

Public Works (1890) Department.

RAILWAY BRANCH.

G.O., No. 1019 Ry.

DATED 16th July

[Despatch Abstract.]

Progress reports of Railway Surveys. — Resolution of the Govt of India forwarding instructions for the submission of monthly narrative — and of railways partly under survey and partly under construction, Communicated to the Consulting Engineer for Railways.

BACK PAPERS.

FURTHER PAPERS.

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

Enclosure No. 1 to Railway Circular No. 6 of 1890.

No. 71, dated Camp Sata, 14 miles South-South-West of Jeysalmir, the 14th February 1890.

From—The Engineer-in-Chief, Bikanir Desert Railway Survey,
To—The Director General of Railways.

1. I have the honour to report the following progress on the surveys for the month of January 1890.

2. *No. 1 Party, Delhi westwards*.—No. 1 Party under Mr. S. Brounger have reached mile 173, west of Delhi, having surveyed and levelled in detail during the month from 6 to 173 miles, equal to 111 miles, or at the mean rate of 3·6 miles daily. The route passed following towns: Surajgurh 94 mile, Chirawn 102, Bagur 110, Jhunjhun 117, Mundawa 134, Futehpur 146.

The spill waters of the Kautli Nala were crossed at 107 mile, and require approximately 1,500 lineal feet of water-way with 12 feet head-way. No sand hills basins have been crossed until the 168 mile: an improvement on last year's route which met them at mile 120.

3. *No. 2 Party from near Umarkot north-eastwards.*—No. 2 Party under Mr. L. Michel commenced the survey on 1st January at Sufi Fakir, 14 miles west of Umarkot. The progress up to 31st of January is 50 miles over a severely undulating country for 30 miles; following the valleys of the sand hills in a north-east direction. The Mungtor summit, 200 feet high, had to be reached at 20 mile before these valleys were entered. Mr. Michel's movements are greatly hampered by his having to lead out his water for 24 miles, and also to carry rations for nearly 100 men, as no large villages are met with for a length of 60 miles.

3. I was able to help his party by making arrangements with Mr. Watson, Assistant Commissioner of Umarkot, to whom my thanks are due.

4. Out of the 550 miles of survey it will be seen 223 miles have been completed, leaving a balance of 327 miles to carry out.

5. Plans and longitudinal sections have been plotted to within 15 miles of end of surveys of both parties.

Enclosure No. 2 to Railway Circular No. 6 of 1890.

Progress Report of the East Coast Railway Survey to end of January 1890.

Item No.	Divisions.	Length Miles.	Superior Staff employed on Division.			Progress of work.
1	Ellore Division, Bezwada to Samulcotta	...	Mr. Baxter	...	Executive Engineer ...	Line located and field work completed 58 miles. Line levelled 56 miles. Detail survey for 100 yards on each side of line 58 miles. Dagbelling completed and bench marks built 58 miles. Borings of Budamir river completed. Boring of Rambaira in progress.
			" Mason	...	Assistant "	
			" Taylor	...	" "	
2	Tuni Division, Samulcotta to Junction of Gopalapatam	89	Mr. Moore	...	Executive Engineer ...	40½ miles staked out and levelled from commencement.
	Cocanada Branch	8	" Bell	...	Assistant "	
			" Howard	...	" "	
3	Vizianagram, Vizagapatam to Thaleru	...	Mr. Gahan	...	Executive Engineer ...	22 miles staked out. 22 miles levelled. 22 miles surveyed. Started on 1st January.
			Lieutenant Waghorn, R.E.	...	Assistant "	
4	Chicacole Division, Thaleru to Ganjam	...	Mr. Oldham	...	Executive Engineer ...	60 miles located. 33 miles staked out. 25 miles surveyed and levelled.
			Lieutenant Kincaid, R.E.	...	Assistant "	
5	Chilka Lake Division, Ganjam to Cuttack	104	Mr. Clift	...	Executive Engineer ...	85 miles flagged. 60 miles jungle cleared. 30 miles set out and levelled.
			" Bewley.	...	Assistant "	
			" Montresor	...	" "	
			" Berkley	...	Temporary "	

WALFAIR;

15th February 1890.

(Sd.) F. B. WALKER,
Engineer-in-Chief, East Coast Railway.

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Enclosure No. 3 to Railway Circular No. 6 of 1890.

ALTERNATIVE FORM.

Progress report of the East Coast Railway Survey for March 1890.

Item No.	Division.	Length in miles.	Superior staff employed on Division.	Located.	Pegged.	Levelled.	Check Levelled.	Land plans.	Bench marks and lock sitting.	REMARKS.
1	Ellore Division— Bezvada to Samulcotta	* 112.2	Mr. Baxter, " Mason, " Tayler, " "	Executive Engineer... Assistant " " " " "	112.2	112.2	112.2	112.2	112.2	* Not including the Godavary River.
2	Tuni Division— Samulcotta to Junction of Gopalapatam 89 Cocanada Branch 8—	97	Mr. Moore, " Bell, " Howard,	Executive Engineer... Assistant " " " " "	97	94	94	96	94	
3	Vizianagram Division— Vizianagram to Thaleru ...	98	Mr. Gahan, Lt. Waghorn, R.E., Assistant	Executive Engineer... " " "	95	85.75	5.75	80	80	
4	Chicacole Division— Thaleru to Ganjam ...	93.75	Mr. Oldham, Lt. Kincaid, R.E., Assistant	Executive Engineer... Assistant " "	93.75	92.75	92.75	83	93.75	
5	Chilka Lake Division— Ganjam to Cuttack ...	105	Mr. Clift, " Bewley, " Montresor, " Berkley,	Executive Engineer... Assistant " " " " " Temporary " "	105	86	84	70	84	
	TOTAL	505.95		502.95	472.95	470.70	388.70	441.2	463.95	

Enclosure No. 4 to Railway Circular No. 6 of 1890.

MU VALLEY STATE RAILWAY.

Narrative Progress Report of work done to end of January 1890.

First Division—0 to 45 miles.

Staff.	Mr. Beeston	...	...	Executive Engineer.	
	" Berrill	...	...	Assistant	(Honorary).
	" Faulkner	...	...	Assistant	"
	Lieut. Scudamore	...	...	Assistant	"

SURVEY.

It was found on closer investigation that the preliminary survey of the Myohoung Branch was not in sufficient detail to locate the line by, and as much of the country was thickly studded with pagodas, is densely populated, and the high ground practically but a neck for a considerable portion of it, it became necessary to have a proper survey made. The want of staff much retarded the work, but it has now been finished, the line located, and the plans and sections are under preparation.

About three miles from Sagaing shore northwards had also to be realigned, to get a line suitable for the river traffic. This has been done, plans and sections completed, and work is in progress.

EARTHWORK.

Was started on 1st December 1889. From the Sagaing shore to Obo (about 3 miles) about half done; about 5 miles (that is to mile 7) beyond Obo practically finished; from mile 7 to 10, about one-sixth done; and work has been started in 19th mile; 26 miles jungle clearing and service road done.

STAFF QUARTERS.

Sagaing (Obo).—Quarters for an Assistant Engineer and Upper Subordinate finished; 4 officers' quarters in hand, timber being collected.

Padoo.—One Upper Subordinate's quarters in progress. All timber at site.

Pauktan.—An Assistant Engineer's quarters in progress. All timber at site.

Work has been considerably retarded for want of staff at the commencement.

LABOUR.

Burmans	...	...	...	...	...	1,200
Natives of India	...	...	...	...	...	1,000
						<u>2,200</u>

Second Division—miles 45 to 98.

Staff.	Mr. Deuchars	...	...	Executive Engineer.	
	" Chadwick	...	...	Assistant	
	" O'Neill	...	...	Assistant	(Honorary).

EARTHWORK.

About 36 miles of jungle cleared, and about 17 miles of service road made; but not continuous.

Earthwork in miles 73 to 74 and 80 to 81, half finished.

" " 51 to 52, 63 to 69 and 81 to 82, quarter finished.

" " 74 to 80, one-eighth finished.

" " 56 to 57 and 61 to 62, just started.

" " 57 to 61, 62 to 63 and 69 to 73, not started.

From mile 82 to end of division, under realignment; miles 45 to 56 (excluding 51 to 62) altered, and will have to be realigned.

STAFF QUARTERS.

Materials being collected.

LABOUR.

Burmans	...	...	...	...	...	4,000
Natives of India	...	...	...	...	...	600
						<u>4,600</u>

Third Division—miles 98 to 150.

Staff.	Mr. Newham	...	...	Executive Engineer.	
	" Strachey	...	...	Assistant	"
	" Despeissis	...	...	"	"
	" Roberts	...	...	"	"
	Lieut. Prentice	...	...	"	"

Work not yet commenced on this division, nearly the whole of which has been under re-alignment.

[General Distribution.]

Circular No. 6 Railway.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY CONSTRUCTION.

Simla, the 9th June 1890.

Monthly Narrative Progress Reports of Railway Surveys.

Read—

Public Works Department Circular No. 7 Railway, dated 5th April 1878.

Public Works Department Circular No. 40 Railway, dated 3rd December 1879.

RESOLUTION.—In the Circulars herein read instructions were given for the submission of monthly Narrative Progress Reports, in Form A, for State Railways under construction.

2. Similar Reports have, from time to time, been submitted for Railway Surveys, but these have in many instances been either much too diffuse or so condensed as to give little idea of the actual state of progress.

3. The Government of India accordingly desires that for Railways under reconnaissance or survey a narrative report, somewhat similar to the accompanying reports of the *Bikanir Desert Railway Survey, or of the †East Coast Railway Survey, may be submitted at the close of each month; and that for Railways partly under survey and partly under construction a monthly report somewhat similar to the enclosed report of the ‡Mu Valley State Railway should be furnished. The distribution of the Staff should in every case be shown.

* Vide enclosure No. 1.

† Vide enclosures Nos. 2 and 3.

‡ Vide enclosure No. 4.

ORDER.—Ordered, that this Resolution be communicated for information and guidance to the Local Governments and Administrations and Officers noted in* the margin.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma and Assam.
The Resident at Hyderabad.
The Agents to the Governor General for Central India, Rajputana, and Baluchistan.
The Accountant General, Public Works Department.
The Director General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division, and Lucknow.

MacKenzie

Major, R.E.,

Under Secretary.

Documents accompanying.

1. Progress Report of the Bikanir Desert Railway Survey.
2. Progress Report of the East Coast Railway Survey.
3. Progress Report of the East Coast Railway Survey, Alternative Form.
4. Progress Report of the Mu Valley State Railway Survey.

G. C. Press, Simla.—No. 32 P. W. D.—15-4-90.—1550.

To, The Joint Secretary to the Government of Madras,
(Railway Branch), Public Works Department

For,

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B. 1019 R 2 16 July 190.

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12/17/90
Communicated to

the Consulting Engineer for
Railways for information
and guidance in continuation
of Proceedings N. 354 R
dated 13th April 1878.

Ord 2-7-90
Enc 2
S.C. not recd

B. 1019 R 2 16 July 190.

For
9/7/90
L. J. A. R.

Genl Reports for favor
of file - 3-7-90 - S.C.

The circulars to be prepared
with that of 7/7/90
hired 7/7

S. Copies not yet come to
hand. S.P. 2-7-90

2 copies taken for only file

To
The Consy Engr for Rys

12/17/90
16/10/90
14/7/90
14/7/90

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