed

with advantage and it

in the Presidency and

Northern Divisions and that

Page

Ex 2710-17th Sept 64

N. 745

Super Engr's Office to D^r
Tanjore 15th July 1864

From,

Captain J. Bean R.E.
Offgⁿ Super Engineer, to D^r

To,

The Asst Deputy Assistant Quarter
Master General, Southern D^r

Sir,

I have the honor to enclose copy
of G. O. N^o 1685 dated 9th June 1864,
and with reference to paragraph II I
beg to request the opinion of the Major
General Commanding regarding the
works on which Native troops are to be
employed.

The Order states that Superin-
tending Engineers in communication
with the Local Military authorities
are to submit a list of such works
and to make arrangements for employing
upon those works such parties of Troops
as may be made available.

In the Tanjore and Trichinopoly
Districts there are no public works
beyond the limits of the Cantonment

J

of Trichinopoly on which I could employ a body of men from one of the Native Regiments.

In Tanjore, with the exception of one or two works not of a nature suitable for their employment, our operations consist of Repairs to irrigation works and Roads. In Trichinopoly it is the same, the only new work outside the Cantonment of any consequence being the construction of the Salem Road via Torrone on which I have a grant of Rs 6000 from the Income Tax Funds, but which consists of the erection of Masonry Culverts and small bridges scattered at intervals throughout a distance of 22 miles.

In the Cantonment, again, there is very little scope for elaborating the scheme. Captain Palmer thinks, and I agree with him, that the only work on which the men could be employed is the construction of the compound or enclosing walls of the 10 Latrines for the European and Native Regiments and followers which will be shortly sanctioned and are
approved

275
approved of by His Excellency the
Commander-in-Chief and the Estimates
for which have been submitted to the
Supreme Government on the 9th July
1864. The Estimates only amount
to Rs 4,705, the work would be small
and consist of building brick and
mud walls which I am not sure
that many of the Sepoys could manage.
In another year, if the Government
sanction the Estimate of Rs 27,600
for demolishing the Fort walls which
was ordered to be entered in the
Budget of 1864-65, the Troops could
be employed on the demolition.

I have &c.

/Signed/ J Bean Capt R.E.
Offg. Super. Engineer to Dn

N. 445

To,

The Superintending Engineer,
6th Division, Tanjore.

Sir,

Your letters as per margin.

2 His Excellency the Commander-
in-Chief has in reply to a reference
made

N. 745 d/15th July 64
-- 922 d/29th --

made by the Officer commanding
 the Division proposed to him certain
 questions as regards the employment
 of Native Troops on Public Works
 and the Major General desires me
 to say that until the replies to
 these questions have been submitted
 to His Excellency and his orders
 thereon received, he is unable
 to answer your letter of the 15th
 D.O. No. 745.

I have &c

Signed W. Hand's Captain.

Despatch to Mr. Genl. S. D.
 Officer in Charge
 Trichinopoly
 2nd August 1864

/ True Copies /

J. H. Carr

Capt. R. C.

Offg. Supr. Engineer to Govt.

295

W 3487/14

Enclosure in letter
 No. 989 dated 14th Aug-
 1864 from the Off^o
 Supr. Engr. to Govt.
 the D^o Sec^y to Govt.
 P. W. D.

23/11/11

22/11/11

31A
No. 989-

Super Engineer's Office to D.
Tanjore 14th August 1864

From, Captain J. Bean R.E.
Offg. Super Engineer to D.

To, Major J. H. M. Shaw Stewart R.E.
Deputy Secretary to Government
P. W. D.

Enclosure 1

Sir,

dated 9th June
1864 No. 1685

No. 445 dated
2nd August 1864

* Copy enclosed
No. 745
d/15th July 1864

In reply to your Memorandum
No. 108 dated 23rd July 1864, requesting
me to send a reply to order as per
margin regarding the works to be
undertaken through the agency of the
Native Army, I have the honor to
enclose copy of a letter from the Acting
Deputy Assistant Quarter Master General
of the Southern Division to whom
I applied for the opinion of the Military
authorities on the question.

2 There are no new works
in progress in the Tanjore District
on which the Native troops could be
employed, and in the Trichinopoly
District the Executive Engineer suggests
that the Lepoys should be employed
on the Latrines sanctioned by Government
in order as per margin and the
Estimate

No. 1978 dated
9th July 1864

Estimate for which work was submitted
for approval to the Supreme Government.
3. The only new road in progress
is sanctioned from the Income Tax
as funds, and on it masonry works only
are being erected.

I have the honor to be
Sir,
Your most obedient servant

Yours
Rear Capt R E

Asst Super Engineer to D.

33A

1864
From
The Asst Engineer
to D.

To
The Dy Secretary to Govt
P.W.D.

Dated 4th Aug 1864
Recd 8th
N. 989
Encls: 1

N:380

Replying to L. O. N. 1685
dated 9th June 1864
regarding the works
the expenditure thro'
the agency of the Native
Army.
ex. 2710-1750 Sept 1864-

R. A. M.

N^o 72

Superintending Engineer's Office
7th Division

From

Cambay 2^d August 1864

The Superintending Engineer

7th Division

35A

To

The Secretary to Government

Department Public Works

Sir,

With reference to Government Order N^o 1685 of 9th June I have the honor to report that the weak numerical strength of the Native Regiments at Cambay is considered by the local Military Authorities to preclude any portion of the force being employed on any Contract work whatever - Were they at their full strength they would be available only for repairing roads, digging drains, and such mere Coaly work as might be offered near their own Lines; the proportion of Artizans among them is reported to be small - Distance from the European Cantonment is stated to be an obstacle to their taking up Contracts at the new works in progress there. The Executive Engineer agrees with the Military Authorities; but is of opinion that it will be advantageous to give Commanding Officers the power of placing at his disposal when required, the services of as many men as can be spared, on daily wages - This power they already possess. At Mangalore Sepoy labour has always been most readily placed at my disposal by the officer Commanding; and small parties have been employed for long periods in the improvement of the

Hells in their own lines; also as Carpenters and Bricklayers, when wanted, on daily wages - 100 men are now stated to be available and desirous of work; and the extension of the Quay at Mangalore is named as work likely to afford a large amount of suitable employment. An Est. sent by him to me for this has been some time in the hands of the Rev. B. the Collector, and was entered by me in the Port Fund Budget. - By November it would be safe, and a useful measure, to transfer them to the Munjerabad Ghant for completion of the improvements below it for which Rupees 2900 were sanctioned in Government Order No. 1799 of 21st June, but for which unfortunately funds were omitted to be provided by Government Order No. 1741 of 4th July 1864 which included all other unfinished works in the District. - Trusting to their provision at a later period of the official year, I should recommend the work being undertaken as one of great importance. -

3 On the Nilgherries there are no Native Troops, and the Executive Engineer's experience has been chiefly with Europeans; as many as 300 of whom he has employed at a time, on Carpentary and Earthwork, by Task or petty Contract, with perfect success. - On the presumption that ~~that~~ their Military efficiency is to be maintained, Major Farewell is of opinion that the higher price of food on the Nilgherries would more than swallow up the small wages that Sepoys could earn under such circumstances. -

For

4 For my part I believe that the available labour of the Native Army would be best economized in Military Cantonments by the establishment of manufactories of Bricks and Tiles and such like materials, in constant demand not only for Government use, but by private parties. - At Cannanore the cutting of Laterite stones, an art easily acquired, would give most profitable employment, and supply a great want. - And if permanent workshops were organized in Cantonments, under the Executive Engineers, without regard to current sanctions only, I believe His Excellency the Governor's object would be answered, and a benefit conferred on the public. - The chief difficulty with such workshops is that of keeping the accounts correctly. - Works involving a large amount of unskilled labour, are not likely to occur in Cantonments. -

5 I see no objection to the employment of men on daily wages, if, as must often happen, they and their officers are a little too ignorant of the nature of the work before them to be able to estimate the rate at which they might contract for it. - 3 Companies of volunteers from any Native Regiments, whose services could be reckoned on till completion of the works, would be acceptable at each of the Karkur, Sambercherry and Periah Ghants in Wynad, if too much stress be not laid on the nature of their hutting and

hutting, and on their drill, during the fine weather months from November to May, during which alone they would be kept in those localities - Working with a Company of Sappers at each place, they would soon be taught to vie with them in usefulness, and form the nuclei of Pioneer Companies which it might be well worth while to have attached to each Native Regiment. A Pioneer Regiment formed of such Companies might with advantage have its permanent Head Quarters at Madras - manifestly till the Wynaad Communications were fairly advanced. And the wants of the Hills might be similarly met. But a liberal scale of Working Pay would be a sine qua non.

I have the honor to be

Sir,

Your most obt. servant

W. Walker Lieut Col R.E.

Superintending Engineer
Public Works Department

20.3.81.

2710-142 20.3.81

of charge in Public Works
in the Public Works Department

Reports on the progress of
the Public Works Department

1864

27.10.1864

27.10.1864

27.10.1864

27.10.1864

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :-

Minute by His Excellency the President.

Suggesting the employment of the Soldiers of the Native Army, in the execution of Public Works by which means an addition may be made to their emoluments.

Here enter — May 1864.

Referred to the Commander-in-Chief, and to the Public Works Department.
27th May 1864.

Proceedings of the Madras Government, Public Works Department.

Passing orders regarding the employment of Soldiers of the Native Army upon the execution of Public Works.

Here enter 9th June 1864, No. 1685.

From the Adjutant General, Head Quarters, Ootacamund, 9th June 1864, No. 27; to the Secretary to Government, Military Department, Fort Saint George.

With reference to the Minute by His Excellency the President in Council, on the possibility of devising a scheme which might add somewhat to the emoluments of the Native Soldiers, (referred to the Commander-in-Chief on the 27th ultimo,) I have the honor, by order, to state, for the information of Government, that Sir Hope Grant, entirely coincides in the views of His Excellency the Governor, on the desirableness of this measure, and is of opinion, that it would be very advantageous to employ the men, as suggested, upon Government Works under Executive Engineers; their employment being upon Task work only.

2. Officers Commanding Stations will of course be required to bear in mind, the necessity of a sufficient number of men being available for duty, so that they should have four out of five nights in bed.

From the Controller of Military Accounts, Fort Saint George, 2nd July 1864, B; to the Secretary to Government, Military Department.

I have the honor to return the Minute by His Excellency the President of the Council, relative to the employment of Native Soldiers on unskilled labour in the Public Works Department, referred under your docket of the 14th June 1864, together with its accompaniments.

2. It appears to me that it would be very advantageous to the men, and for the benefit of Government, that opportunities should be afforded them of executing Task work, when the Government works are being carried on in the immediate vicinity of their Cantonments. They do not readily take to such work, but direct and active encouragement would probably induce them to avail themselves of it.

3. Adverting to the last clause of paragraph 1 of the Order of Government, however, it is probable that the system of Camps in the vicinity of works could not be carried out without withdrawing a

9th June 1864, No. 1685.

portion of the men, for a time, from duty, and throwing an increased burden upon the remainder.

4. Whether the strength of Garrisons admits of the arrangement, observing the condition annexed in paragraph 2 of the Adjutant General's letter, being carried out to any extent, I am unable to judge—I should have thought not.

9th June 1864, No. 27.

27.10.1864

5. The system of Camps will involve some expense, and it appears desirable that such should be weighed against the probable advantage, when the information called for, in paragraph 2 of the Order of Government, has been obtained.

6. When that has been furnished, the plan will probably assume a more definite form, and the probable results can be then better estimated.

Referred for the observations of the Commander-in-Chief, especially on paragraphs 3, 4, and 5.

5th July 1864.

Memorandum from the QuarterMaster General, Head Quarters, Ootacamund, 26th July 1864, No. 158 to the Secretary to Government, Military Department.

Forwarded to Government for orders. No communication on the subject having been received in this Office.

From the Officer Commanding Southern Division, Trichinopoly, 20th July 1864, No. 317; to the Quarter Master General, Ootacamund.

In forwarding the accompanying original letter, dated 15th instant, No. 745, * from the Superintending Engineer 6th Division, with Proceedings of the Madras Government, and their Order, No. 1685, dated 9th idem, I have the honor to request that I may be favored with instructions in the matter, as I have not been authorized by your Department to meet such a proposal.

* Requested to be returned.

From the Officiating Superintending Engineer 6th Division, Tanjore, 15th July 1864, No. 745; to the Acting Deputy Assistant Quarter Master General, Southern Division.

I have the honor to enclose copy of Government Order, No. 1685, dated 9th June 1864, Public Works Department, and with reference to paragraph 2, I beg to request the opinion of the Major General Commanding regarding the works on which Native Troops are to be employed.

The Order states that Superintending Engineers, in communication with the Local Military Authorities, are to submit a List of such works, and to make arrangements for employing upon those works such parties of Troops as may be made available.

In the Tanjore and Trichinopoly Districts, there are no Public Works beyond the limits of the Cantonment of Trichinopoly on which I could employ a body of men from one of the Native Regiments.

In Tanjore, with the exception of one or two works not of a nature suitable for their employment, our operations consist of repairs to Irrigation works and roads. In Trichinopoly it is the same; the only new work outside the Cantonment, of any consequence, being the construction of the Salem road via Torriore, on which I have a grant of Rupees 6,000, from the Income Tax Funds, but which consists of the erection of masonry Culverts and small Bridges scattered at intervals throughout a distance of twenty-two miles.

In the Cantonment again there is very little scope for elaborating the scheme. Captain Palmer thinks, and I agree with him, that the only work on which the men could be employed is the construction of the compound or enclosing walls of the ten Latrines for the European and Native Regiments and Followers, which will be shortly sanctioned, and are approved of by His Excellency the Commander-in-Chief, and the Estimates for which have been submitted to the Supreme Government on the 9th July 1864.

The Estimates only amount to Rupees 4,705; the work would be small and consists of building brick and mud walls, which I am not sure that many of the Sepoys could manage.

In another year, if the Government sanction the Estimate of Rupees 27,600 for demolishing the Fort walls, which was ordered to be entered in the Budget of 1864-65, the Troops could be employed on the demolition.

From the Adjutant General, Head Quarters, Ootacamund, 27th July 1864, No. 346; to the Secretary to Government, Military Department, Fort Saint George.

I have the honor, by order of the Commander-in-Chief, to acknowledge the receipt of the referred letter* from the Controller of Military Accounts, communicated with your Memorandum, dated 5th instant.

* B, 2nd July 1864.

2. It has already been intimated† to Government, that His Excellency entirely approves of the suggestion to employ the Native Troops on Task work, provided that they are not withdrawn, for that purpose, in such numbers as to make the duty unduly severe on those who remain available for furnishing Guards.

† 9th June 1864, No. 27.

3. Sir Hope Grant, in the letter above alluded to, required that sufficient men should be left for duty, to give them four out of five nights in bed, I am now desired to state that the restriction should have specified seven out of nine, instead of four out of five nights in bed.

4. When the men are employed on Public Works in their own Garrison, there seems to be no reason why they should not take their regular tours of Guard duty, as was the case in Bangalore. Vide Proceedings of Government, 20th December 1861, No. 4702.

5. With regard to the formation of Camps in the vicinity of works too distant for the Troops to be marched to them daily from their Quarters, the Commander-in-Chief will offer no objection to this, subject to the restriction mentioned in paragraph 3 above. But this may involve the necessity for Officers being sent with them, and such Officers will of course be entitled to Batta while so employed in Camp. Medical attendance will also have to be provided according to the number of Troops engaged on the work.

6. On referring to my letter to Government, dated 26th June 1863, No. 479, it will be seen that the Native Troops generally in India had then more than four nights out of five in bed. But since that date four Corps have been reduced; and the annual relief of Regiments being about to take place, it is not likely that Troops in any number will be available for Government employ on Public works until the reliefs have been carried out, and even then at but few Stations, except under the Provisions of the 4th paragraph of this letter.

7. Officers Commanding Divisions have been called upon to furnish information as to the number of men that could be spared from the different Garrisons under their Command for employment in the neighbourhood requiring them to be moved into Camp, and the result shall be communicated to Government in due course. In the meantime, if the Department Public Works will come forward with a definite proposition in regard to any particular work to be done, it can at once be disposed of, by reference to the Officer Commanding the Garrison in which the Troops proposed to be employed thereon are quartered.

ORDER, No. 2956, 26th August 1864.

Ordered that the last four of the papers above recorded, be communicated to the Public Works Department.

19th September.

(True Extract.)

Alamittinoy
Deputy Secretary to Government.

To the Public Works Department. *With 204*
 „ Adjutant General.
 „ Controller of Military Accounts.
 „ Quarter Master Genl., with two enclosures.
 „ Military Accountant.
 „ Examiner Pay Department.

Exd. R. Stephenson.

119 Aufg. hinges. 1) Doctr. 19^{te} September

on paper relative to
 the employment of
 soldiers of the active
 Army upon the re-
 construction of the
 1863.
 2710-1728/63

On 1864 De Mo
 1728/63
 No. 11 Post in
 the City De Mo
 2956
 1728/63

172

45A
 Public Works Department
 No. 2710
 Proceedings of the Madras Government
 Under date the 17th Sept 1864.
 Read the following

From the Sup^r Engineer 1st Div

Reporting on the employment
 of soldiers of the Native Army
 on Public Works.

H.E. 5th August/64 N^o 733

From	30	2 nd Div	10 th	58
From	30	3 rd Div	9 th	79
From	30	4 th Div	18 th July	1519
From	30	5 th Div	30 th June	489
From	30	6 th Div	4 th August	989
From	30	7 th Div	2 nd	72
From	30	8 th Div	14 th	126

Pro. of Post in the City Sept 26th Aug/64 N^o 2956.

Para 2 of the foregoing Pro.
 of Govt in the Military Dept.
 will be communicated to the Sup^r
 Engineers for information & guidance.
 The reports from the Sup^r
 Engrs recorded above will be referred
 to the Military Dept for con-
 sideration, in connection with the
 further orders to be framed in that
 Dept on receipt of the Commu-
 nication forwarded by the Adjutant
 General.

To the Military Dept
 Sup^r Engrs.
 Dated 19th September.

Sept 1 1864. De the
Geo. of Govt. and Mr

202710

of no. of the all good

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201888/64

Reports/relations to
the employment of persons
of the native. string
upon the execution of
State works.

190750. 383