**GOVERNMENT OF INDIA**
**MINISTRY OF RAILWAYS**
**(RAILWAY BOARD)**

**No. 2014/C&IS/Project/WR-Repl. Datacom Equip/61** **New Delhi dated: .11.2014**

**The General Manager,**
**Western Railway,**
**Mumbai.**

**Sub:- Detailed Estimate of the work of "Western Railway – Replacement of Datacom Equipments of Unreserved Ticketing System".**

**Ref: Western Railway's letter No. WR/S&T/HQ/2014-15/21 dated 20.09.2014.**

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The detailed estimate amounting to Rs. 3,65,33,199/- for above mentioned work of "**Western Railway – Replacement of Datacom Equipments of Unreserved Ticketing System"** has been pruned down to Rs. 3.56 crore by restricting provision of D&G Charges @ 8% with the break-up as per Annexure.

Accordingly, sanction of the Ministry of Railways is hereby communicated to the Detailed Estimate for the work of **"Western Railway – Replacement of Datacom Equipments of Unreserved Ticketing System"** at the cost of Rs. 3.56 crore (Rupees three crore and fifty six lakh only).

The work may be carried out in an open, competitive, transparent, fair and cost effective manner after drawing up 'right-sized', 'vendor and technology neutral' technical specifications and other tender conditions.

This issues with the concurrence of Finance Directorate of Ministry of Railways.

Vinita

**(Vinita Narera)**
**Director Electronics(C&IS)**

**No. 2014/C&IS/Project/WR-Repl. Datacom Equip/61** **New Delhi dated: .11.2014**

**Copy to :**

1. **The FA & CAO, Western Railway, Mumbai.**
2. **Principal Director of Audit, Western Railway, Mumbai.**
3. **The Dy. Comptroller and Auditor General of India (Railways), Room No. – 224, Rail Bhawan, New Delhi.**

**For Financial Commissioner/Railways**

**Copy to :**

1. **Chief Commercial Manager/PM, Western Railway, Mumbai.**
2. **Chief Signal & Telecom Engineer, Western Railway, Mumbai.**
3. **F(X)-II and Budget Branches of Railway Board.**

**Annexure**

## Break-up of cost of the Detailed Estimate of the work of "Western Railway – Replacement of Datacom Equipment of Unreserved Ticketing System"

| S.No. | Item Details | Qty. | Rate (Rs.) | Cost (Rs.) |
|---|---|---|---|---|
| 1 | 2 Mbps Digital modems with digital interface for both DTE and carrier end G-703, E1 | 40 Pairs | 16531.7 | 661266.00 |
| 2 | 2 Mbps Digital Modems with digital interface for both DTE and carrier end, 4 Nos. Of Ethernet 10/100 Base T Ports to work as 4 Ports LAN Extenders | 108 Pairs | 16531.7 | 1785419.00 |
| 3 | 24 Port Manageable Layer 2, LAN Switches operatable on (-) 40 V to (-) 60 V DC | 66 Nos. | 54500 | 3597000.00 |
| 4 | 24 Ports Manageable Layer 2, LAN Switches | 66 Nos. | 54500 | 3597000.00 |
| **5** | IP Routers, 19"Rack Mountable, 2 LAN and 8*2 Mbps G-703 WAN Ports, 100 KPPS, Operatable on (-) 40 V to (-) 60 V DC and equipped with 4 No.s of 2 Mbps, G-703 Serial Modules (WAN Ports), each of 2 Ports | 22 Nos. | 242500 | 5335000.00 |
| 6 | IP Routers, 19"Rack Mountable, 2 LAN and 8*2 Mbps G-703 WAN Ports, 100 KPPS, Operatable on (-) 40 V to (-) 60 V DC and equipped with 2 No.s of 2 Mbps, G-703 Serial Modules (WAN Ports), each of 2 Ports | 73 Nos. | 242500 | 17702500.00 |
| **7** | **Total** | | | **32678186.00** |
| **8** | **D&G Charges** | | **8.00%** | **2614254.88** |
| **9** | **Total (7+8)** | | | **35292440.88** |
| **10** | **Contingency Charges (1% of 9)** | | **1.00%** | **352924.40** |
| **11** | **Grand Total** | | | **35645365.28** |
| | **Rounded off** | | | **Rs. 3.56 crore** |

Vinita

Rsingh.