MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

Read again Extract Minutes Consultation, Military Department, dated 23rd November 1858 and recorded in Diary to Consultation, 18th January 1859. No. 3108.

,, Extract Minutes Consultation, dated 11th February 1859, Public Works Department, No. 370.

,, Extract Minutes Consultation, Military Department, dated 23rd February and recorded in Diary to Consultation, 8th March 1859, No. 478.

No. 135. Read also the following letter from Colonel C. E. FABER, Chief Engineer; to J. D. BOURDILLON, Esq., Secretary to Government, dated 3rd March 1859, No. 8318.

SIR,

Copies of letters from the District Engineer, Godavery, No. 359 of 17th February 1859, with one enclosure.

I have the honor to forward for the information of Government, a transcript of a letter from the District Engineer of the Godavery Division, No. 359, of the 17th February 1859, enclosing the accompanying copy of a letter he had addressed to the Commandant of Engineers, and reporting that in consequence of his understanding the orders of Government, conveyed in Extract Minutes of Consultation of the 12th January 1859, No. 117, to empower him to take immediate measures, for the transport of Military and Commissariat Stores, towards Hyderabad and Nagpore, by water, he thought it necessary to proceed up the River at once, and that he had placed Captain Stoddard in charge of the Division during his absence.

2. Believing that Captain Rundall, under a misapprehension of the orders referred to, has too hastily, though with very laudable energy, undertaken the conduct of experimental operations which Government intended to entrust entirely to another Department, and to be carried out with the utmost caution, I solicit the favor of early instructions for my guidance, and for orders, whether I am at liberty to comply with any requisitions that may be received through the Commandant of Engineers, upon the Stores and Machinery, belonging to this Department, and now in the Arsenal.

3. The duties so zealously assumed by Captain Rundall, are evidently of a character fully to occupy the whole time and attention of any one person, as he clearly admits in para. 5 of his letter to Colonel Cotton, wherein he states that the carrying out satisfactorily of the operations he has taken in hand, will require his constant presence up the River, and I would therefore ask the particular attention of Government to the circumstance, as it appears to me, that notwithstanding the suspension of all large operations in the Deltas, the withdrawal of the District Engineer from his more immediate and important duties cannot but be inconvenient, and may be prejudicial.

Letter from Captain F. H. RUNDALL, District Engineer, Godavery Division; to Colonel C. E. FABER, Chief Engineer, dated Camp Dowlaiswaram, 17th February 1859, No. 359.

SIR,

Since my last Telegram to you, I have received the Extract Minutes Consultation of the 12th Ultimo, ordering the conveyance of Stores by the Godavery. As this will necessitate my being employed upon the River, and consequent absence from the District, I have the honor to inform you that I have, subject to your approval, directed Captain Stoddard to transact the ordinary correspondence and current business of the Division. I beg also to forward you, a copy of my letter to the Commandant of Engineers, on the subject of the proposed Godavery Transit.

Letter from Captain F. H. RUNDALL, District Engineer, Godavery Division; to Colonel A. T. COTTON, Commandant of Engineers, dated Camp at Dowlaiswaram, 17th February 1859, No. 363.

SIR,

With reference to Extract Minutes Consultation, 23rd November last, and 12th January 1859, received by me from the Chief Engineer, Department Public Works, this day, directing that the experiments of conveying Stores by the River Godavery, be carried out in communication with yourself, I have the

Nos. 4269 and 117.

honor to inform you, that I am prepared to commence at once organizing a system of River Transit, but for that purpose request you will be good enough to obtain for me information on the following points.

1st. The quantity and nature of the Stores to be conveyed during the next 12 months.

2nd. Whether *Troops* are likely to be moved, and if so, whether European or Native, or both.

3rd. The destination of the Troops and Stores.

4th. The probable time of despatch from Madras to Cocanada.

5th. The time at which the Stores will require to be delivered at the respective localities.

6th. The Actual cost of Transit inclusive of all charges paid during the past year and the amount of Goods carried.

7th. The amount which will be placed at my disposal as an *advance* for preparing the means of conveyance.

8th. The *total* amount which I shall be entitled to draw.

9th. Whether Guards will be furnished with the Stores, and if so, whether for the whole distance, or only for such portions as are conveyed by land.

10th Whether any Commissariat Officer will accompany the Stores or be stationed at the several termini of the River carriage.

11th. Whether the arrangement for conveyance, the whole distance will be entrusted to me or simply that of the River distance.

2. The 3 last points I require to know in order to provide for the safe delivery of the Stores at their respective destinations, as also for the satisfaction of the Contractor for the land carriage.

3. I would here beg to state that a proposal has been made to me by a gentleman, connected with the firm of Messrs. Levingston & Co. in Calcutta, to Contract for the conveyance of the Stores from any point on the River to their respective ultimate destination, on the understanding that the Boats are allowed to take back the Produce, Cotton, Seeds, &c., his firm are now purchasing in the valley of the Godavery. The advantage of this arrangement will be immediately apparent to you as affording at once a *certain* system of Transit, and also of diminishing the cost of conveyance of the Stores by providing valuable Return Freight for the Boats. I would therefore suggest the propriety of the whole matter being left in my hands, as I shall then be at liberty to take advantage of all contingencies and effect the arrangements most advantageous, without being fettered by the independent operations of another Department.

4. The most important point for me to know, as soon as possible is, the *total* amount of money likely to be placed at my disposal, and the probable amount of Troops and Stores to be conveyed, as otherwise I shall be unable to determine beforehand the extent to which the preparatory operations in the provision of Steamers and Boats may proceed. It will be also necessary for the Contractor to know in order that he may be ready with the requisite amount of carriage.

5. If as I gather from the Government Minutes, the matter is to be taken up in right earnest at once, it will be necessary for me to have the services of at least one Commissioned Officer placed at my disposal at once. The requisite Subordinates I could procure and charge their salaries to the cost of freight. To enter into the matter with most satisfaction to the Government and myself, I feel will be necessary for me to be constantly up the River, and therefore I shall like to leave an Officer in charge of the current work in Rajahmundry. If necessary I would use all endeavours to convey material at once as far as Buddrachellum, but I would submit for your consideration, the expediency of commencing the Transit with the first appearance of the Freshes, as I have not sufficient suitable Boats at present to commence a large Traffic, but by that time I hope I should have both Steamers and Boats ready to prosecute a steady and continuous system of Transit as well as have the land portion of it organized likewise.

6. Meanwhile I shall be carrying out the temporary works for removing the Shoals and shall have this seasons experience for a guide as to the best measures to be adopted next year. I propose organizing at once an Establishment on the River for the management of the Shoals for maintaining the temporary works constructed for their improvement, and thus hope to overcome these obstacles effectually.

7. In the event of Locks at Enchampilly having to be commenced at once, it would be necessary for me, I think, to have a 2nd Officer for their sole superintendence, as it will take one Officer's time to attend to the River itself. I beg to mention the name of Captain Arthur Stevens, of the 18th Regiment as likely to prove an useful Officer. As respects the means at present available, I beg to inform you that I have 2 Engines capable of being worked up to about 40 T. H. P. ready to be placed into Boats as soon as the latter have been constructed, also that I have written to England to Captain Haig, to send out immediately two suitable Boilers for them, and that meanwhile, I have two Boilers which will answer the purpose temporarily, though not of sufficient size to admit of the Engines being worked to their full power.

8. These Steamers will be placed above the 1st and 2nd barriers, while the "Arthur Cotton" will be kept for duty between Dowlaiswaram and Buddrachellum.

9. It will be necessary however to provide smaller steam Boats for the Officers *engaged on the river*, and also spare Vessels to put on the lines, when any of the regular ones may be disabled. For this purpose I shall feel obliged by your kindly obtaining from the Arsenal the following Engines and materials which I am informed it contains.

3 Portable Steam Engines with Boilers complete, 6 H. P. each, intended for Mills and general purposes.

3 do. do. do. 4 H. P. each. If you would also kindly see which are the best adapted for placing in Boats, also 12,000 square feet of $\frac{1}{4}$ inch sheet Iron and 12,000 square feet of $\frac{3}{16}$ and $\frac{1}{8}$ sheet Iron.

8,000 square feet of 16 Ounces sheating Copper.

20,000 $1\frac{1}{2}$ inch Copper Nails, for fastening the same on to the Boats.

All the angle and T Iron available in the Arsenal.

10 Tons of $\frac{1}{2}$ inch round Iron for rivets.

200 feet of from 6 to 7 inch diameter round Iron for axles.

500 feet of 3 inch round Iron for do. for waggons.

10. If you would kindly request the Officer in charge of the Arsenal to have the requisite Indents prepared in the prescribed form and transmitted to me, I will return them duly signed. Should you also hear or see of any Machinery available in Madras, which would be useful to the Workshop at Dowlaiswaram, may I request you will be good enough to procure and despatch the same, especially large planeing Machine, Plate Bending Machine, and if possible, revetting Machine.

11. I am about to start for Buddrachellum to-morrow to set the work agoing to the Locks at Doommagoodem, but shall be back in a fortnight, by which time I hope I may have your reply.

12. I beg to inform you that I have despatched a copy of this letter to the Chief Engineer in the D. P. W., as I am not certain whether my communication should not have been made through that Officer.

No. 136. ORDER THEREON, No. 675; dated 22nd March 1859.

On the 23rd November 1858 the Government ~~required~~ received, in the Military Department, two letters from Colonel A. T. Cotton, on the subject of the immediate use of the Godavery for the conveyance of Troops and Military Stores, together with a letter from the Adjutant General of the Army conveying the sentiments of His Excellency the Commander-in-Chief on the same subject. The Government fully recognized the importance of the question; and instructed the Commissary General and Inspector General of Ordnance to test the proposed plan of transit by

actual trial, provided it could be done at a cost not exceeding the present cost of transport, and without undue risk. They directed also that the experiment should be carried out in concert with Colonel Cotton and other authorities concerned. This order was communicated to the Public Works Department on the 18th December 1858, and to the Chief Engineer on the 12th January.

2. The orders in the Military Department of the 11th and 23rd February 1859 communicated further correspondence on the same subject, and Government learn by a letter from the Commissary General* that he has arranged to send up 333 tons of Shot and Shell to Nagpore by the way of the Godavery; stores of this description being selected because not liable to injury by water. Colonel McCally proposes that they shall be taken charge of at Cocanada by the Engineer of the Division, and landed by him at Mahadeopore to be conveyed thence by land to their ultimate destination.

* Letter to Mily. Dept. Feby. 11, 1859 para. 12.

3. The Chief Engineer now submits for orders a letter with enclosure from the District Engineer of the Godavery Division, on the same subject of the conveyance of Stores up the Godavery, and asks for instructions upon it. Captain Rundall has entered with vigor and energy on the work; he has already been up the Godavery as far as Budrachellum, for the purpose of ascertaining the state of the River and determining the arrangements necessary for carrying into effect the orders of Government, and he solicits instructions and information on various points connected with the undertaking. These points relate principally to the quantity, kind, and destination, of the Troops and Stores to be sent up, and the time and manner of sending them; the chief points are the quantity of goods to be sent, and the amount available for their conveyance.

Captain Rundall also details his intended plan of proceeding, which is briefly as follows:

1st. To place an Officer on the River to superintend the operations.

2nd. To organize establishments on the River, to carry on the Transit operations, and also to remove trifling obstacles to Navigation in the form of isolated rocks, and shoals.

3rd. To prepare the Steamers and Boats required for the conveyance.

He naturally wishes to know what quantity of Stores will be sent, and what funds he may reckon on; and his arrangements will of course depend on the answer.

4. The first batch of Stores as already noticed is to be 333 tons. The cost of this quantity from Masulipatam to Nagpore, according to information given to Colonel Cotton by the Commissariat Officer at Nagpore, would be 165* Rupees a ton, while the Deputy Commissary General at Madras stated it at 138 Rupees. The Commissary General states a lower sum; but this seems to be founded on the expectation that the return carts would be largely used by Merchants, which however does not appear to be the case. The Governor in Council believes that the present cost may be safely assumed to be as much as 120 Rupees; and at this rate the charge for 333 tons will be Rupees 39,960. This amount, therefore, will be available for the object now in view.

*See para. 2 of letter to Mily. Secy. in E. M. C., P. W. D., Feb. 11th 1859, No. 370.

From Commissary General February 11th 1859, para. 2, in E. M. C., P. W. D. 7th March 1859 No. 508.

5. The District Engineer needs an advance to enable him to provide the means of conveyance; and for this purpose the Government resolve to authorize him to draw the amount of the transport of 100 tons, or Rupees 12,000. With this sum he will proceed to make the necessary arrangements, viz. to provide Boats and apparatus, and make such small improvements in the bed of the River as may be in his power. He will also procure by this means the Stores needed from the Arsenal; which the Chief Engineer is hereby authorized to issue to him in the usual way on payment. A further advance will be authorized hereafter, when this first shall be exhausted, on Captain Rundall reporting his operations with the sum now placed at his disposal.

Paras. 9 and 10 of Cap. Rundall's letter to Colt. Cotton.

6. In para. 3 of his letter to Colonel Cotton,* Captain Rundall states that he has received a proposal from a member of the Firm of Messrs. Livingston and Co. of Calcutta, to contract for the transport of the Stores from the place on the River where they may be landed, to their ultimate destination, provided they (Messrs. Livingston and Co.) are allowed to bring their purchases of Cotton, &c. down the river in the Government Boats. The Government will leave Captain Rundall free to make arrangements with Messrs. Livingston for the land part of the journey; and they authorize him also to convey their goods down the River by the return Boats, at such fair rate of hire as he may agree on with them. This accommodation will doubtless make it practicable for them to take the Stores up by land at a lower rate than they otherwise could do.

* Enclosure in his letter of Feby. 17 to the Chief Engineer.

7. The only other matter on which it is necessary to pass an order, is the nomination of an Officer. One will be sufficient; as it will not be practicable under present circumstances, to begin a Lock at Enchampully.* Captain Rundall is anxious to have the services of Captain Arthur Stevens of the 18th Regiment N. I. now at Vellore, who is also considered by Colonel Cotton, to be well qualified for the duty, and is stated to be anxious to be employed in that way; and as His Excellency the Commander-in-Chief has in his place in Council signified his readiness to give the services of Captain Stevens for this important duty, Government resolve to detach that Officer from his present appointment, and to place him under the orders of Captain Rundall, for employment on the Godavery River, in carrying out the experiment herein authorized. Captain Steven's Staff salary while engaged under Captain Rundall's orders will be fixed at the rate allowed to a 4th Class Executive Officer in the Public Works Department, and will be paid out of the sum allowed for the transport of the Stores. He will also receive Travelling Allowance under the rules of the Public Works Department, to be paid from the same source.

* Para. 7 of Captain Rundall's letter.

8. The Government apprehend that little or nothing can be done for the next three months in the actual transport, for want of water; the interval will be employed therefore in making arrangements, and carrying on the small works in the River bed alluded to above in para. 2. As soon as the River rises in June, operations in the way of actual transport will be commenced in earnest. The experiment now authorized, it will be clearly understood, is that of conveying a certain quantity of Stores up the Godavery River in its present state. It is not intended that any work should be commenced in the River, beyond the trifling operations referred to in para. 3. The Lock at Enchampully is not to be undertaken, as already noticed. Captain Rundall will understand that he is restricted to the measures sanctioned in this order; and that if he goes beyond those, the responsibility of his proceedings will rest entirely with himself.

9. The District Engineer will keep Government informed of his operations under this order, and of their result. If the conveyance of the small quantity of Stores now to be sent is successfully accomplished, the Departments concerned (Commissariat and Ordnance) will transmit more Stores by this route.

10. The Governor in Council also authorizes the Collector to supply Salt to the District Engineer for conveyance up the Godavery to the full extent that his Stores may enable him to do so, on the same terms as were sanctioned in the order of Government of 23rd November 1858, No. 1566, R. D., viz. the Salt to be paid for after its sale by the District Engineer.

(Signed) J. D. BOURDILLON,
Secretary to Government.

No 363.

To,

Colonel J. F. Cotton

Commandant of Engineers

Sir,

No 4269 of 117

With reference to Extract Minutes Consultation 23rd November last and 12th January 1859 received by me from the Chief Engineer Department Public Works this day directing that the experiments of conveying Stores by the River Godavery be carried out in communication with yourself, I have the honor to inform you that I am prepared to commence at once arranging a system of River Transit, but for that purpose request you will be good enough to obtain, for me, information on the following points

1st The Quantity and nature of the Stores to be conveyed during the next 12 months.

2nd Whether Troops are likely to be moved and if so whether European or Native or both.

Ice

3rd The destination of the Troops and Stores.

4th The probable time of despatch from Madras to Cocanada.

5th The time at which the Stores will require to be delivered at the respective localities.

6th The actual cost of Transit inclusive of all charges paid during the past year and the amount of goods carried.

7th The amount which will be placed at my disposal as an advance for preparing the means of conveyance.

8th The Total amount which I shall be entitled to draw.

9th Whether guards will be furnished with the Stores, and if so whether for the whole distance or only for such portions as are conveyed by land.

10th Whether any Commissariat Officer will accompany the Stores or be stationed at the several Termini of the River Carriage.

11th Whether the arrangement for conveyance, the whole distance will be entrusted to me or simply that of the River distance.

2nd The 3 last points I require to know in order to provide for the safe delivery of the Stores at their respective destinations, as also for the satisfaction of the contractor for the land carriage.

3rd I would here beg to state that a proposal has been made to me by a gentleman, connected with the firm of Messrs Livingston & Co. in Calcutta to contract for the conveyance of the Stores from any point on the River to their respective ultimate destination, on the understanding that the boats are allowed to take back the produce, Cotton, seeds &c. his firm are now purchasing in the valley of the Godavery. The advantage of this arrangement will be immediately apparent to you as affording at once a certain system of Transit and also of diminishing the cost of the conveyance of the Stores by providing valuable Return Freight for the Boats. I would therefore suggest the propriety of the whole matter being left in my hands as I shall then be at liberty to take advantage of all contingencies and effect the arrangements most advantageous without being fettered by the independent operations of another Department.

4. The most important point for me to know, as soon as possible is, the total amount of

of money likely to be placed at my disposal —
and the probable amount of troops and Stores
to be conveyed, as otherwise I shall be unable
to determine beforehand the extent to which the
preparatory operations in the provision of Steamers
and Boats may proceed. It will be also necessa-
ry for the Contractor to know in order that he
may be ready with the requisite amount of
carriage.

5. What I gather from the Govern-
ment minutes the matter is to be taken up in
right earnest at once, it will be necessary for
me to have the services of at least one Commis-
sioned Officer placed at my disposal at once.
the requisite Subordinates I could procure —
and charge their salaries to the cost of freight.
To enter into the matter with the most satisfac-
tion to the Government and myself I feel —
will be necessary for me to be considerably up
the river, and therefore I should like to
leave an Officer in charge of the Cement

work in Rajahmundry. If necessary
I would use all endeavours to convey
Material at once as far as Muddrachellum
but I would submit for your consider-
ation the Jesirability of commencing
the transit with the first appearance
of the freshes, as I have not sufficient
suitable boats at present to com-
mence a large traffic, but by that
time I hope I should have both
Steamers and Boats ready to
prosecute a steady and continued
system of transit as well as have
the land portion of it organized
likewise.

6 Meanwhile I shall be carrying
out the temporary works for removing
the shoals and shall have the advan-
tage of experience for a guide as to the best
measures to be adopted next year. I
propose organizing at once an Establi-
shment on the river for the manage-
ment of the shoals for maintaining
the temporary works constructed for
their improvement, and thus hope to
overcome

overcome these obstacles effectually.
In the event of locks at
Dunkamsfield, Reading &c. being commenced
&c. &c. should the necessary for me
considered to have a 2d. Officer for their
sole superintendence as it will take
one Officer's time to attend to the
river itself. I beg to mention the name
of Captain Arthur Stevens of the
12th Regiment as likely to prove an
useful Officer. As respects the means
at present available, I beg to inform
you that I have 2 Engines capable
of being worked up to about 10 HP
ready to be placed into boats as
soon as the latter have been constructed,
& also that I have written to England
to Capt. Craig to send out immediately
two suitable boilers for them, and
that meanwhile I have two boilers
which will answer the purpose
temporarily, though not of sufficient
power as those of the Engines being
intended to work their full power.
3rd. Should the steamers will be placed
above the 1st & 2nd Cataracts, while the
Ashuan Cataract will be kept for

duty between Dongolawara and
Wadi Halfa.
Q. It will be necessary however
to provide smaller Steam Boats
for the Officers engaged on the river
and also spare Vessels to put on the
lines when any of the regular ones
may be disabled. For this purpose
I shall feel obliged by your kindly
obtaining from the Arsenal the
following Engines and Materials
which I am informed it contains.
3. Portable Steam Engines with
Boilers complete &c. 4 H.P each in-
tended for mills and general purposes.
3. — do — do — 4 H.P each. If con-
venient also Kindly see which are the
best adapted for placing in Boats.
also 12,000 Square feet of 1/4 in: Sheet
Iron and 12,000. do. of 3/16 & 1/8 Sheet Iron.
8,000 Square feet of 16 Ounces Sheathing
Copper.
20,000. 1 1/2 in. Copper Nails for fastening
the same on to the boats.
Also the angle and T iron available
in the Arsenal.
10 Tons of 1/2 do: round iron for rivets

200 feet of from 6 to 7 inch diameter
round iron for axles.
500 feet of 3 inch round iron for D°
for waggons.

10. If you would kindly request
the Officer in charge of the Arsenal
to have the requisite Students prepared
in the prescribed form and transmitted
to me, I will return them duly signed.
Should you also hear or see of any
Machinery available in Calcutta
which would be useful to the Workshops
at Dumdumwarand, may I request you
will be good enough to procure and
despatch the same, especially a
large planing Machine, Plate
Bending Machine and if possible
Punching Machine.

11. I am about to start for
Buddrachellum tomorrow to see the
work going on the Locks at Doomagordon,
but shall be back in a fortnight by
which time I hope I may have your
reply.

12 I beg to inform you that
I have despatched a Copy of this
letter

letter to the Chief Engineer in the D.H.
as I am not certain whether my
Communication should not have been
made through that Office.

Camp at Dumdumwarand
1st February 1859

I have the honor &c &c
(signed) J. A. Dugdale
Dy Engr G.C.

True Copy
(signed) J. L. Moncrieff Lt R.
Aidecamp Govr Genl Northern Provs

True Copy
Capt
Chief Engr
Dy Engr Circle

No 354.

From The District Engineer
Colorado Division.
To
The Chief Engineer
Washington.

Sir,

Since writing that telegram
to you, Mr. Mead received the Kind
Condescension of the Governor
the conveyance of whose
letter I enclosed to you
with the greatest Pleasure
regret whose absence from the District,
Never the Nor Nor to gain assistance
Never, Kindness to gain assistance
directed Colonel St Vrain to
Kansas Nor and Commissioners
and Engineers of the Division
Nebraska to proceed to Cache of Grey
Colt, to the Council Bluffs, Superintend on the
Nebraska for the purpose of Summary Frontier
Mr King Office
Camp Dry Cimarron
17 February 1859

Chas. Ellet Jr
Maj. Corps Engrs
Dist Col

1859 Dept

Copy on a Letter to Engd.
D/ 21st June 1859. No 293

Enclosure in a letter from
the Chief Engineer to
the Secretary of War
No 838 dated 3d March 59

C

P.R. 515/59

Copy of a letter from the
Dist Eng Colorado to
the Secd. Chief Engineer
on the subject of the pro-
posed Cochnewa Route.

2
22 March 59
No 695

1859 (Decemb

Copy in or Letter to Engd
Dy 21st June 1859 - No 23

Enclosure in a letter from
the Chief Engineer to
the Secretary to Govt
No 8318 dated 3d March/59

No
PW 515/59

Copy of a letter from
the District Engineer
Gibraltary Dt reporting
his having placed Capt
Hoddard in charge of
the Dt which he is em-
ployed on the River

the expenditure of £2,000
suggested by the Sec of State.

Capt Rundall appears
that the work - without
shewing what is proposed
done and what is to be
finished for Rangoon as
recommended.

Shew no objection to
the trial being made on
the conditions laid down

Some hesitation of getting
help till without Govt
knowing more what it
is to be about

If the trial is to be made
it shd be attempted on the
large - as it is the works
shd be commenced -

An answer has been
received from the Govt of
India - declining Sanction

Inv: of cons: Inv. 23/58. but
should it Capte K's plans
be incomplete may reference
be made to paragraphs enclosed -

The trial shd be made fairly
& justly - whether navigation
should be improved or
deepened can be carried on
by the main in this present
state -

It would perhaps also be
desirable to inquire - what
India - Harbours & Anchorages

23

means. such exemption
of Statutes have at
this disposal for em-
proving the stores by land
either to Kamptee or
Secundrabad -

H

All that was contemplated
was below - portion of the Hon
for Nagpore to be sent to Secunda
& Water & Rice to Badrachellam
& the rest from wh they were
to be forwarded

as usual & carried to Stafford
The Capt. represented the
bad weather & the inability
in part as the cause of his
& perhaps in part as Mr Ds
know if the locks were com
pleted - & the whole way
to be carried out & the sum
that he had agreed to
the national cause of the
Legislature.
Capt Randall has
quite recovered both the
arm & ankle (sprained some
days ago) & the river all
the way to Chenda.
He left he made clear & sunderland
the latter part of the September
was very & that the Canal

[illegible]

no

25
his & the dues as they now
with us were represented as
likely to cause a large saving
in expenses &

Work push as steadily
as possible - nothing can
be done - as the case
now is - we must
wait the issue - if it
could be otherwise - we
would - as at present
it appears likely that
we can do nothing
Mrd

be directed to take-

Will.

For my part I am right
well pleased that Capt Rundall
has so energetically & decidedly
determined to carry the
Steamer to Sea, & to convey Stores
this passage by the Ship Anna-
to be followed by the Ship Walker
in case [illegible] of Provisions
- Capt Rundall to have Instructions -
- He is also to take Water Casks
& the proper Stores should the
Ships not proceed direct to Natal.
Should any thing occur to alter
the above regard will be given
to Capt Rundall -

J. Pedder

Memo

It seems to the desire
of Govt that the operations
commenced by Capt Rundall
should go on. I therefore
beg to submit for consideration
the measures which seem to
me necessary to give effect to this wish.

It is proposed to despatch
with all convenient speed (not to
exceed) as many more Boats
as may be got ready, in case of
accident - and the Commy.
Genl. & Inspector Genl. of Ordnance
respectively to have received
from each 333 Tons this way.
Col. Lowe's Estimate that there
Stores should be under charge
of the Engr. Dept. connected with
the mines, from Cocoanuts to
Crowbars & other Stores
of Landing -

3. Capt. Rundall

Instructions
1st To place an Officer at
the mines to superintend

Letter from Comm.
Genl. to Govt - in Engr.
Dept. Feb 23 - Page 12

given hereafter, when this is ordered,
on Capt Randall ~~[illegible]~~ respecting
his operations with this enemy -

7. I presume first with
leave this free to make arrange-
ments with Engineer Livingston
for the land part of the journey;
& with authority also to employ
their proper boats, at most fair rates,
hire as he may agree on with them.
His recommendations with regard to
practicable for them to take the stores
by land as a lower rate than
they otherwise could do -

8. He only other matter on
which it seems necessary to speak
at present is the appointment of an
Officer. One will be required;
for it will not be practicable
to keep a Corps of Engineers.
Capt Randall is senior to Lieut
Capt Anthon stationed at the 18th
one of Quebec or Fort Ogilvie.
~~[illegible]~~ Col. Cotton Dr

P. 7 of Capt Vis
Letter -

every facility for the duty &
exercise to be enjoined in
that way - first with this
for to select him; and in
the event of his not writing
to us, or of his services not
being available, I suggest
that Lt Beckley of
the Engineer Corps be taken
from the charge of Kennard
may be sent to the Sorel
Dock - that Capt Randall
may be authorized to
send one of his Engineer
Officers up the river, Beckley
taking his place -

9. The Capt Steamer
is ordered to watch the
Lines and of the enemy
Lines for the transport of
the stores; & at the next
suggest, of a Lt
Col Dr. 7th -

10. I apprehend
that little or nothing
can be done for the next

three months in the actual
transport, for want of water;
the time will be employed in
making arrangements, &
carrying on the small works
in the mine and attended to
above in Para 3— as soon
as the mine was in pro-
per state may be com-
menced in earnest
the way of actual transport—

[signature]

Dundas 12.

Sir,

I am quite ready to sanction the proposals made
in this letter; but it will be absolutely necessary
that Captn Dundale be there — & I warn him — that
if he goes beyond — he must take the consequences —

The question about improving the navigation of the
river — whether partially or completely — have been settled
long ago — by this Govt. on the approximation — but they cannot
be carried out until funds are available & until Ships
of War —

The Government now is — carrying stones up the river in its
present state — & that shd be reduced to — of course some small
changes as will be necessary — but no work shd be commenced
without the knowledge of Govt — & this shd be strongly insisted on —
By the next ship of Capt Denne's services can be spared — I am quite
of opinion that a Capt Denne shd be employed —

I should say that the same proposal
Has address — with about little —
Towards the cooling Capt Denne to spend
what he can in this letter to the Jet
Mullick Dada — I send a copy to the Jem
Tele ud — as a memorandum, what is
the amount to be spent — would be
necessary to pursue of this case in
Sindh — when the river will be low
this day to —

[signature]

Public Works Dept

No 675

Extract from the Minutes of Consultation.

Under date the 22d March 1859.

Read again

Extract Min.ts Con.t Mily Dep.t dated 23.d Nov.r/58 and recorded in Dep.t to Con.t 18.th Jan.y/59 No 3108.

Ex Minutes Con.t dated 11.th February Pub Dept No 370

Ex Min.ts Con.t Mily Dep.t dated 23.d February and recorded in Dep.t to Con.t 8.th March/59 No 478.

Read as to the following letter from the Chief Engineer.

Fort William 3.d March 1859 No 8319

On the 23.d November 1858 the Government received in the Military Department two letters from Colonel F. T. Cotton, on the subject of the immediate use of the Godowery for the conveyance

of

LL

CG

MC

WH

Encl.e Number 114 to 117 & 121

of Troops and Military Stores, together with a letter from the Adjutant General of the Army conveying the sentiments of His Excellency the Commander in Chief on the same subject. The Government fully recognized the importance of the question; and instructed the Commissary General and Inspector General of Ordnance to test the proposed plan of transit by actual trials; provided it could be done at a cost not exceeding the present cost of transport, and without undue risk. They directed also that the experiment should be carried out in concert with Colonel Colton and other authorities concerned. The orders were communicated to the P.M.G. on the 8th Nov. by, and

to the Ch. Eng. on the 9th January.

2. The orders in the Military Department of the 11th and 23rd February 1859 communicated further correspondence on the same subject. and Govt. learn by a letter from the Commissary General* that he has arranged to send up 333 tons of shot and shell to Weg prove by the way of the Godaveri; stores of this description being selected because not liable to injury by water. Col. Mc Clatchy

* Letter to Mily. Dept. 9th Feby 1859. Para 12

& provided that they shall be taken charge of at Coconada by the Engineer of the Division, and handed

by

by him on Allahadersore
to be conveyed thence
by land to their ul-
timate destination.

2 The Chief Engi-
neer now submits
for orders a letter with
enclosure from the
District Engineer of
the Godavery Division,
on the same subject of
the conveyance of stores
up the Godavery, and
asks for instructions
upon it. Captain
Rundall has entered
with vigour and
energy on the work;
he has already been
up the Godavery
as far as Budrachellum
for

for the purpose of
ascertaining the
state of the river
and determining
the arrangements
necessary for carry-
-ing into effect the
orders of Govt, and
he solicits instruc-
-tions and informa-
-tion on various
points connected
with the under-
-taking. These
points relate prin-
-cipally to the
quantity, kind
and

and destination of the troops and stores to be sent up, and the time and manner of sending them; the chief points are the quantity of goods to be sent, and the amount available for their conveyance.

3d Captain Randall also details his intended plan of proceeding, which is briefly as follows:

1st To place an officer on the river to superintend the operations.

2d To organize establishments on the river, to carry on the transit operations, and also to remove existing obstacles to navigation in the form of isolated rocks and shoals.

3d To prepare the steamers and boats required for the conveyance.

He accordingly wishes to know what quantity of stores will be sent, and what funds he may arrangements reckon on; and his plans will depend on the amount of course be restricted by ~~estimates~~.

4 The first batch of stores as already noticed is to be 333 tons. The cost of this quantity from

to as ulipatam

Marine pertain to Bagpore,
according to information gi-
-ven to Colonel Cotton by
the Commissariat Officer at
Nagpore would be 165 Rs a ton.
while the Deputy Commissary
General at Madras stated
it at 138 Rupees. The Com-
missary General states a
lower sum; but this seems
to be founded on the
expectation that the return
carts would be largely
used by merchants, which
however does not appear to be
the case. The Governor in Coun-
cil believes that ~~the~~ may be
safely assumed to be ~~the~~
~~present cost~~ and at this
rate the charge for 333 tons
will be Rupees 39,960. This amount
will be available for the object
now in view.

5 The District Engineer
needs an advance to enable
him to provide the means of
conveyance; and for this purpose
the Government resolve to au-
-thorize him to draw the amount
of the transport of 100 tons, or
Rupees

See para 2 of Letter to Mil Secy
in C. in C. P.W.D. Febry 11th/59 No 371

From Commissary General
February 11th/59 Penal
in Ex: Minis: Mem: P.W.D
7th March/59 No 308

The present cost
not as much as 120 Rupees;

Therefore,

Para 9 & 10 of Capt Rundall's
letter to Coll. Cotton

Enclosure in his letter of Feby 17th to
the Chief Engineer.

Rupees 12,000, this sum he will
proceed to make the necessary
arrangements, viz to provide boats
and apparatus, and make such
small improvements in the
bed of the river as may be in his
power. He will also procure by this
means the stones needed from
the arsenal; which the Chief
Engineer is hereby authorized to issue
to him in the usual way on
payment. A further advance
will be authorized hereafter,
when this first shall be ex-
-hausted, on Captain Rundall
reporting his operations with
the sum now placed at his dis-
-posal.

6 In para 3 of his letter
to Colonel Cotton, Captain
Rundall states that he has
received a proposal from
a member of the firm of
Messrs Livingston & Co of Cal-
-cutta, to contract for the
transport of the stones from
the place on the river where
they may be landed, to
their ultimate destination,
provided they (Messrs Livingston
and

and (so) are allowed ~~the privilege~~ to bring out their purchases of cotton down the river in the Govt boats. The Government will leave Captain Rundall free to make arrangements with Messrs Livingston for the land part of the journey; and they authorize him also to convey their goods down the river by the return boats, at such fair rate of hire as he may agree on with them. This accommodation will doubtless make it practicable for them to take the stores up by land at a lower rate than they otherwise could do.

7 The only other matter on which it is necessary to pass an order, is the nomination of an officer. One will be sufficient, and it will be practicable under present circumstances, to begin a look at the campully. Captain Rundall is anxious to have the services of Captain Arthur Stevens of the 18th Regiment N.S now at Vellore, who is also considered by Colonel Cotton

* Vide 7 Capt. Rundalls letter

to be well qualified for the duty, and proposes to be employed in that way, and as His Excellency the Commander in Chief has in his place in Council signified his readiness to give the service of Captain Stevens for this important duty, Govt resolve to detach that Officer from his present appointment, and to place him under the orders of Captain Rundall, for employment on the Godavery River in carrying out the experiment herein authorized. Captain Stevens staff salary while engaged under Captain Rundall's orders will be fixed at the rate allowed to a 4th Class Executive Officer

Public works Dept,

Officer in the ~~Dept~~, and will be paid out of the ~~Imprest~~ allowed for the transport of the stores. He will also receive travelling allowance under the rules of the Public Works Department, to be paid from the same source.

8 The Government apprehend that little or nothing can be done for the next three months in the actual transport for want of water; the interval will be employed therefore in making arrangements, and carrying on the small works on the rivers bed alluded to above in Para 2. As soon as the river rises in June, operations in the way of actual transport will be commenced in earnest. The experiments now authorized, it will be clearly understood, is that of conveying a certain quantity of Stores up the Godavery river in its present state. It is not intended that any work should be commenced in the river, beyond the trifling operations referred to in Para 3. The lock at Enchampully is not to be undertaken, as already noticed. Captn Rundall will understand that he is restricted to the measures sanctioned in this order, and that if he goes beyond those, the responsibility

responsibility of his proceedings will rest entirely with himself.

9. The District Engineer will keep Govt informed of his operations under this order, and of their result. If the conveyance of the small quantity of stores now to be sent is successfully accomplished, ~~more will be sent~~ ~~able~~

the Departments concerned (Commissariat and Ordnance) will transmit more stores by this route

10 The Government Council also authorizes the Collector to supply salt to the District Engineer

Engineer for conveyance up the Godavery to the full extent that his stores may enable him to do so, on the same terms as were sanctioned in the order of Government of 23d November 1858 No 1886-R.D. viz the salt to be paid for after its sale by the District Engineer.

4 Copies
To the Chief Engineer &c &c &c
1 — Colt. A. T. Cotton &
District Engrs Rajahmundry division direct
to leave time Dist 22.
3 — Board of Revenue &
1 — Commissary General &
~~Com~~
4 — Inspector General of Ordnance &
7 — Mily Depts
1 — Accts Genl &

Encl. in my Letter to Engr
Dd 21st June 1859 No 23.

Public Works 1859 Dept.
Cons: 22d March.

No 675.

6

Extract Minute of Cons:
Dd 22d March 59.

Further Cons. 12th April 59 - Ltr - Secy
Exec. 11th May 1859. No 1130.
from the Commt. Genl. Dd 25th May
& Ct No 1345 in C. 10 June - 199 - 200 -

Passing orders on the
subject of the immediate use
of the Godavery for the conveyance
of Troops and Military Stores

The Chief Engr 3/4 Sks
1860 Cop 842 in Cases

No 135 & 136 -

17 March 1859