FROM

THE DIRECTOR GENERAL
OF RAILWAYS,

TO

Circular No. 3.

Dated Simla, July 18, 1887.

Received

INDIAN STATE RAILWAYS.

Statement shewing the rates for class F. State Railway Stores, "Station Materials and Fencing."

G. C. B. Press, Simla.—No. 101 P. W. D.—25-7-87.—1,500.

[*General Distribution.*]

Circular No. 3.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

To

THE DIRECTOR, NORTH-WESTERN RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-PISHIN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, BELLARY-KISTNA STATE RAILWAY.
THE ENGINEER-IN-CHIEF, CUDDAPAH-NELLORE STATE RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-SAGAR STATE RAILWAY.
THE ENGINEER-IN-CHIEF, TOUNGHOO-MANDALAY EXTENSION, BURMA STATE RAILWAY.
THE PORT STOREKEEPERS, STATE RAILWAY DEPARTMENT, CALCUTTA AND BOMBAY.

Simla, July 18, 1887.

SIR,

I have the honor to forward, for information and guidance, a printed statement shewing the rates *free on board* in England of F. Class State Railway Stores—" Station Materials and Fencing "—contracted for by the India Office from January to December 1885.

2. The percentage that should be allowed for the entire sea-freight has been quoted at the end of the statement, *vide* page 19 ; four-fifths of the same should be entered in indents as payable in England, when ordering stores.

3. The rates for landing State Railway Stores from vessels at the several ports in India are given in Director General of Railways' Circular No. 22, dated 16th December 1885.

4. The official rate of exchange during the financial year 1885-86 was 1*s.* $7\frac{1}{4}$*d.* per rupee.

5. In order to arrive at the total cost of materials landed at port, an insurance charge of one per cent. on the original cost plus entire sea freight, should be added, in addition to the other incidental charges mentioned in paragraphs 2 to 4.

I have the honor to be,
SIR,
Your most obedient Servant,

*Document accompanying.*
Rate list class F. " Station Materials and Fencing."

(Sd.) G. F. WILSON, Captain, R.E.,
*for* Director General.

---

The Secretaries to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, Public Works Department.
The Secretaries to the Chief Commissioners of the Central Provinces, Burma, Assam and Coorg, Public Works Department.
The Secretaries to the Residents, Hyderabad and Mysore, Public Works Department.
The Secretaries to the Agents to the Governor General, Rajputana, Central India, and Baluchistan, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director General of Telegraphs.
The Inspector General of Military Works.
The Superintendent of Works, Simla Imperial Circle.
The Accountant General, Public Works Department.
The Director, Persian Gulf Telegraph.
The Director, Persian Telegraph Department.
The Comptroller General.
The Accountant General, Bengal.
The Consulting Engineers for Railways, Madras and Bombay.
The Consulting Engineers to the Government of India for Guaranteed Railways, Calcutta and Lucknow.
The Consulting Engineer to the Government of India for Railways, Central Division, Agra.
The Agent and Chief Engineer, Bengal and North-Western Railway Company, Limited.
The Agent and General Manager, Assam Railways and Trading Company, Limited.

Copy forwarded to the Local Governments, Administrations and Officers marginally noted for information.

(Sd.) G. F. WILSON, Captain, R.E.,
*for* Director General.

No 2304 W dy 26th August/87

Communicated to officers concerned, and the copies of the rate list distributed as under.

Sales — Peach — 42
C. A — 5
Engr. P. W. A — 5
Office — 8
60

Asst Secy
W.

Sales
C. A.
Engr. P.W.A.

FROM

THE DIRECTOR GENERAL
OF RAILWAYS,

TO

Circular No. 3.

Dated Simla, July 18, 1887.

Received

No 2304 W dy 26th August/87

INDIAN STATE RAILWAYS.

Statement shewing the rates for class F. State Railway Stores, "Station Materials and Fencing."

G. C. B. Press, Simla.—No. 101 P. W. D.—25-7-87.—1,500.

With order

[*General Distribution.*]

Circular No. 3.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

To

THE DIRECTOR, NORTH-WESTERN RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-PISHIN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, BELLARY-KISTNA STATE RAILWAY.
THE ENGINEER-IN-CHIEF, CUDDAPAH-NELLORE STATE RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-SAGAR STATE RAILWAY.
THE ENGINEER-IN-CHIEF, TOUNGHOO-MANDALAY EXTENSION, BURMA STATE RAILWAY.
THE PORT STOREKEEPERS, STATE RAILWAY DEPARTMENT, CALCUTTA AND BOMBAY.

Simla, July 18, 1887.

SIR,

I have the honor to forward, for information and guidance, a printed statement shewing the rates *free on board* in England of F. Class State Railway Stores—" Station Materials and Fencing "—contracted for by the India Office from January to December 1885.

2. The percentage that should be allowed for the entire sea-freight has been quoted at the end of the statement, *vide* page 19 ; four-fifths of the same should be entered in indents as payable in England, when ordering stores.

3. The rates for landing State Railway Stores from vessels at the several ports in India are given in Director General of Railways' Circular No. 22, dated 16th December 1885.

4. The official rate of exchange during the financial year 1885-86 was 1*s.* $7\frac{1}{4}$*d.* per rupee.

5. In order to arrive at the total cost of materials landed at port, an insurance charge of one per cent. on the original cost plus entire sea freight, should be added, in addition to the other incidental charges mentioned in paragraphs 2 to 4.

I have the honor to be,
SIR,
Your most obedient Servant,

*Document accompanying.*
Rate list class F. " Station Materials and Fencing."

(Sd.) G. F. WILSON, Captain, R.E.,
*for* Director General.

---

The Secretaries to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, Public Works Department.
The Secretaries to the Chief Commissioners of the Central Provinces, Burma, Assam and Coorg, Public Works Department.
The Secretaries to the Residents, Hyderabad and Mysore, Public Works Department.
The Secretaries to the Agents to the Governor General, Rajputana, Central India, and Baluchistan, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director General of Telegraphs.
The Inspector General of Military Works.
The Superintendent of Works, Simla Imperial Circle.
The Accountant General, Public Works Department.
The Director, Persian Gulf Telegraph.
The Director, Persian Telegraph Department.
The Comptroller General.
The Accountant General, Bengal.
The Consulting Engineers for Railways, Madras and Bombay.
The Consulting Engineers to the Government of India for Guaranteed Railways, Calcutta and Lucknow.
The Consulting Engineer to the Government of India for Railways, Central Division, Agra.
The Agent and Chief Engineer, Bengal and North-Western Railway Company, Limited.
The Agent and General Manager, Assam Railways and Trading Company, Limited.

Copy forwarded to the Local Governments, Administrations and Officers marginally noted for information.

(Sd.) G. F. WILSON, Captain, R.E.,
*for* Director General.

FROM

THE DIRECTOR GENERAL
OF RAILWAYS,

TO

Circular No. 3.

Dated Simla, July 18, 1887.

Received

60.SC
PW 6527/87
with 60.SC: 62
PW 1527

PW 2304 W 4 26/8/87

12-Copies with Enclosure for Current Duplicate
25-8-87

INDIAN STATE RAILWAYS.

Statement shewing the rates for class F. State Railway Stores, "Station Materials and Fencing."

G. C. B. Press, Simla.—No. 101 P. W. D.—25-7-87.—1,500.

[*General Distribution.*]

Circular No. 3.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

To

THE DIRECTOR, NORTH-WESTERN RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-PISHIN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, BELLARY-KISTNA STATE RAILWAY.
THE ENGINEER-IN-CHIEF, CUDDAPAH-NELLORE STATE RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-SAGAR STATE RAILWAY.
THE ENGINEER-IN-CHIEF, TOUNGHOO-MANDALAY EXTENSION, BURMA STATE RAILWAY.
THE PORT STOREKEEPERS, STATE RAILWAY DEPARTMENT, CALCUTTA AND BOMBAY.

Simla, July 18, 1887.

SIR,

I have the honor to forward, for information and guidance, a printed statement shewing the rates *free on board* in England of F. Class State Railway Stores—" Station Materials and Fencing "—contracted for by the India Office from January to December 1885.

2. The percentage that should be allowed for the entire sea-freight has been quoted at the end of the statement, *vide* page 19 ; four-fifths of the same should be entered in indents as payable in England, when ordering stores.

3. The rates for landing State Railway Stores from vessels at the several ports in India are given in Director General of Railways' Circular No. 22, dated 16th December 1885.

4. The official rate of exchange during the financial year 1885-86 was *1s.* $7\frac{1}{4}d.$ per rupee.

5. In order to arrive at the total cost of materials landed at port, an insurance charge of one per cent. on the original cost plus entire sea freight, should be added, in addition to the other incidental charges mentioned in paragraphs 2 to 4.

I have the honor to be,
SIR,
Your most obedient Servant,

*Document accompanying.*
Rate list class F. " Station Materials and Fencing."

(Sd.) G. F. WILSON, Captain, R.E.,
*for* Director General.

---

The Secretaries to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, Public Works Department.
The Secretaries to the Chief Commissioners of the Central Provinces, Burma, Assam and Coorg, Public Works Department.
The Secretaries to the Residents, Hyderabad and Mysore, Public Works Department.
The Secretaries to the Agents to the Governor General, Rajputana, Central India, and Baluchistan, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director General of Telegraphs.
The Inspector General of Military Works.
The Superintendent of Works, Simla Imperial Circle.
The Accountant General, Public Works Department.
The Director, Persian Gulf Telegraph.
The Director, Persian Telegraph Department.
The Comptroller General.
The Accountant General, Bengal.
The Consulting Engineers for Railways, Madras and Bombay.
The Consulting Engineers to the Government of India for Guaranteed Railways, Calcutta and Lucknow.
The Consulting Engineer to the Government of India for Railways, Central Division, Agra.
The Agent and Chief Engineer, Bengal and North-Western Railway Company, Limited.
The Agent and General Manager, Assam Railways and Trading Company, Limited.

Copy forwarded to the Local Governments, Administrations and Officers marginally noted for information.

(Sd.) G. F. WILSON, Captain, R.E.,
*for* Director General.

FROM

THE DIRECTOR GENERAL
OF RAILWAYS,

TO

Circular No. 3.

Dated Simla, July 18, 1887.

Received

INDIAN STATE RAILWAYS.

Statement shewing the rates for class F. State Railway Stores, "Station Materials and Fencing."

G. C. B. Press, Simla.—No. 101 P. W. D.—25-7-87—1,500.

[*General Distribution.*]

Circular No. 3.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

To

THE DIRECTOR, NORTH-WESTERN RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-PISHIN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, BELLARY-KISTNA STATE RAILWAY.
THE ENGINEER-IN-CHIEF, CUDDAPAH-NELLORE STATE RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-SAGAR STATE RAILWAY.
THE ENGINEER-IN-CHIEF, TOUNGHOO-MANDALAY EXTENSION, BURMA STATE RAILWAY.
THE PORT STOREKEEPERS, STATE RAILWAY DEPARTMENT, CALCUTTA AND BOMBAY.

Simla, July 18, 1887.

SIR,

I have the honor to forward, for information and guidance, a printed statement shewing the rates *free on board* in England of F. Class State Railway Stores—"Station Materials and Fencing"—contracted for by the India Office from January to December 1885.

2. The percentage that should be allowed for the entire sea-freight has been quoted at the end of the statement, *vide* page 19; four-fifths of the same should be entered in indents as payable in England, when ordering stores.

3. The rates for landing State Railway Stores from vessels at the several ports in India are given in Director General of Railways' Circular No. 22, dated 16th December 1885.

4. The official rate of exchange during the financial year 1885-86 was 1*s.* $7\frac{1}{4}$*d.* per rupee.

5. In order to arrive at the total cost of materials landed at port, an insurance charge of one per cent. on the original cost plus entire sea freight, should be added, in addition to the other incidental charges mentioned in paragraphs 2 to 4.

I have the honor to be,
SIR,
Your most obedient Servant,

*Document accompanying.*
Rate list class F. "Station Materials and Fencing."

(Sd.) G. F. WILSON, Captain, R.E.,
*for* Director General.

---

The Secretaries to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, Public Works Department.
The Secretaries to the Chief Commissioners of the Central Provinces, Burma, Assam and Coorg, Public Works Department.
The Secretaries to the Residents, Hyderabad and Mysore, Public Works Department.
The Secretaries to the Agents to the Governor General, Rajputana, Central India, and Baluchistan, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director General of Telegraphs.
The Inspector General of Military Works.
The Superintendent of Works, Simla Imperial Circle.
The Accountant General, Public Works Department.
The Director, Persian Gulf Telegraph.
The Director, Persian Telegraph Department.
The Comptroller General.
The Accountant General, Bengal.
The Consulting Engineers for Railways, Madras and Bombay.
The Consulting Engineers to the Government of India for Guaranteed Railways, Calcutta and Lucknow.
The Consulting Engineer to the Government of India for Railways, Central Division, Agra.
The Agent and Chief Engineer, Bengal and North-Western Railway Company, Limited.
The Agent and General Manager, Assam Railways and Trading Company, Limited.

Copy forwarded to the Local Governments, Administrations and Officers marginally noted for information.

(Sd.) G. F. WILSON, Captain, R.E.,
*for* Director General.

Enclosure to Director General of Railways' Circular No. 14 of 1886.

# RATE LIST.

## CLASS B.
## ENGINEER'S PLANT (EXCLUDING PETTY TOOLS).

### FOR 1885.

Enclosure to Director General of Railways' Circular No. 14 of 1886.

# RATE LIST.

## CLASS B.

## ENGINEER'S PLANT (EXCLUDING PETTY TOOLS).

FOR 1885.

## INDIAN STATE RAILWAYS.

CLASS B.—ENGINEER'S PLANT (EXCLUDING PETTY TOOLS).

CLASS B.—ENGINEER'S PLANT (EXCLUDING PETTY TOOLS).

*Statement showing rates free on board in England of articles contracted for by the India Office from January to December 1885.*

| CONTRACT. No. B. | CONTRACT. Date. 1885. | No. of Indent. | For what Railway. | Article. | Details. | | | Quantity contracted for. | RATE f. o. b. IN ENGLAND AS PER CONTRACT. Amount. | RATE f. o. b. IN ENGLAND AS PER CONTRACT. Unit. | Gross weight. | ENTIRE SEA FREIGHT PER TON TO PORT. Rate. | ENTIRE SEA FREIGHT PER TON TO PORT. Port. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | £ s. d. | | Ton. Cwt. | S. | | |
| 127 | 21st September ... | 40 of '85 | Ferozepore Bridge Works | Apparatus, diving. | Complete with pumps *as per Appendix A* | | | Sets 2 | 96 0 0 | Set | | | | |
| | | | | | Spare India rubber dresses ... | | | No. 4 | 5 10 0 | Each | | | | |
| | | | | | Air hose without couplings (75′ each length)... | | | Lengths 6 | 7 1 6 | ,, | 2 10 | 25 | K. | |
| | | | | | India rubber wrist rings ... | | | No. 24 | 0 0 4 | ,, | | | | |
| | | | | | Maker's Nos. on pulley blocks. | Lifting capacity of blocks in tons. | Diameter of pulley and sheave. | | | | | | | |
| 122 | 4th June ... | 69 of '84 | Rajputana-Malwa ... | Blocks, differential, pulley (Weston's), —pulleys for— | 5956 | 3 | 13″ | 6 | 0 10 0 | Each | | | | |
| | | | | | 96477 | 3 | 13″ | 6 | | | | | | |
| | | | | | 125490 | 2 | 14″ | 1 | | | | | | |
| | | | | | 125488 | 2 | 14″ | 1 | | | | | | |
| | | | | | 46003 | 2 | 14″ | 1 | | | | | | |
| | | | | | 105906 | 2 | 14″ | 1 | | | | | | |
| | | | | | 125491 | 2 | 14″ | 1 | | | | | | |
| | | | | | 125492 | 2 | 14″ | 1 | | | | | | |
| | | | | | 125487 | 2 | 14″ | 1 | 0 9 0 | ,, | | | | |
| | | | | | No number | 2 | 14″ | 5 | | | | | | |
| | | | | | 2 / 96480 | 2 | 7½″ | 4 | | | | | | |
| | | | | | 3 / 96478 | 2 | 7½″ | 4 | | | 0 18 | ... | B. | Freight not known as no tonnage and freight account has been received from India Office. |
| | | | | | No number | 2 | 7½″ | 4 | | | | | | |
| | | | | | 96484 | 1½ | 7½″ | 6 | | | | | | |
| | | | | | G / 2079 | 1½ | 7½″ | 6 | 0 8 0 | ,, | | | | |
| | | | | | B / 4783 | 1 | 8″ | 2 | | | | | | |
| | | | | | B / 4786 | 1 | 8″ | 2 | | | | | | |
| | | | | | B / 4783 | 1 | 8″ | 2 | 0 4 0 | ,, | | | | |
| | | | | | B / 4784 | 1 | 8″ | 2 | | | | | | |
| | | | | | 34751 | 1 | 8″ | 2 | | | | | | |
| | | | | | 65285 | 1 | 7½″ | 2 | | | | | | |

*Statement showing rates free on board in England of articles contracted for by the India Office from January to December 1885*—contd.

| CONTRACT. No. B. | CONTRACT. Date. 1885. | No. of Indent. | For what Railway. | Article. | Details. | Quantity contracted for. | RATE f. o. b. IN ENGLAND AS PER CONTRACT. Amount. | RATE f. o. b. IN ENGLAND AS PER CONTRACT. Unit. | Gross weight. | ENTIRE SEA FREIGHT PER TON TO PORT. Rate. | ENTIRE SEA FREIGHT PER TON TO PORT. Port. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | £ s. d. | | Ton. Cwt. | S. D. | | |
| 120 | 17th September ... | 40 of '85 | Ferozepore Bridge Works | Engines, steam, portable. | Six H.P. without reversing gear to burn wood (India Office completion drawing No. B $\frac{160}{1-10}$) | 3 | 580 0 0 | Total | 19 10 | 20 0 | K. | |
| Do. | Ditto ... | Do. | Ditto ... | | Ten H.P. without reversing gear to burn wood (India Office completion drawing No. B $\frac{161}{1-8}$) | 4 | 1,030 0 0 | „ | 37 10 | 22 6 | K. | |
| 121 | 4th June ... | 16 of '85 | Wardha Coal ... | Engines, steam, fire boxes for— | Fire box, Lowmoor, wrought iron. for Clayton and Shuttleworth's portable engine No. 6260, 10-H. P. | 1 | 26 0 0 | Each | 1 2 | 13 0 | B. | |
| 131 | 15th October ... | 41 of '85 | Wardha Coal ... | | Fire box, Lowmoor, wrought iron for Robey engine No. 5875 of 12-H.P | 1 | 42 12 0 | „ | 1 12 | 17 6 | B. | |
| 116 | 13th January ... | 68 of '84 | Cawnpur-Kalpi ... | Hoists, steam. | Five ton, complete with steel boiler, wrought iron carriages, &c., (India Office completion drawing No. B $\frac{153}{1-7}$) | 6 | 325 0 0 | Each | 11 14 | 30 0 | C. | |
| | | | | | Boilers, spare (all steel) 4′ × 9′ and cylinders 9″ × 14″. | | 18 10 0 | Per hoist | | | | |
| 128 | 12th October ... | 39 of '85 | Indus Valley ... | Jacks, screw, traversing. | Ten ton ... ... ... ... | 12 | 3 6 6 | Each | 0 17 | 18 0 | K | |
| | | | | | Spare ratchets with levers complete for ditto | 21 | 0 15 0 | „ | | | | |
| 140 | 31st December ... | 75 of '85 | Ferozepore Bridge Works | | Fifteen ton, tested to 19 tons ... ... | 10 | 6 0 0 | Each | 1 8 | 12 0 | K | |
| 123 | 3rd July ... | 19 of '85 | Nagpur-Chhattisgarh ... | Jim crows. | With levers complete for 41¼ lbs. rails, steel, flat-footed. | 2 | 5 0 0 | Total | 0 5 | 18 0 | B | |
| 134 | 31st October ... | 45 of '85 | Nagpur-Chhattisgarh ... | | With levers complete for 41¼ lbs. rails, steel, flat-footed, weighing 96 lbs. each exclusive of the levers. | 2 | 5 15 0 | Total | 0 3 | 20 0 | B | |



*Statement showing rates free on board in England of articles contracted for by the India Office from January to December 1885*—contd.

| CONTRACT. No. B. | CONTRACT. Date. 1885. | Number of Indent. | For what Railway. | Article. | Details. | Quantity contracted for. | RATE f. o. b. IN ENGLAND AS PER CONTRACT. Amount. | RATE f. o. b. IN ENGLAND AS PER CONTRACT. Unit. | Gross Weight. | ENTIRE SEA FREIGHT PER TON TO PORT. Rate. | ENTIRE SEA FREIGHT PER TON TO PORT. Port. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | £ s. d. | | Ton Cwt. | S. D. | | |
| 135 | 9th November ... | 40 of '85 | Ferozepore Bridge Works | Mills, soorkee grinding. | Horizontal cornish crushing rollers, including cast iron bed plates. Each machine is fully capable of producing 50 cubic feet of powder per hour from half bricks. | 2 | 243 0 0 | Each | 10 13 | 18 0 | K | India Office completion drawing Nos. B $\frac{164}{1-5}$ and B $\frac{165}{1-4}$. |
| | | | | | Ditto supplied with elevator and screw to render them automatic. | 2 | 311 0 0 | „ | 14 0 | 20 0 | K | |
| G1008 | 30th March ... | 60 of '84 | Indus Valley ... | Oars | Ash, 16 feet long ... ... ... | 24 | 12 13 6 | Total ... | 0 13 | 15 0 | K | |
| | | | | | „ 14 „ „ ... ... ... | 6 | | | | | | |
| ... | ... ... | 77 of '85 | Bolan ... | Piping, wrought iron and materials for— | 4 inch, in 15 and 18 foot lengths ... ... | Lengths 4,084 = 71,505 feet. | 0 1 6 or 5,362 17 6 | Foot Total | 336 15 | 21 0 | K | No contract was let. These were supplied by the War Office. |
| | | | | | Flanges, wrought iron, with bolts and nuts ... | 25 pairs | 1 13 0 or 41 5 0 | Pair Total | | | | |
| | | | | | Brushes, tube, fibre, 4″ ... .. | 6 | 0 1 3 or 0 7 6 | Each Total | | | | |
| | | | | | „ „ steel „ ... ... | 6 | 0 3 3 or 0 19 6 | Each Total | | | | |
| | | | | | Gloves, plate layers ... ... ... | 30 pairs | 0 1 6 or 2 5 0 | Pair Total | | | | |
| | | | | | T clips ... ... ... ... | 10 | 0 11 6 or 5 15 0 | Each Total | | | | |
| | | | | | Reinforcing clips ... ... ... | No. 20 | 0 8 6 or 8 10 0 | Each Total | | | | |
| | | | | | Tongs, pipes 4″ ... ... ... | 6 pairs | 1 10 0 or 9 0 0 | Pair Total | | | | |
| | | | | | Air vessels, wrought iron, for 4″ pipes with flanges. | 2 | 4 4 7 or 8 9 2 | Each Total | | | | |
| | | | | | Cases ... ... ... | 6 | 0 5 0 or 1 10 0 | Each Total | | | | |
| | | | | | *Expenses at Woolwich in sorting out, packing, &c.* ... | ... | 41 17 0 | Total | | | | |
| | | | | | Total ... | ... | 5,482 15 8 | | | | | |

# INDIAN STATE RAILWAYS.



CLASS B.—ENGINEER'S PLANT (EXCLUDING PETTY TOOLS).

*Statement showing rates free on board in England of articles contracted for by the India Office from January to December 1885*—contd.

| Contract. No. B. | Contract. Date. 1885. | Number of Indent. | For what Railway. | Article. | Details. | Quantity contracted for. | Rate f. o. b. in England as per contract. Amount. | Rate f. o. b. in England as per contract. Unit. | Gross weight. | Entire sea freight per ton to Port. Rate. | Entire sea freight per ton to Port. Port. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | £ s. d. | | Ton Cwt. | S. D. | | |
| 133 | 27th October ... | 77 of '85 | Bolan ... | Piping, wrought iron, materials for— | Bends, 90° wrought iron ... .. | 25 | 0 11 8 | Each | 1 15 | 21 0 | K | These are required for use with the 4″ wrought iron piping supplied by the War Office. |
| | | | | | „ 120° „ „ ... ... | 70 | 0 11 8 | „ | | | | |
| | | | | | Tee pieces, wrought iron ... ... | 9 | 0 17 6 | „ | | | | |
| | | | | | Ditto ditto special ... ... | 2 | 1 8 0 | „ | | | | |
| | | | | | Caps, wrought iron for dead ends of piping ... | 20 | 0 9 6 | „ | | | | |
| | | | | | Sluice valves (taps) for 1,800 lbs. pressure with 2 flanges each, bolts, &c. | 9 | 8 5 0 | „ | 2 1 | 20 0 | K | |
| | | | | | Pet cocks ¼″ bore of gunmetal with screwed ends | 20 | 0 4 6 | „ | | | | |
| 136 | 20th November ... | 77 of '85 | Bolan ... | Piping, wrought iron, tools for— | Machines, hand power, combined pipecutting and screwing, from 2″ up to 4″ bore, suitable for fixing to a bench, with 2 sets of dies and cutters for each size of pipe for each of the above machines. | 2 | 125 0 0 | Total | 1 13 | 14 8 | K | |
| | | | | | Taps for recutting dies (one for each machine) | 2 | 26 0 0 | „ | | | | |
| | | | | | Taps for tapping or clearing the threads in the socket couplings. | 2 | 42 0 0 | „ | | | | |
| | | | | | Pipe vices ... ... ... | 2 | 4 0 0 | „ | | | | |
| | | | | | Taps suitable for tapping holes for pet cocks ¼″ bore | 2 | 0 4 6 | „ | | | | |
| | | | | | Dies ... ... ... ... | 4 Sets | 11 0 0 | „ | | | | From the Invoice of S. S. *Marlborough* which sailed on 11th January 1886. |
| | | | | | Special master taps and clearing taps ... | 2 of each | 24 10 0 | „ | | | | |
| | | | | | Duplicate cutters for the machines ... | 2 | 0 3 0 | „ | | | | |



# INDIAN STATE RAILWAY.

CLASS B.—ENGINEER'S PLANT (EXCLUDING PETTY TOOLS).

*Statement showing rates free on board in England of articles contracted for by the India Office from January to December 1885*—contd.

| Contract. No. B. | Contract. Date. 1885. | Number of Indent. | For what Railway. | Article. | Details. | Quantity contracted for. | Rate f. o. b. in England as per contract. Amount. | Rate f. o. b. in England as per contract. Unit. | Gross weight. | Entire sea freight per ton to Port. Rate. | Entire sea freight per ton to Port. Port. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | £ s. d. | | Ton. Cwt. | S. D. | | |
| 138 | 23rd December ... | 75 of '85 | Ferozepore Bridge Works | Press, rail-straightening. | For 62 lbs. flat-footed rails, complete with punching gear (India Office completion drawing No. B166.) | 1 | 26 0 0 | Each | 0 16 | 15 0 | K | |
| 126 | 17th September ... | 40 of '85 | Ferozepore Bridge Works | Pulsometers; boilers for— | With fittings complete for supplying steam to Pulsometers. The boilers to be 25-H. P. nominal each, of the locomotive type and mounted on wheels. Each boiler to be fitted with 100 lineal feet of strong wrought iron gaspiping of 2″ bore fitted with wrought iron flanges faced and drilled to template and fitted with bolts for connecting them. (India Office completion drawing No. B 163/1—4.) | 2 | 830 0 0 | Total | 28 7 | 70 0 | K | |
| 130 | 24th September ... | 77 of '85 | Bolan ... | Pumps, pressure, Worthington. | Complete with duplicates, boilers, &c., *as per Appendix B.* (India Office original drawing No. B 154.) | 2 | 841 12 0 | Total | 18 4 | 41 6 | K | |
| | | | | | | | | | 0 11 | 16 0 | K | Of the duplicate parts. |
| 118 | 7th March ... | 92 of '84 | Northern Bengal ... | Ramps. | For 41½ lbs. rails ... ... ... | | | | | | | |
| | | | | | 3 Right hand ... ... ... | 6 | 11 0 0 | Total | 1 5 | 12 0 | C | |
| | | | | | 3 Left hand ... .. ... | | | | | | | |
| 119 | 27th April ... | 100 of '84 | Tirhoot ... | | Carriage, *Russell's patent*, for 41½ lbs. rails ... | 12 | 7 0 0 | Per set of two. | 0 11 | 12 6 | C | Details not known. |
| 124 | 10th July ... | 19 of '85 | Nagpur-Chhattisgarh ... | | *Stroudley's*, crucible, cast steel, for 41½ lbs. rails ... ... ... ... | | | | | | | |
| | | | | | 4 Left ... .. ... | 8 | 14 15 0 | Total | 0 7 | 14 11 | B | |
| | | | | | 4 Right ... ... ... | | | | | | | |
| 125 | 21st July ... | 20 of '85 | Eastern Bengal ... | | Engine, *Russell's patent*, for 75 lbs. rails ... | 30 = 15 sets | 9 10 0 | Set | 4 2 | 22 6 | C | |
| 137 | 24th November ... | 60 of '35 | Naraingunge-Dacca-Mymensingh ... | | Carriage and wagon, ditto ... | 10 = 5 sets | 7 7 0 | „ | | | | |
| | | | | | *Russell's*, for 41½ lbs. rails ... ... | 20 | 7 0 0 | Pair | 0 18 | 15 0 | C | |

# INDIAN STATE RAILWAY.

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(concld.)

CLASS B.—ENGINEER'S PLANT (EXCLUDING PETTY TOOLS).

| Contract. No. B. | Contract. Date. 1885. | Number of Indent. | For what Railway. | Article. | Details. | Quantity contracted for. | Rate f. o. b. in England as per Contract. Amount. | Rate f. o. b. in England as per Contract. Unit. | Gross weight. | Entire sea freight per ton to Port. Rate. | Entire sea freight per ton to Port. Port. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 139 | 22nd December ... | Telegram dated 4th, December 1885. 1 of '86 | Cawnpore-Kalpi ... | Ropes wire. | Crucible, steel (flexible), each 5,000 feet long 2½ inch circumference. | 2 | £ s. d. 1 7 6 or 122 15 4 | Cwt. Total | Ton. Cwt. 4 10 | S. D. 25 0 | B. | |
| | | | | | Full details of the ropes are as follows :— No. of strands ... ... 6; No. of wires in each strand ... 19; Diameter of each wire ... ·051 inch; Breaking strain of ditto ... 325 lbs.; Extension of ditto in a length of 6 inches ·006 inch to ·012 inch; No. of twist per foot of strand ... 4; No. of twist per foot of finished rope 2½; Breaking strain of each strand ... 6,175 lbs.; Breaking strain of finished ropes 16½ tons.; Safe working load of ditto 3 ,,; Weight f r fathom of ditto 6 lbs.; Total weight of ditto 10,000 ,, | | | | | | | |
| 129 | 26th September ... | 40 of '85 ... | Ferozepore Bridge Works | Skips ... | 3′ × 3′ × 2′ complete for concrete ... | 6 | 7 2 6 | Each | 6 10 | 16 0 | K. | |
| 117 | 11th February ... | 47 of '84 ... | Wardha Coal ... | Ventilator, automatic, mine; spare parts of— | Recorder and Telltale (of W. H. Bailey and Company's make) for automatically recording variations in mine ventilation, the water gauge and the speed of the fan together with worm and wheel to connect it with the fan shaft. | 1 | 39 10 0 | ,, | 0 9 | 15 0 | B. | |
| | | | | | Spare water gauges (Daglish's patent) to be of Bailey and Company's make and indicator connections to the steam cylinders of the fan. | 12 | 18 5 0 | Total | | | | |
| 132 | 15th October ... | 40 of '85 ... | Ferozepore Bridge Works | Winches steam. | Five ton, with boilers and wrought-iron carriage complete. | 2 | 416 0 0 | Each | 25 15 | 17 3 | K | |
| | | | | | 300 feet lengths of chain each with hook and link. | 2 | 23 0 0 | ,, | | | | |
| | | | | | Swivel snatch blocks ... ... ... | 4 | 7 19 0 | ,, | | | | |

NOTE. B.—Bombay. C.—Calcutta. K.—Karachi. M.—Madras. R.—Rangoon.
For landing charges see Director General of Railway's Circular No. 22, dated 16th December 1885.

G. F. WILSON, Captain, R.E.,
*for* Director General.

C. G. P. Press, Simla.—No. 216 D. G. R.—2-12-86.—2,000.

Accompaniment to Director General of Railways' Circular No. 14 of 1886.

CLASS B—ENGINEER'S PLANT (EXCLUDING PETTY TOOLS).

## APPENDIX A.

*Estimate for diving apparatus complete for one diver.*

A three motion diving air pump with three large sized gunmetal cylinders, forged iron crank and two handles, copper cistern with apparatus to keep the cylinders cool, and an arrangement for examination of valves without removing the air pump from chest, the whole fitted in a strong wood chest, with iron caps to protect the crank ends.

1 fly wheel with wrought iron spokes.

Till fitted in interior of chest contains 3 spanners, 1 oil can, 1 screw driver, 2 double connecting union joints, spare valves and springs, and 6 spare helmet nut and screws.

1 strong wood helmet and seamen's chest containing 1 improved helmet with segmental screw to remove the head piece by one-eighth of a turn, strong plate glasses in brass frames, front one to unscrew, brass collar and screws with which the dress is fastened water tight, one outlet valve and one gunmetal inlet valve with regulating valve on head piece.

1 helmet cushion stuffed with horse hair.

1 helmet nut spunner.

100 feet of India rubber air pipe with gunmetal union joints.

2 waterproof diving dresses with vulcanized India rubber collars and cuffs.

12 vulcanized wrist bands.

4 guernsey frocks, 4 pairs drawers.

4 pairs stockings, 1 woollen cap.

1 pair overall stockings, 1 neckerchief.

1 canvas overall dress 90 feet signal line.

1 pair boots, lead soles, 2 lead weights.

1 knife in watertight case.

1 leather belt and gunmetal pipe holder.

1 can solution, 1 sheet prepared canvas.

1 spare brass screw frame for helmet.

2 spare glasses, 1 book of instruction complete.

Accompaniment to Director General of Railways' Circular No. 14 of 1886.

CLASS B—ENGINEER'S PLANT (EXCLUDING PETTY TOOLS).

## APPENDIX B.

| | £ | s. | d. |
|---|---|---|---|
| *Two Worthington "Pressure" pumps.* | | | |
| Each pump is to have two steam cylinders each 7½" diameter; two double acting externally packed water plungers each 4¼" diameter, all of 10" stroke (7½" × 4¼" × 10") and each capable of delivering 30,000 gallons in ten hours (50 gallons per minute) to a height of 400 feet through about 2½ miles of delivery pipe, the diameter of which shall not be less than 4" with an effective steam pressure of 85lbs. per square inch, and when running at a piston speed of about 40 feet per minute. | | | |
| Pumps to be supplied with the following extras, side pipes and strainers, suitable foot and check valves, vacuum chambers and charging pipes and connections. | | | |
| Two duplicate sets of working parts for the above, comprising spare pistons, plungers, rods, rings, cylinder covers, valves, seats, guards, springs, crossheads, links, levers, rock shafts, &c., &c. | | | |
| Two duplicate sets of side pipes and strainers, foot and check valves, charging pipes, &c., &c. | | | |
| Two 3 × 1½ × 3 Worthington boiler feeding pumps. | | | |
| Two sets of duplicate parts for the above. | | | |
| Two 16-H. P. Locomotive Multitubular boilers constructed for a working pressure of 120 to 140 lbs. to the square inch, mounted on wrought iron wheels and equipped with enlarged firebox for burning wood and refuse as fuel, firing tools, spanners, check valves and two 1½" gunmetal stop cocks to connect to pumps, in addition to stop valves on boilers also two Gresham and Craven's injectors with all connections complete. | | | |
| Two galvanised wrought iron tanks each 200 gallons. | | | |
| Copper pipes and bends for connecting check valves with rising mains of pumps with spare lengths to admit of position of pumps being slightly altered. Connections from boiler feed pump to banks for suction to boilers for delivery steam and exhaust connection for same. Injector connections to tank. A suitable length of 2" exhaust pipe and bends with a few spare connecting pieces, say 24 feet with sockets. All the above connections and fittings numbered to allow of their being ready re-put together. | | | |
| Packing for shipment. | | | |
| The whole of the above delivered free on board London for the sum of eight hundred and forty-one pounds twelve shillings nett | 841 | 12 | 0 |

*N.B.*—4" foot valves have been quoted by the contractors on the understanding that 4" suction pipe is to be used.

The boiler specified above will be manufactured by Messrs. Marshall Sons and Co. of Gainsborogh and thoroughly tested at their works.

The Secretaries to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, Public Works Department.
The Secretaries to the Chief Commissioners of the Central Provinces, Burma, Assam and Coorg, Public Works Department.
The Secretaries to the Residents, Hyderabad, and Mysore, Public Works Department.
The Secretaries to the Agents to the Governor General, Rajputana, Central India and Biluchistan, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director General of Telegraphs.
The Inspector General of Military Works.
The Superintendent of Works, Simla Imperial Circle.
The Accountant General, Public Works Department.
The Director-in-Chief, Indo-European Telegraph.
The Director, Persian Gulf Telegraph.
The Comptroller General.
The Accountant General, Bengal.
The Consulting Engineers for Railways, Madras and Bombay.
The Consulting Engineers to the Government of India for Guaranteed Railways, Calcutta, Agra and Lucknow.
The Agents and Chief Engineers, Bengal Central and Bengal and North-Western Railway Companies, Limited.
The Agent and General Manager, Assam Railways and Trading Company, Limited.

Copy forwarded to the Local Governments, Administrations, and Officers noted in the margin, for information.

G. F. WILSON, Captain, R.E.,
*for* Director General.

[ *General Distribution.* ]

Circular No. 14.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

TO

THE MANAGERS, NORTH-WESTERN AND EASTERN BENGAL STATE RAILWAYS.

THE ENGINEERS-IN-CHIEF, BELLARY-KISTNA, CUDDAPAH-NELLORE, NAGPUR-BENGAL, SIND-PISHIN, BOLAN AND SIND-SAGAR STATE RAILWAYS.

THE ENGINEER-IN-CHIEF, FEROZEPORE BRIDGE WORKS.

THE PORT STOREKEEPERS, STATE RAILWAY DEPARTMENT, CALCUTTA, BOMBAY, AND KARACHI.

Simla, November 29, 1886.

SIR,

I have the honor to forward, for information and guidance, a printed statement showing the rates free on board in England, the gross weight and the entire sea-freight per ton for B class State Railway Stores "Engineer's Plant (excluding Petty Tools)," contracted for by the India Office from January to December 1885.

2. The rates for landing State Railway Stores from vessels at the several ports in India are given in Director General of Railways' Circular No. 22, dated 16th December 1885.

3. The official rate of exchange during the financial year 1885-86 was 1*s.* $7\frac{1}{4}$*d.* per rupee.

4. In order to arrive at the total cost of materials landed at Port an Insurance charge of one per cent. on the original cost *plus* entire sea-freight should be added in addition to the other incidental charges.

5. In ordering stores, only $\frac{4}{5}$ths of the entire sea-freight should be entered in Indents as payable in England.

I have the honor to be,

SIR,

Your most obedient Servant,

G. F. WILSON, Captain, R.E.,

*for* Director General.

Document accompanying.
Rate List, Class B.—"Engineer's Plant (excluding Petty Tools)."

No 149 dated 18-1-87

Communicated to officers concerned, and the copies of the rate list distributed as under: —

Supdg. Engineers
12 copies each — 72
Supt. of Works — 5
Consg. Archt — 5
Chairman H.J. Bd — 5
Exr. P.W. Accts — 5
Office use — 8
100

(Sd) J.O.H.
W.

Supdg. Engrs.
Supt. of Works J.m. Scheme.
C.A. to Govt
Ch. H.J. Board
Exr. P.W. Accts.

From
THE DIRECTOR GENERAL
OF RAILWAYS,

To

Circular No. 14.

Dated Simla, November 29, 1886.

Received

B. No 149 dated 18-1-87

INDIAN STATE RAILWAYS.

Statement showing rates for B class State Railway Stores "Engineer's Plant (excluding Petty Tools)."

G. C. B. Press, Simla.—No. 365 D. G. R.—2-12-86.—2,000.

With order.

The Secretaries to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, Public Works Department.
The Secretaries to the Chief Commissioners of the Central Provinces, Burma, Assam and Coorg, Public Works Department.
The Secretaries to the Residents, Hyderabad, and Mysore, Public Works Department.
The Secretaries to the Agents to the Governor General, Rajputana, Central India and Biluchistan, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director General of Telegraphs.
The Inspector General of Military Works.
The Superintendent of Works, Simla Imperial Circle.
The Accountant General, Public Works Department.
The Director-in-Chief, Indo-European Telegraph.
The Director, Persian Gulf Telegraph.
The Comptroller General.
The Accountant General, Bengal.
The Consulting Engineers for Railways, Madras and Bombay.
The Consulting Engineers to the Government of India for Guaranteed Railways, Calcutta, Agra and Lucknow.
The Agents and Chief Engineers, Bengal Central and Bengal and North-Western Railway Companies, Limited.
The Agent and General Manager, Assam Railways and Trading Company, Limited.

Copy forwarded to the Local Governments, Administrations, and Officers noted in the margin, for information.

G. F. WILSON, Captain, R.E.,
*for* Director General.

B. No 149 W. 18.1.87.

No 2304 W of 26th August 87

B

Cond. to officers concerned, and the copies of the late list distributed as under.

Cond. to officers concerned, and the copies of the late list distributed as under.

Secs. 7 each — 42
E. D. — 7 each — 42
E. A. — — 5
Asst. P. W. A — 5
Asst. D. A. — 8
Office — 8
160

W.C.R. 20. S. 87

Secy 22/9/87

Secy
C. A. S.
Asst
Secy
Accts

Desd 29/8

Ch. 17. VIII 22.8.87

Reply to 15

No. 20. 8. 87. Rly. Bd.

PWC No. 652

(2)

FROM

THE DIRECTOR GENERAL
OF RAILWAYS,

To

60

12

Circular No. 3.

Dated Simla, July 18, 1887.

Received 19.8.87.

E-7

(+60.S.C)

No 2304 W of 26th August

INDIAN STATE RAILWAYS.

Statement shewing the rates for class F. State Railway Stores, "Station Materials and Fencing."

G. C. B. Press, Simla.—No. 101 P. W. D.—25-7-87.—1,500.

[*General Distribution.*]

Circular No. 3.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

To

THE DIRECTOR, NORTH-WESTERN RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-PISHIN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, BELLARY-KISTNA STATE RAILWAY.
THE ENGINEER-IN-CHIEF, CUDDAPAH-NELLORE STATE RAILWAY.
~~THE ENGINEER-IN-CHIEF, SIND-SAGAR STATE RAILWAY.~~
THE ENGINEER-IN-CHIEF, TOUNGHOO-MANDALAY EXTENSION, BURMA STATE RAILWAY.
THE PORT STOREKEEPERS, STATE RAILWAY DEPARTMENT, CALCUTTA AND BOMBAY.

Simla, July 18, 1887.

SIR,

I have the honor to forward, for information and guidance, a printed statement shewing the rates *free on board* in England of F. Class State Railway Stores—" Station Materials and Fencing "—contracted for by the India Office from January to December 1885.

2. The percentage that should be allowed for the entire sea-freight has been quoted at the end of the statement, *vide* page 19; four-fifths of the same should be entered in indents as payable in England, when ordering stores.

3. The rates for landing State Railway Stores from vessels at the several ports in India are given in Director General of Railways' Circular No. 22, dated 16th December 1885.

4. The official rate of exchange during the financial year 1885-86 was 1*s.* $7\frac{1}{4}$*d.* per rupee.

5. In order to arrive at the total cost of materials landed at port, an insurance charge of one per cent. on the original cost plus entire sea freight, should be added, in addition to the other incidental charges mentioned in paragraphs 2 to 4.

I have the honor to be,
SIR,
Your most obedient Servant,

*Document accompanying.*

Rate list class F. " Station Materials and Fencing."

(Sd.) G. F. WILSON, Captain, R.E.,
*for* Director General.

---

Copy forwarded to the Local Governments, Administrations and Officers marginally noted for information.

The Secretaries to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, Public Works Department.
The Secretaries to the Chief Commissioners of the Central Provinces, Burma, Assam and Coorg, Public Works Department.
The Secretaries to the Residents, Hyderabad and Mysore, Public Works Department.
The Secretaries to the Agents to the Governor General, Rajputana, Central India, and Baluchistan, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director General of Telegraphs.
The Inspector General of Military Works.
The Superintendent of Works, Simla Imperial Circle.
The Accountant General, Public Works Department.
The Director, Persian Gulf Telegraph.
The Director, Persian Telegraph Department.
The Comptroller General.
The Accountant General, Bengal.
The Consulting Engineers for Railways, Madras and Bombay.
The Consulting Engineers to the Government of India for Guaranteed Railways, Calcutta and Lucknow.
The Consulting Engineer to the Government of India for Railways, Central Division, Agra.
The Agent and Chief Engineer, Bengal and North-Western Railway Company, Limited.
The Agent and General Manager, Assam Railways and Trading Company, Limited.

G. F. Wilson

Captain, R.E.,
*for* Director General.

To The Secy. to the Govt of Madras P.W.D.

Dep. 8/c

Enclosure to Director General of Railways' Circular No. 3 of 1887.

# RATE LIST.

## CLASS F.

### STATION MATERIALS AND FENCING

FOR 1885.

Enclosure to Director General of Railways' Circular No. 3 of 1887.

# RATE LIST.

## CLASS F.

### STATION MATERIALS AND FENCING

FOR 1885.

Enclosure to Director General of Railways' Circular No. 3 of 1887.

# INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING. CLASS F—STATION MATERIALS AND FENCING.

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885.*

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 624 | 26th March 1885 ... | Indus Valley and Cuddapah-Nellore. | Apparatus, washing out. | For locomotive boilers, complete with hose and branch pipes. | Sets 16 | 12 | 10 | 0 | Set | 259 | 577 | |
| | 633 | 29th April 1885 ... | Rajputana-Malwa and Northern Bengal. | Clocks. | Station ... ... ... ... | No. 3 | 7 | 5 | 0 | Each | ... | ... | |
| | 647 | 10th July 1885 ... | Eastern Bengal ... | | Ditto, 8 day, 14″ dial, showing 24 hours ... | „ 12 | 7 | 10 | 0 | „ | ... | ... | |
| | 649 | 31st July 1885 ... | Northern Bengal ... | | Station ... ... ... ... | „ 5 | 7 | 5 | 0 | „ | ... | ... | |
| | 667 | 28th December 1885 ... | Sind-Sagar ... ... | | Ditto ... ... ... ... | „ 31 | 7 | 5 | 0 | „ | ... | ... | |
| | 633 | 29th April 1885 ... | Rajputana-Malwa and Northern Bengal. | Clocks, spare parts of | Dial glasses, white, bevel, for station clocks, $13\frac{3}{4}$″ diameter × $\frac{1}{4}$″. | No. 100 | 42 | 0 | 0 | Total | ... | ... | |
| | „ | Ditto ... | Ditto ... | | Dial glasses, white, bevel, for station clocks, $13\frac{3}{4}$″ diameter × $\frac{5}{16}$″. | „ 100 | 39 | 10 | 0 | „ | ... | ... | |
| | 627 | 13th April 1885 ... | Indus Valley, Cuddapah-Nellore, Rewari-Ferozepore, and Rajputana-Malwa. | Cranes, water, pillar. | 6″ with pipes and connections complete ... | No. 32 | 38 | 10 | 0 | Each | 265 | $\frac{570}{1-2}$ | |

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 668 | 31st December 1885 ... | Sind-Sagar ... | Cranes, water, pillar.—*concld.* | 6″, with valves, complete, with connections ... | No. 34 | 36 | 0 | 0 | Each | 265 | 594 1—2 | |
| | | | | | Each crane to have the following connections:— | | | | | | | | |
| | | | | | 2 bends, quadrant, flanged at both ends. | | | | | | | | |
| | | | | | One 6″ diameter 9′ 4″ length of piping, socket, jointed at one end and flanged at the other. | | | | | | | | |
| | | | | | One 6″ diameter 9′ 9″ length of piping, flanged and spigot at both ends. | | | | | | | | |
| | | | | | One 6″ diameter 9′ 0″ length of piping, flanged and spigot at both ends. | | | | | | | | |
| | | | | | One 6″ diameter 5′ 9″ length of piping, flanged and spigot at both ends. | | | | | | | | |
| | | | | | One 6″ diameter short piece for tank, flanged at both ends. | | | | | | | | |
| | | | | | The short piece of piping for tank to be 14″ long, the flange faced, holes drilled to template and fitted with twelve bolts for connecting them; the flanged piping to have the flanges faced, the holes drilled to template and to be fitted with bolts for connecting them. The spigots and sockets to be turned and bored. | | | | | | | | |
| | 627 | 13th April 1885 ... | Indus Valley and Rajputana-Malwa. | Cranes, water, pillar; spare parts of— | Spindles for 6″ cranes ... ... ... | No. 14 | 1 | 10 | 0 | Each | ... | ... | |
| | ,, | Ditto ... | Indus Valley ... | | T pieces, cast-iron, faucit and spigot, 6″ diameter, ⅜″ thick, 2′ 6″ long ... ... ... | ,, 13 | 8 | 10 | 0 | Total | ... | ... | |
| | ,, | Ditto ... | Ditto ... | | Valves 6″ ... ... ... | ,, 6 | 3 | 5 | 0 | Each | ... | ... | |



*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any.) Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 629 | 17th April 1885 ... | Cuddapah-Nellore ... | Engines, fire, manual. | Complete. With each engine the following appurtenances are also supplied: One long and one short copper branch pipe, four gun-metal jet pipes, one suction strainer, two hose wrenches, and one box spanner with shifting handle. | No. 6 | 124 | 16. | 0 | Each | *Nil* | 578 1—3 | |
| | 636 | 1st May 1885 ... | Cuddapah-Nellore ... | Engine, steam, pumping. | Six H. P., with boilers, double acting pumps, suction and delivery pipes and girders, for wells 18′ diameter. | No. 2 | 299 | 0 | 0 | Each | 180 to 186 | 582 1—12 | |
| | ,, | Ditto ... | Rewari-Ferozepore ... | | Six H. P., with boilers, double acting pumps, suction and delivery pipes and girders, for wells of ordinary diameter. | ,, 1 | 297 | 10 | 0 | ,, | Ditto | Ditto | As supplied on Contract F. 377. |
| | | | | | *General dimensions of the above engines.* | | | | | | | | |
| | | | | | Diameter of steam cylinder, 8 inches ... | | | | | | | | |
| | | | | | Length of stroke, 10 inches ... ... | | | | | | | | |
| | | | | | Diameter of boiler, 3 feet 2 inches ... ... | | | | | | | | |
| | | | | | Height of boiler, 7 feet ... ... | | | | | | | | |
| | | | | | Number of Galloway tubes in ditto, 2 ... | | | | | | | | |
| | | | | | Diameter of pump barrel, 6 inches ... ... | | | | | | | | |
| | | | | | Stroke of pumps (double acting) 12 inches changeable to 8 inches. | | | | | | | | |
| | | | | | Number of pumps (double acting) 2 ... | | | | | | | | |
| | 672 | 31st December 1885 ... | Sind-Sagar ... ... | Hydrants. | Cast-iron, with gun-metal caps and chains, complete. | No. 4 | 9 | 12 | 0 | Each | ... | 597 and photo | |
| | 638 | 8th May 1885 ... | Cawnpore-Achnera ... | Machine, ticket-counting. | ..... ..... ..... | No. 1 | 30 | 0 | 0 | Each | ... | ... | |

No fencing materials except anchoring screws (*vide* page 14) were obtained from England during 1885.

CLASS F—STATION MATERIALS AND FENCING.

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 638 | 8th May 1885 ... | Eastern Bengal and Cawnpore-Achnera. | Machine, ticket-printing. | With type complete ... | No. 3 | 131 | 15 | 0 | Each | ... | ... | |
| | 654 | 2nd September 1885 ... | Burma ... ... | Piping, cast-iron, and connections for— | 3″ diameter, in 9′ lengths, $\frac{3}{8}$″ thick, spigot and socket. | L. feet 1,530 = Tons cwt. qrs. lbs. =9 7 0 24 | 4 | 2 | 3 | Ton | ... | ... | Entire sea-freight @ 30*s.* per ton. |
| | | | | | Bends for ditto ... ... ... | No. Cwt. qr. lbs. 6 = 2 0 18 | 0 | 3 | 0 | Each | ... | ... | |
| | | | | | T junctions for ditto ... ... ... | 4 = 2 0 18 | 0 | 4 | 6 | „ | ... | ... | |
| | 635 | 27th April 1885 ... | Cuddapah-Nellore ... | | 5″ bore, in 9′ lengths, spigot and faucit | L. feet 5,000 = Tons cwt. qr. lbs. =57 5 1 23 | 4 | 0 | 0 | Ton | ... | ... | Entire sea-freight @ 35*s.* per ton. |
| | | | | | Right angle bends and T pieces for ditto ... | 1 10 0 4 | 8 | 0 | 0 | „ | ... | ... | |
| | „ | Ditto ... | Ditto ... | | 6″ bore, in 9′ lengths, spigot and faucit | L. feet 600 = Tons. cwt. qr. lbs. =8 10 0 0 | 4 | 0 | 0 | „ | ... | ... | |
| | | | | | Right angle bends and T pieces for ditto ... | 0 7 0 21 | 8 | 0 | 0 | „ | ... | ... | |
| | 654 | 2nd September 1885 ... | Burma ... ... | | 6″ diameter, in 9′ lengths, $\frac{5}{16}$″ thick, spigot and socket. | L. feet 5,040 = Tons. cwt. qrs. lbs. 76 16 3 14 | 3 | 19 | 3 | „ | ... | ... | Entire sea-freight @ 30*s.* per ton. |
| | | | | | Bends for ditto ... ... ... | No. 8= 9 2 14 | 0 | 9 | 6 | Each | ... | ... | |
| | | | | | T junctions for ditto ... ... ... | „ 4= 6 1 24 | 0 | 13 | 0 | „ | ... | ... | |
| | 671 | 31st December 1885 ... | Sind-Sagar ... ... | | 6″ diameter, in 9′ lengths, $\frac{1}{4}$″ thick, spigot and socket joints. | Tons 274 and No. 1778 = Tons 257-3-2-0 | 3 | 13 | 6 | Ton | ... | ... | |

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any.) Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | G 1187 | 23rd September 1885 ... | Indus Valley ... | Piping, gas, wrought-iron. | 1″ bore 10 B. W. G. thick, in 13 feet lengths ... | L. feet 1,000 | 0 | 0 | 2½ | L. foot | ... | ... | |
| | | | | | 1¼″ bore 8 B. W. G. thick, in 13 feet lengths ... | „ 180 | 0 | 0 | 3¼ | „ | ... | ... | |
| | | | | | 2½″ bore 5 B, W. G. thick, in 13 feet lengths ... | „ 480 | 0 | 0 | 10 | „ | ... | ... | |
| | Supplied by the War Office. | 14th and 31st Oct. 1885 | Bolan ... | Piping, wrought-iron; tools and connections for— | 4″ in 15′ and 18′ lengths ... ... | Lengths 4,084 = 71,505′. | 0 | 1 | 6 | Foot | ... | ... | The rates have been taken from the Invoices of S. S. *Henzada* and S. S. *Loodiana*, dated 14th November and 1st December 1885, respectively, for Karachi. |
| | | | | | Wrought-iron flanges with bolts and nuts ... | Pairs 25 | 1 | 13 | 0 | Pair | ... | ... | |
| | | | | | Fibre tube brushes, 4″ ... ... ... | No. 6 | 0 | 1 | 3 | Each | ... | ... | |
| | | | | | Steel ditto 4″ ... ... ... | „ 6 | 0 | 3 | 3 | „ | ... | ... | |
| | | | | | Platelayers' gloves ... ... ... | Pairs 30 | 0 | 1 | 6 | Pair | ... | ... | |
| | | | | | T. clips ... ... ... | No. 10 | 0 | 11 | 6 | Each | ... | ... | |
| | | | | | Reinforcing clips ... ... ... | „ 20 | 0 | 8 | 6 | „ | ... | ... | |
| | | | | | Pipe tongs, 4″ ... ... ... | Pairs 6 | 1 | 10 | 0 | Pair | ... | ... | |
| | | | | | W. I. air vessels for 4″ pipes with flanges ... | No. 2 | 4 | 4 | 7 | Each | ... | ... | |
| | | | | | Total cost ... | ... | 5,439 | 8 | 8 | ... | | | |
| | | | | | Cases ... | No. 6 | 1 | 10 | 0 | Total | | | |
| | | | | | Expenses at Woolwich in sorting out, packing, &c. | ... | 41 | 17 | 0 | „ | | | |
| | | | | | Grand Total ... | ... | 5,482 | 15 | 8 | ... | | | |

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | G. 1260 | 28th November 1885 ... | Eastern Bengal ... | Plates, wrought-iron, enamelled, mile-marks. | 12″ × 8″, white figures, 3½″ deep, numbered— | | | | | | | | |
| | | | | | 1 to 152 ... | No. 152 | | | | | | | |
| | | | | | 3 to 4 ... | „ 2 | | | | | | | |
| | | | | | 103 to 120 ... | „ 18 | 0 | 2 | 0 | Each | ... | ... | |
| | | | | | 108 to 112 ... | „ 5 | | | | | | | |
| | | | | | 1 to 38 ... | „ 38 | | | | | | | |
| | | | | | 11 to 28 ... | „ 18 | | | | | | | |
| | „ | Ditto ... | Ditto ... | | Screws, wood, brass, 3¾″, No. 8, for above ... | „ 1,025 | 0 | 12 | 6 | Total | ... | ... | |
| | „ | Ditto ... | Ditto ... | | Ditto 3½″, No. 22 „ ... | „ 520 | 3 | 0 | 0 | „ | ... | ... | |
| | 620 | 26th February 1885 ... | Tirhoot ... ... | Presses, dating. | Complete with type; to cut date ... ... | No. 10 | 23 | 12 | 6 | Total | ... | ... | |
| | 650 | 6th August 1885 ... | Northern Bengal ... | | Ditto ditto ... ... | „ 12 | 2 | 5 | 0 | Each | ... | ... | |
| | 652 | 15th August 1885 ... | Bhavnagar-Gondal ... | | Ditto to print date, with 12 pints of ink ... | „ 12 | 27 | 0 | 0 | Total | ... | ... | |
| | 658 | 30th September 1885 ... | Indus Valley ... | | Ink tape for ditto ... ... | Yards 50 | 0 | 0 | 2¼ | Yard | ... | ... | |
| | 657 | 24th September 1885 ... | Ferozepore Bridge Works | Pulsometer. | No. 10 size, to deliver 50,000 gallons per hour, steam pipe 2″. Each pulsometer to be supplied with 55 feet of 7″ delivery and 20 feet cast-iron suction piping, one non-return valve, one foot valve and one malleable iron bend. | No. 2 | 445 | 0 | 0 | Total | ... | ... | |
| | 623 | 26th March 1885 ... | Indus Valley ... | Pumps, hand. (Lift and force. | American, rotary, 2″ suction, No. 5 size, eachwith 27′ 2″ piping and strainer and check valve. | No. 3 | 25 | 0 | 0 | Total | ... | ... | |
| | 641 | 20th May 1885 ... | Cuddapah-Nellore ... | | Double cylinder, each pump is to be provided with 40 feet of 2¼ inch suction pipe, 15 feet of 2¼ inch delivery pipe, 3 wrought-iron elbows and 1 cup with screw for shaping bucket leathers and all necessary bolts and nuts required for the piping. | „ 5 | 28 | 7 | 6 | Each | 468/1-4 | 571/1-4 | |
| | 648 | 14th July 1885 ... | Nagpur-Chhattisgarh ... | | Double cylinder, with 60 lineal feet of suction pipe, 200 lineal feet of delivery pipe, four bend pipes, and 150 lineal feet wrought-iron pipe with flanged ends 2½″ outside and 2¼″ inside diameter. | „ 1 | 50 | 15 | 0 | „ | 468/1-4 | *Nil.* | |



*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or Quantity contracted for. Number. | Weight. Tons. cwt. qrs. lbs. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | | | | | 1,176 lineal feet of 28 feet span roofing, over machine shop; materials for one span complete— | | | | | | | 568 & 569 | 591 & 592 | *Total cost of materials for one roof of 28 feet span complete.* |
| | | | | | *Galvanized wrought iron-work*, complete as follows:— | | | | | | | | | £ s. d. |
| | | | | | Corrugated sheets, 7′ 6″ × 2′ 6″ ... | 1,800 | 43 7 3 12 | 12 | 10 | 0 | Ton | ... | ... | Galvanized iron-work ... 892 1 7 |
| | | | | | Corrugated sheets, 7′ × 2′ 6″ ... | 136 | 3 1 0 22 | | | | | | | Ungalvanized iron-work ... 2,163 0 0 |
| | | | | | Ridge plates, 7′ 7″ long, curved to drawing. | 168 | 3 18 0 0 | 16 | 0 | 0 | „ | ... | ... | Glass ... 88 0 0 |
| | | | | | Flashing plates, 7′ 7″ long do. ... | 168 | 2 3 3 22 | | | | | | | 3,943 1 7 |
| | | | | | Wind bars, 21′ 6″ long × 1½″ × ¼″ ... | 336 | 4 2 2 0 | 11 | 0 | 0 | „ | ... | ... | Entire sea-freight to the port of Calcutta ... 383 6 0 |
| | | | | | Clips for sheeting ... | 7,200 | 2 5 0 0 | 14 | 0 | 0 | „ | ... | ... | 4,326 7 7 |
| | | | | | Ordinary gutters, 7′ long ... | 138 | 4 19 0 21 | | | | | | | |
| | | | | | Ordinary gutters, end lengths, 2′ 9″ long | 6 | 0 2 0 2 | | | | | | | |
| | | | | | Ordinary gutters, end lengths, 2′ 6″ long | 6 | 0 1 3 13 | | | | | | | |
| | | | | | Side gutters, 7′ long ... | 46 | 1 15 1 13 | | | | | | | |
| | 661 | 29th October 1885 ... | Eastern Bengal ... | Roofing, iron, in complete roof, for workshops. | Side gutters, at ends 2′ 9″ long ... | 2 | 0 0 2 23 | 16 | 0 | 0 | „ | ... | ... | |
| | | | | | Side gutters, at ends 2′ 6″ long ... | 2 | 0 0 2 17 | | | | | | | |
| | | | | | Covers for ordinary gutters ... | 144 | 0 3 2 25 | | | | | | | |
| | | | | | Covers for side gutters ... | 48 | 0 1 1 9 | | | | | | | |
| | | | | | Wood screws and washers for ridge plates | 1,120 | 0 3 0 0 | 25 | 0 | 0 | „ | ... | ... | |
| | | | | | Rivets and burrs for sheeting ... | 61,500 | 0 7 2 21 | | | | | | | |
| | | | | | Rivets, $\frac{5}{16}$″ diameter, for clips and wind bars. | 21,400 | 0 5 3 16 | | | | | | | |
| | | | | | Rivets, ¼″ diameter, for ridge and flashing | 16,900 | 0 2 3 1 | 20 | 0 | 0 | „ | ... | ... | |
| | | | | | Rivets for gutters ... | 4,600 | 0 0 3 0 | | | | | | | |
| | | | | | Rivet heads in gutters ... | 7,440 | 0 0 1 10 | | | | | | | |
| | | | | | Total galvanized work ... | ... | 67 3 3 3 | 892 | 1 | 7 | Total | | | |

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or Quantity contracted for. Number. | Number or Quantity contracted for. Weight. | Rate F. O. B. in England. Amount. | Unit. | India Office drawings (if any.) Original. F. | India Office drawings (if any.) Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | | | | Roofing, iron, in complete roof, for Workshops—*concluded.* | 1,176 lineal feet of 28 feet span roofing over machine shop; materials for one span complete—*concluded.* | | Tons. cwt. qrs. lbs. | £ s. d. | | 558 & 559 | 591 & 592 | |
| | | | | | *Ungalvanized iron-work*, complete as follows:— | | | | | | | |
| | | | | | Saw trusses ... | 168 | 55 19 0 0 | 11 15 0 | Ton | ... | ... | |
| | | | | | T. bars at bearings, supports and bearing plates. | ... | 6 19 3 15 | 11 15 0 | „ | ... | ... | |
| | | | | | Purlins and window bars ... | ... | 34 14 3 14 | 9 0 0 | „ | ... | ... | |
| | | | | | Rivet heads and spare rivets, say 5 per cent. on the above. | ... | 4 17 2 21 | 11 15 0 | „ | ... | ... | |
| | 663 | 12th November 1885 | Eastern Bengal ... | | Box girders with rivets ... | 36 | 68 9 0 3 | 10 5 0 | „ | ... | ... | |
| | | | | | Stiffening plates ... | 30 | | | | | | |
| | | | | | Rolled girders at sides, complete ... | 22 | 10 15 1 0 | 10 5 0 | „ | ... | ... | |
| | | | | | Columns complete ... | 30 | 20 10 3 8 | 10 5 0 | „ | ... | ... | |
| | | | | | Bolts (exclusive of service bolts) ... | ... | 2 12 1 24 | 21 0 0 | „ | ... | ... | |
| | | | | | Cast-iron, in 22 brackets, 6 pipes, &c. ... | ... | 2 15 3 24 | 10 0 0 | „ | ... | ... | |
| | | | | | Service bolts and washers ... | ... | 0 12 0 0 | 21 0 0 | „ | ... | ... | |
| | | | | | Total ungalvanized iron-work ... | ... | 208 6 3 25 | 2,163 0 0 | Total | ... | ... | |
| | | | | | *Glass sheets.* | | | | | | | |
| | 665 | 8th December 1885 ... | Eastern Bengal ... | | 1′ 10½″ × 9″ × ⅛″ ... ... | 3,190 | ... | 88 0 0 | Total | ... | ... | Rought fluted plates. |



*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or Quantity contracted for. Number. | Number or Quantity contracted for. Weight. | Rate F. O. B. in England. Amount. | Unit. | India Office drawings (if any.) Original. F. | India Office drawings (if any.) Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | | | | Roofing, iron; galvanized and cast-iron work for— | *476 lineal feet of saw roofing, 28 feet span, over the fitting-shop, boiler-shop, machine-shop, and engine-shop*— | | Tons. cwt. qrs. lbs. | £ s. d. | | | | |
| | | | | | Galvanized, wrought-iron, corrugated sheets, 7′ 6″ × 2′ 6″. | 820 | 19 15 1 12 | 12 17 6 | Ton | 535 & 536 | 575 & 576 | For trusses, girders, columns and other ungalvanized work required, *vide* Contract F 616, included in Rate List, Class F, Station Materials for 1884 (Director General of Railways' Circular No. 13, dated 23rd October 1885). |
| | | | | | Galvanized, wrought-iron, corrugated sheets, 4′ 6″ × 2′ 6″. | 124 | 1 15 3 26 | | | | | |
| | | | | | Ridge plates, 7′ 7″ long, No 13, curved to drawing. | 73 | 1 13 3 16 | 22 7 6 | „ | ... | ... | |
| | | | | | Flashing plates, 7′ 7″ long, No. 14, curved to drawing. | 73 | 0 19 0 11 | | | | | |
| | | | | | Wind bars, 21′ 6″ long × 1½″ × ¼″ ... | 160 | 1 19 1 4 | 12 17 6 | „ | ... | ... | |
| | | | | | Sheet clips ... | 4,100 | 1 5 2 14 | 28 7 6 | „ | ... | ... | |
| | | | | | Guttering, 7′ long ... | lengths 72 | 2 16 3 8 | 22 7 6 | „ | ... | ... | Eight of these are to be fitted as end lengths. |
| | 617 | 7th January 1885 ... | Cawnpore-Achnera ... | | Flashing, 7′ 7″ long, No. 15, for gutters beside wall. | 42 | 0 12 0 21 | | | | | |
| | | | | | Down pipe, 12′ long × 3″ internal diameter. | 46 | 1 0 2 4 | 22 7 6 | „ | ... | ... | |
| | | | | | Wire guards for down pipes ... | 23 | 0 0 0 14 | | | | | |
| | | | | | Clips for securing down pipes to girders | 4 | 0 0 0 12 | | | | | |
| | | | | | Clips for securing down pipes to columns and walls. | 66 | 0 1 0 13 | 28 7 6 | „ | ... | ... | |
| | | | | | Wood screws, 4″ × ½″, and washers ½″, for ridge plates. | 470 | 0 1 1 1 | | | | | |
| | | | | | Rivets and burrs ... | 38,000 | 0 12 0 16 | | | | | |
| | | | | | Bolts for down pipes, flanges and clips... | 166 | 0 0 1 14 | 28 7 6 | „ | ... | ... | |
| | | | | | Spikes for fastening pipe clips to walls | 120 | 0 0 1 20 | | | | | |
| | | | | | Carried over ... | | 32 14 1 10 | | | | | |

CLASS F—STATION MATERIALS AND FENCING.

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or Quantity contracted for. Number. | Weight. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | | | | Roofing, iron; galvanized and cast-iron work for— | *476 lineal feet of saw roofing 28, feet span, over the fitting shop, &c.*—(concluded.) | | Tons. cwt. qrs. lbs. | | | | | | | |
| | | | | | Brought forward ... | | 32 14 1 10 | | | | | | | |
| | | | | | Cast-iron pipes, bends ... | 48 | 0 11 1 23 | 15 | 7 | 6 | Ton | ... | ... | |
| | | | | | Cast-iron pipes, straight lengths ... | 2 | 0 0 1 22 | | | | | | | |
| | | | | | Total cost ... | ... | 33 6 0 27 | 534 | 10 | 7 | | ... | ... | As per Invoices of S. S. *Victoria* and S. S. *Sherborne* sailing from England on 10th June and 1st August 1885, respectively, for Bombay. |
| | | | | | *330 lineal feet of saw roofing, 40 feet span, over the iron and brass foundry, wheel, and spring shop and smithy*— | | | | | | | | | |
| | | | | | Galvanized, wrought-iron, corrugated sheets, 7′ 6″ × 2′ 6″. | 624 | No. 8 2 12 | | | | | | | |
| | | | | | Galvanized, wrought-iron, corrugated sheets, 7′ × 2′ 6″. | 192 | 4 5 3 18 | 12 | 17 | 6 | Ton | 532 &533 | 572 & 573 | For trusses, girders, columns and other ungalvanized work required, *vide* Contract F616, included in Rate List, Class F, Station Materials for 1884 (Director General of Railways, Circular No. 13, dated 23rd October 1885). |
| | 617 | 7th January 1885 ... | Cawnpore-Achnera ... | | Galvanized, wrought-iron, corrugated sheets, 3′ 9″ × 2′ 6″. | 96 | 1 3 0 21 | | | | | | | |
| | | | | | Galvanized, wrought-iron, corrugated iron sheets, 3′ 4″ × 2′ 6.″ | 96 | 1 1 0 0 | | | | | | | |
| | | | | | Ridge plates, 7′ 11″ long × ⅛″, curved to drawing. | 50 | 1 5 1 18 | 22 | 7 | 6 | ,, | ... | ... | |
| | | | | | Flashing plates, No. 3, 7′ 11″ long × 10″ × ⅛″, curved to drawing. | 50 | 0 15 0 19 | | | | | | | |
| | | | | | Wind bars, 21′ 6″ × 1½″ × ¼″ ... | 164 | 2 0 1 25 | 12 | 17 | 6 | ,, | ... | ... | |
| | | | | | Clips for sheeting ... ... | 3,850 | 1 3 2 9 | 28 | 7 | 6 | ,, | ... | ... | |
| | | | | | Guttering, 7′ 4″ long × 2′ 3½″ × ⅛″ ... | lengths 34 | 1 7 1 8 | 22 | 7 | 6 | ,, | ... | ... | Four of these are to be fitted as end lengths. |
| | | | | | Down pipe, 12′ long × 3″internal diameter. | 26 | 0 12 3 21 | 22 | 7 | 6 | ,, | ... | ... | |
| | | | | | Wire guards for down pipes ... | 13 | 0 0 0 8 | 22 | 7 | 6 | ,, | ... | ... | |
| | | | | | Carried over ... | | 29 3 2 19 | | | | | | | |





CLASS F—STATION MATERIALS AND FENCING.

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or Quantity contracted for. Number. | Weight. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | | | | Roofing, iron; galvanized and cast-iron work for— | *330 lineal feet of saw roofing, 40 feet span, over the iron and brass foundry, &c.*—(concluded.) | | Tons cwt. qrs. lbs. | | | | | | | |
| | | | | | Brought forward ... | | 29 3 2 19 | | | | | | | |
| | | | | | Clips for securing down pipe to girders .. | 16 | 0 1 0 4 | 28 | 7 | 6 | Ton | ... | ... | |
| | | | | | Clips for securing down pipes to columns and walls. | 36 | | | | | | | | |
| | | | | | Wood screws and washers for ridge plates. | 460 | 0 1 0 26 | | | | | | | |
| | | | | | Rivets and burrs ... ... | 38,000 | 0 10 2 7 | | | | | | | |
| | | | | | Bolts for down pipe flanges and clips ... | 134 | 0 0 1 6 | 28 | 7 | 6 | ,, | ... | ... | |
| | | | | | Spikes for fastening pipe clips to wall... | 26 | 0 0 0 11 | | | | | | | |
| | | | | | Cast-iron pipes, bends ... ... | 32 | 0 7 1 2 | 15 | 7 | 6 | ,, | ... | ... | |
| | | | | | Cast-iron pipes, straight lengths ... | 8 | 0 1 3 5 | | | | | | | |
| | | | | | Total cost ... | ... | 30 5 3 24 | 458 | 3 | 6 | | ... | ... | As per Invoices of S. S. *California* and S. S. *Sherborne* sailing from England on 17th May and 1st August 1885, respectively, for Bombay. |
| | | | | | *462 lineal feet of saw roofing, 40 feet span, over the carriage shop, paint shop, and store shed*— | | | | | | | | | |
| | 617 | 7th January 1885 ... | Cawnpore-Achnera ... | | Galvanized, wrought-iron, corrugated sheets, 7′ 6″ × 2′ 6″. | 850 | 20 16 1 20 | | | | | | | |
| | | | | | Galvanized, wrought-iron, corrugated sheets, 7′ × 2′ 6″ | 260 | 5 16 2 15 | 12 | 17 | 6 | Ton | 532—533 | 572—573 | For trusses, girders, columns and other ungalvanized work required, *vide* Contract F. 616, included in Rate List, Class F, Station Materials and Fencing for 1884 (Director General of Railways' Circular No. 13, dated 23rd October 1885). |
| | | | | | Galvanized, wrought-iron, corrugated sheets, 3′ 9″ × 2′ 6″. | 132 | 1 11 3 23 | | | | | | | |
| | | | | | Galvanized, wrought-iron, corrugated sheets, 3′ 4″ × 2′ 6″ | 132 | 1 8 3 18 | | | | | | | |
| | | | | | Ridge plates, 7′ 11″ long × ⅛″ curved to drawing. | 67 | 1 14 0 6 | 22 | 7 | 6 | ,, | ... | ... | |
| | | | | | Flashing plates, No. 3, 7′ 11″ long × 10″ × ⅛″, curved to drawing. | 67 | 1 0 1 7 | | | | | | | |
| | | | | | Wind bars, 21′ 6″ long × 1½″ × ¼″ .. | 220 | 2 14 2 13 | 12 | 17 | 6 | ,, | ... | ... | |
| | | | | | Clips for sheeting ... ... | 5,250 | 1 12 3 7 | 28 | 7 | 6 | ,, | ... | ... | |
| | | | | | Guttering, 7′ 4″ long × 2′ 3½″ × ⅛″ ... | lengths 46 | 1 16 3 24 | 22 | 7 | 6 | ,, | ... | ... | Four of these are to be fitted as end lengths. |
| | | | | | Carried over ... | | 38 12 2 21 | | | | | | | |

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or Quantity contracted for. Number. | Weight. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | | | | | *462 lineal feet of saw roofing, 40 feet span, over the carriage shop, &c.*—(concluded). | | Tons. cwt. qrs. lbs. | | | | | | | |
| | | | | | Brought forward ... | | 38 12 2 21 | | | | | | | |
| | | | | | Down pipe 12′ long × 3″ internal diameter. | lengths 34 | 0 16 3 19 | 22 | 7 | 6 | Ton | ... | ... | |
| | | | | | Wire guards for down pipes ... | 17 | 0 0 0 10 | | | | | | | |
| | | | | | Clips for securing down pipes to girders | 24 | 0 1 1 21 | 28 | 7 | 6 | „ | ... | ... | |
| | 617 | 7th January 1885 ... | Cawnpore-Achnera ... | Roofing, iron; galvanized and cast-iron work for— | Clips for securing down pipes to columns and walls. | 48 | | | | | | | | |
| | | | | | Wood screws and washers for ridge plates | 640 | 0 1 2 24 | | | | | | | |
| | | | | | Rivets and burrs ... ... | 51,000 | 0 14 0 14 | 28 | 7 | 6 | „ | ... | ... | |
| | | | | | Bolts for down pipe flanges and clips ... | 190 | 0 0 1 20 | | | | | | | |
| | | | | | Spikes for fastening pipe clips to walls... | 26 | 0 0 0 11 | | | | | | | |
| | | | | | Cast-iron pipes, bends ... ... | 44 | 0 9 3 27 | 15 | 7 | 6 | „ | ... | ... | |
| | | | | | Cast-iron pipes, straight lengths ... | 12 | 0 2 2 22 | | | | | | | |
| | | | | | Total cost ... | | 41 0 0 21 | 620 | 11 | 3 | ... | ... | ... | As per Invoices of S.S. *California* and S. S. *Sherborne* sailing from England on 17th May 1885 and 1st August 1885, respectively, for Bombay. |
| | | | | | *140 lineal feet of pent roofing, 42 ft. clear span, over the erecting shop*— | | | | | | | | | |
| | | | | | Galvanized, wrought-iron, corrugated sheets, 7′ 4″ × 2′ 6″. | 490 | 11 13 0 24 | 12 | 17 | 6 | Ton | 534 | 574 | For trusses, girders, columns and other ungalvanized work required, *vide* Contract F 616, included in Rate List, Class F, Station Materials and Fencing for 1884 (Director General of Railways' Circular No, 13, dated 23rd October 1885). |
| | | | | | Ridge plates, 7′ 7″ long × 1′ 10″ × ⅛″, curved to drawing. | 22 | 0 14 1 11 | 22 | 7 | 6 | „ | ... | ... | |
| | 617 | 7th January 1885 ... | Nagpur-Chhattisgarh ... | | Wind bars, 21′ 6″ × 1½″ × ¼″ ... | 86 | 1 1 3 0 | 12 | 17 | 6 | „ | ... | ... | |
| | | | | | Sheet clips ... ... ... | 2,150 | 0 13 0 4 | 28 | 7 | 6 | „ | ... | ... | |
| | | | | | Rivets and burrs ... ... | 20,000 | 0 5 2 5 | 28 | 7 | 6 | „ | ... | ... | |
| | | | | | Total cost .. | ... | 14 7 3 16 | 206 | 11 | 0 | „ | ... | ... | As per Invoice of S.S. *Victoria* sailing from England on 10th June 1885. |





*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or Quantity contracted for. Number. | Weight. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original. F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | | | | | | | Tons. cwt. qrs. lbs. | | | | | | | |
| | | | | | Girders, counter shaft, 27′ 10″ long × 1′ 6″ deep. | 14 | 16 9 0 0 | 193 | 5 | 0 | Total | | | |
| | | | | | *Schedule of supposed quantities in one girder*— | | | | | | | | | |
| | | | | | Angle iron, 3″×3″×½″ (9·2 lbs. per foot) ... | ... | 0 9 2 3 | ... | ... | ... | ... | ... | ... | |
| | 619 | 26th February 1885... | Rajputana-Malwa ... | | Web plates, ⅜″ thick ... ... | ... | 0 7 0 4 | ... | ... | ... | ... | ... | ... | |
| | | | | | Flange bars, 7″ × ½″ ... ... | | 0 5 3 7 | ... | ... | ... | ... | ... | ... | |
| | | | | | | ... | 1 2 1 14 | | | | | ... | ... | |
| | | | | | Rivet heads, say 5 per cent. ... | ... | 0 1 0 14 | ... | ... | ... | ... | | | |
| | | | | | In one girder ... | | 1 3 2 0 | ... | .. | ... | ... | ... | ... | |
| | | | | | Glass sheets for 28′ span ... ... | 300 | ..... | 0 | 3 | 0 | Each | ... | ... | |
| | 640 | 14th May 1885 ... | Cawnpore-Achnera ... | Roofing, iron; spare parts of— | Ditto for 40′ span ... ... | 950 | ..... | 0 | 2 | 10 | „ | ... | ... | |
| | | | | | Louvre strips ... ... ... | 500 | ..... | 0 | 0 | 5 | „ | ... | ... | |
| | 617 | 7th January 1885 | Rajputana-Malwa and ... Indus Valley ... | | Rivets and burrs ... ... | 14,000 | 0 5 0 0 | 28 | 7 | 6 | Ton | ... | ... | |
| | | | | | Ditto ... ... ... | 28,000 | 0 10 0 0 | | | | | | | |
| | 617 | 7th January 1885 | Rajputana-Malwa ... | | Sheets, wrought-iron, corrugated, galvanized, 7′ 6″ × 2′ 6″. | 750 | 18 8 3 11 | | | | | | | |
| | | | Cawnpore-Kalpi ... | | Sheets, wrought-iron, corrugated, galvanized, 7′ 2″ × 2′ 6″. | 1,600 | 36 17 0 16 | | | | | | | |
| | | | | | Sheets, wrought-iron, corrugated, galvanized, 6′×2′ 6″, with corrugation 1¼″ deep. | 1,000 | 18 6 0 8 | 12 | 17 | 6 | „ | ... | ... | |
| | 617 | 7th January 1885 ... | Indus Valley ... | | Sheets, wrought-iron, corrugated, galvanized, 6′ × 2′ 6″, curved to a camber of 6″ and with corrugation 1¼″ deep. | 300 | 5 9 3 8 | | | | | | | |
| | 622 | 17th March 1885 ... | Wardha Coal ... | | Sheets, wrought-iron, corrugated, galvanized, 10′ × 2′ 6″ × 20 B. W. G. curved to a radius of 9′ 6″ to be corrugated to a pitch of 5″, from centre to centre of flutes. | 300 | 7 2 3 13 | 14 | 15 | 0 | „ | ... | ... | |
| | 617 | 7th January 1885 ... | Indus Valley ... | | Wind bars, 20′ ×1¼″ × 3/16″ ... | 50 | 0 8 2 8 | 12 | 17 | 6 | „ | ... | ... | |

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 1243 | 5th November 1885 ... | Nagpur-Chhattisgarh ... | Screws, Anchoring, Straining. | Galvanized, ¾″ diameter, 1′ 7½″ long ... | No. 32 | 1 | 4 | 0 | Cwt. ... | ... | ... | T. c. q. lbs. Net weight... 0 0 3 17 |
| | 626 | 26th March 1885 ... | Cuddapah-Nellore and Rajputana-Malwa. | Signals, Semaphore, Distant. | Complete, exclusive of posts ... ... | Sets 8 | 18 | 3 | 0 | Set ... | 404 / 1—6 and 404 / 9—10 | 500 / 1—11 | |
| | 626 | 26th March 1885 ... | Ditto ... | | Complete, exclusive of posts and lamps ... | „ 14 | 17 | 2 | 0 | „ ... | Ditto | Ditto | |
| | 645 | 14th July 1885 ... | Nagpur-Chhattisgarh ... | | Complete, exclusive of post ... ... | „ 1 | 18 | 3 | 0 | „ ... | ... | ... | |
| | 662 | 5th November 1885 ... | Nagpur-Chhattisgarh and Indus Valley. | | Complete, exclusive of posts and lamps ... | „ 24 | 17 | 2 | 0 | „ ... | *Nil* | 585 / 1—11 | |
| | 669 | 31st December 1885 ... | Sind-Sagar ... | | Complete, but without posts, lamps, spare glasses, and spare lenses. | „ 61 | 17 | 2 | 0 | „ ... | 404 / 1—6 and 404 / 9—10 | 595 / 1—11 | |
| | 626 | 26th March 1885 ... | Cuddapah-Nellore and Rajputana-Malwa. | Signals, Semaphore, Station. | Complete, exclusive of posts ... ... | Sets 4 | 6 | 1 | 0 | Set ... | 404 / 1—6 and 404 / 9—10 | 560 / 1—11 | |
| | 626 | 26th March 1885 ... | Ditto ... | | Complete, exclusive of posts and lamps ... | „ 7 | 4 | 18 | 0 | „ ... | Ditto | Ditto | |
| | 662 | 5th November 1885 ... | Nagpur-Chhattisgarh ... | | Complete, exclusive of posts and lamps ... | „ 6 | 4 | 18 | 0 | „ ... | *Nil* | 585 / 1—11 | |





*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 626 | 26th March 1885 ... | Cuddapah-Nellore and Rajputana-Malwa. | Signals, spare parts of— | Glasses for spectacles, large, 6″, red ... ... | No. 88 | 0 | 0 | 11 | Each | ... | ... | |
| | | | | | Ditto ditto green ... | „ 44 | 0 | 1 | 2 | „ | ... | ... | |
| | | | | | Ditto small, 2″, do ... | „ 44 | 0 | 0 | 5 | „ | ... | ... | |
| | | | | | Ditto large, red ... ... | „ 2 | 0 | 0 | 11 | „ | ... | ... | |
| | 645 | 14th July 1885 ... | Nagpur-Chhattisgarh | | Ditto small, green ... ... | „ 2 | 0 | 0 | 5 | „ | ... | ... | |
| | 662 | 5th November 1885 ... | | | Ditto large, red ... ... | „ 24 | 0 | 0 | 11 | „ | ... | ... | |
| | | | | | Ditto small, green ... ... | „ 24 | 0 | 0 | 5 | „ | ... | ... | |
| | 626 | 26th March 1885 ... | Cuddapah-Nellore and Rajputana-Malwa. | | Stakes, galvanized, with pulleys, brackets, and bolts, complete. | „ 830 | 0 | 1 | 6 | „ | ... | ... | |
| | 645 | 14th July 1885 ... | Nagpur-Chhatisgarh | | Ditto ditto ditto | „ 500 | 0 | 1 | 6 | „ | ... | ... | |
| | 662 | 5th November 1885 ... | | | Ditto ditto ditto | „ 500 | 0 | 1 | 6 | „ | ... | ... | |
| | 626 | 26th March 1885 ... | Cuddapah-Nellore and Rajputana-Malwa. | | Wheels, pulley, with bolts and nuts for stakes ... | „ 890 | 0 | 0 | 6 | „ | ... | ... | |
| | 626 | 26th March 1885 ... | Ditto ditto ... | | Wicks ... ... ... ... | Gross 12 | 0 | 1 | 7 | Gross | ... | ... | |
| | 645 | 14th July 1885 ... | Nagpur-Chhattisgarh ... | | Do ... ... ... ... | „ 1 | 0 | 1 | 7 | „ | ... | ... | |
| | 666 | 5th December 1885 ... | Indus Valley and Sind-Sagar. | Tanks, wrought-iron. | Complete 8′ × 8′ × 4′ ... ... | No. 128 | 11 | 10 | 0 | Each | 260 | 593 | |
| | | | | | Cast-iron connection pipes for ditto, each with 9 bolts and nuts, 2¼″ × ¾″. | „ 64 | 0 | 4 | 6 | „ | ... | ... | |
| | 618 | 6th February 1885 ... | Bhavnagar-Gondal ... | Tickets, Card, Railway. | Blue for platform passes to be marked I. S. R. on back. | No. 400,000 | 0 | 0 | 10 | Thousand | ... | ... | Tickets are classified in the Nomenclature and classification of State Railway Stores under head G.—b-10. |
| | 639 | 14th May 1885 ... | Dacca ... | | Crimson, single ... ... ... | „ 30,000 | 0 | 0 | 10 | „ | ... | ... | |

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original F. | Completion F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 655 | 7th September 1885 ... | Indus Valley and Mysore... | Tickets, card, Railway. | Crimson, single ... ... ... | No. 1,000 | 0 | 0 | 10 | Thousand | ... | ... | |
| | 639 | 14th May 1885 ... | Dacca ... | | „ return ... ... ... | „ 25,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 643 | 20th June 1885 ... | Northern Bengal and Eastern Bengal. | | „ „ ... ... ... | „ 50,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 655 | 7th September 1885 ... | Indus Valley and Mysore... | | „ „ ... ... ... | „ 10,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 639 | 14th May 1885 ... | Cawnpore-Achnera ... | | Green, single ... ... ... | „ 1,50,000 | 0 | 0 | 10 | „ | ... | ... | |
| | „ | Ditto ... | Dacca ... | | „ return ... ... ... | „ 20,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 643 | 20th June 1885 ... | Northern Bengal and Eastern Bengal. | | „ „ ... ... ... | „ 30,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 639 | 14th May 1885 ... | Dacca ... | | Red, single ... ... ... | „ 60,000 | 0 | 0 | 10 | „ | ... | ... | |
| | „ | Ditto ... | Dacca and Cawnpore-Achnera. | | White, „ ... ... ... | „ 60,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 655 | 7th September 1885 ... | Indus Valley and Mysore... | | „ „ ... ... ... | „ 1,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 639 | 14th May 1885 ... | Dacca ... | | White, return ... ... ... | „ 10,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 643 | 20th June 1885 ... | Northern Bengal and Eastern Bengal. | | „ „ ... ... ... | „ 20,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 655 | 7th September 1885 ... | Indus Valley and Mysore... | | „ „ ... ... ... | „ 2,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 618 | 6th February 1885 ... | Burma ... | | Yellow, third-class, marked B. S. R. on back. | „ 68,30,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 639 | 14th May 1885 ... | Dacca ... | | Yellow, single ... ... ... | „ 15,00,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 653 | 20th August 1885 ... | Bhavnagar-Gondal ... | | „ „ ... ... ... | „ 30,00,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 655 | 7th September 1885 ... | Indus Valley and Mysore... | | „ „ ... ... ... | „ 33,80,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 643 | 20th June 1885 ... | Northern Bengal and Eastern Bengal. | | „ return ... ... ... | „ 10,00,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 639 | 14th May 1885 ... | Dacca ... | | „ „ ... ... ... | „ 3,00,000 | 0 | 0 | 10 | „ | ... | ... | |
| | 655 | 7th September 1885 ... | Indus Valley and Mysore... | | „ „ ... ... ... | „ 10,000 | 0 | 0 | 10 | „ | ... | ... | |





*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original F. | Completion. F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 632 | 20th April 1885 ... | Cuddapah-Nellore ... | Traversers. | Wagon, metre-gauge ... ... ... | No. 2 | 90 | 0 | 0 | Each | *Nil* | 567 | |
| | 625 | 25th March 1885 ... | Cuddapah-Nellore and Rewari-Ferozepore. | Turntables, engines. | 36 feet diameter, suited to the metre-gauge ... | No. 3 | 225 | 0 | 0 | Each | 329 | 565 1—2 | |
| | 644 | 9th July 1885 ... | Cawnpore-Achnera ... | | 36 feet diameter, suited to the metre-gauge ... | „ 1 | 225 | 0 | 0 | „ | 329 | 579 | |
| | 656 | 22nd September 1885 | Eastern Bengal ... Katni-Umaria ... | | 50 feet diameter, 5′ 6″ gauge, each capable of turning an engine and tender weighing 80 tons. ... ... ... | „ 3 | 545 | 0 | 0 | „ | 559 | 588 1—3 | |
| | 634 | 27th April 1885 ... | Rajputana-Malwa ... | Valves, sluice. | 6″, double flanged ... | No. 1 | 2 | 4 | 0 | Each | ... | ... | |
| | 621 | 28th February 1885 ... | Northern Bengal ... | Watches, Guards'. | ..... ..... | „ 12 | 3 | 10 | 0 | Each | ... | ... | To replace those lost in the "*Eldorado*" on Contract F604. |
| | 646 | 10th July 1885 ... | Eastern Bengal ... | | With 24-hour dials ... ... ... | „ 60 | 3 | 10 | 0 | „ | ... | ... | Guards' watches are classified in the Nomenclature and classification of State Railway Stores under head G.—b-9. |
| | 664 | 20th November 1885 ... | Nagpur-Chhattisgarh ... | | As supplied under Contract F621, except that improvements have been made which effectually prevent the displacement of the hair spring by external violence. | „ 6 | 3 | 10 | 0 | „ | ... | ... | |
| | 628 | 13th April 1885 ... | Rajputana-Malwa ... | Watches, Guards'; spare parts of— | Glasses, white, raised, $1\frac{5}{16}$″ × $\frac{1}{16}$″ ... ... | No. 50 | 0 | 12 | 6 | Total | ... | ... | |
| | | | | | Ditto $2\frac{1}{16}$″ × $\frac{1}{16}$″ ... ... | „ 50 | | | | | | | |
| | | | | | Ditto $2\frac{1}{8}$″ × $\frac{1}{16}$″ ... ... | „ 50 | | | | | | | |
| | | | | | Oil for watches ... ... ... | Bottles 3 | 0 | 4 | 6 | „ | ... | ... | |

*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(continued).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original F. | Completion F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 630 | 17th April 1885 ... | Cuddapah-Nellore ... | Weigh-bridges. | Capable of weighing up to 10 tons ... ... | No. 2 | 90 | 0 | 0 | Each | *Nil.* | 566/1—2 | |
| | 670 | 31st December 1885 ... | Sind-Sagar ... | | To weigh up to 18 tons, with steel yards, graduated for Indian and English weights. | „ 2 | 112 | 0 | 0 | „ | ... | 596/1—2 | |
| | 660 | 7th October 1885 ... | Katni-Umaria ... | | To weigh up to 20 tons, graduated for tons and maunds. | „ 1 | 120 | 0 | 0 | „ | ... | ... | Girders for platform made 13½″ deep instead of 12″. |
| | 637 | 8th May 1885 ... | Cawnpore-Achnera ... | | To weigh up to 25 tons each, metre-gauge ... | „ 2 | 170 | 0 | 0 | „ | ... | 587/1—5 | |
| | 642 | 5th June 1885 ... | Wardha-Coal ... | Weigh-bridge, spare parts of— | Arm, cast-iron, for wagon weigh-bridge, 5′ 6″ gauge, table 15 feet long, made by Messrs. Pooley and Sons, No. 4489. | No. 1 | 22 | 0 | 0 | Each | ... | ... | |
| | 631 | 22nd April 1885 ... | Cuddapah-Nellore ... | Weighing machine. | Platform, to weigh up to 7 maunds ... | No. 10 | 7 | 10 | 0 | Each | *Nil* | 580/1—2 | |
| | 659 | 30th September 1885 ... | Indus Valley ... | | Platform, to weigh up to 14 maunds ... | „ 3 | 10 | 0 | 0 | „ | „ | 583 | |
| | 631 | 22nd April 1885 ... | Cuddapah-Nellore ... | | Platform, to weigh up to 28 maunds ... | „ 3 | 14 | 0 | 0 | „ | „ | 581/1—2 | |
| | 659 | 30th September 1885 ... | Indus Valley and Katni-Umaria. | | Platform, to weigh up to 28 maunds ... | „ 5 | 13 | 2 | 6 | „ | „ | 584 | |





*Statement showing rates free on board in England of Articles contracted for by the India Office from January to December 1885*—(concluded).

| Class. | Contract. Number F. | Contract. Date. | For what Railway indented for. | Articles. | Details. | Number or quantity contracted for. | Rate F. O. B. in England. Amount. £ | s. | d. | Unit. | India Office drawings (if any). Original F. | Completion F. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS F—STATION MATERIALS AND FENCING. | 651 | 6th August 1885 ... | Northern-Bengal ... | Weights. | Standard, brass, ½ cwt. ... ... ... | No. 1 | 10 | 0 | 0 | Total | ... | ... | To be turned and finished bright all over and correct to English standard. |
| | | | | | Ditto ¼ „ ... ... ... | „ 1 | | | | | | | |
| | | | | | Ditto 14 lbs. ... ... ... | „ 1 | | | | | | | |
| | | | | | Ditto 7 „ ... ... ... | „ 1 | | | | | | | |

To arrive at an approximate cost of F-Class stores landed at the ports mentioned below, the following percentages on the original value may be added for entire sea-freight. The freight to the port of Rangoon during 1885 for F-Class stores was 25 to 30 shillings per ton:—

| | | |
|---|---|---|
| Port | Bombay ... | ... Rs. 9 per cent. |
| „ | Calcutta ... | ... „ 8 „ |
| „ | Karachi ... | ... „ 5 „ |
| „ | Madras ... | ... „ 7 „ |

} Only ⅘ths freight should be entered in Indents as payable in England.

(Sd.) G. F. WILSON, Captain, R.E.,

*for* Director General.