



RailTel Corporation of India Limited

A Government of India (Ministry of Railways) Undertaking

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Corrigendum - I

GeM Bid No. GEM/2023/B/3006156

Date: 31.01.2023

Name of the Work: "Procurement of Racks for various locations of southern region"

Ref : GEM/2023/B/3006156, Dt. 25.01.2023.

1. Corrigendum to ATC has been issued vide Annexure – A (Technical Specifications)
2. Tender opening / closing date remain unchanged. i.e, 16.02.2023

All other T&C remains unchanged as per ATC.

This is issued with the approval of Competent Authority.


31/1/23.
MGR/PROC/SR
For RailTel Corporation of India Ltd.,

Annexure – A

TECHNICAL SPECIFICATION FOR RACKS OF VARIOUS SIZES

1. Purpose

The purpose of this document is to provide specifications for “**Racks various sizes to locations of southern region.**”

2. General Technical Requirements:

A. Thickness of Material:

- Wall Mount and its components should be made from CRCA Steel Material – at least 1.2 mm to 1.5 mm thick for 6U,9U,15U & 27U Racks. For 42U Racks thickness should be 1.5 mm to 2.0 mm.
- Mounting rails (2 Pairs) be made from CRCA Steel Material at least 2mm thick.

B. Basic Structure:

- Basic structure of CRCA Steel in a welded frame with top, bottom and side frame.
- Cable Entry Provision should be made on the Top and Bottom of the Cabinets with appropriate Grommets / Closers.
- Ventilation slots to be provided at the Bottom of the Front & side Faces for proper ventilation.
- Structure should be rigid and should allow front and rear mounting angles to be fixed at desired depth, so as to accommodate cable manger & patch chords.

C. Power Management:

- PDU with protection from power surge (Fuse/MCB), should be of branded make such as HAVELLS or equivalent.
- Overall rating of the power strip should be 16A and it should have Single Pole ON/OFF switch with indicator as an isolator.
- 3m long power input cable should be provided with appropriate rating and 15A Indian type plug.

D. Heat Management: Fan should be of AC 230V with flow volume of at least 90 CFM. Proper finger guards to be provided on the fans duly riveted to avoid any loosening.

E. Powder Coating Details: Thickness of powder coating should be >50 Microns.

F. Certifications, Environmental and Safety Requirements:

- Racks should be manufactured by ISO9001, 14001, 27001, 45001, Certified company.
- Manufacturer must certify that the products are RoHS Compliance.
- The rack should comply minimum of IP 20 rating.

6U Rack Specifications:

- Wall mount racks, Size of Rack Enclosure- 6U, Depth of the Rack (mm)- 600.
- Mount Type: Wall mount, Front glass Door: Yes, Type of glass used in front door: Transparent Toughened Glass.
- Material used for rear door: Cold Rolled Steel Metal, Rear Door: No. Back side of the rack should be closed with a removable panel.
- Side Panels: Fixed type.
- Secure Locks for doors: Available.
- Shelf For CRT/TFT Display: No.
- Cable Channel in rear side for cable management: Yes, Support cable entry from top or bottom: Yes.
- The rack should be fitted with one modem tray 19 inches. Horizontal managers: Yes.
- Numbers of Rack trays: 1, **Number of Fan for Heat dissipation (nos): 2**, Number of fan trays: 1, Heavy Duty Caster Wheels: No, If yes, then Front Break Options: N/A, Load Bearing Capacity (Kgs): 25.
- If Wall mount racks then, Swing-Out Racks: N/A, Dust or water resistant: No.
- PDU Power Strips of 6x5A with MCB protections: Yes.
- Copper Earthing Strip -Yes.

9U Rack Specifications:

- Type of Racks: Wall mount racks, Size of Rack Enclosure- 9U, Depth of the Rack (mm)- 600.
- Mount Type: Wall mount, Front glass Door: Yes, Type of glass used in front door: Transparent Toughened Glass.
- Material used for rear door: Cold Rolled Steel Metal, Rear Door: No. Back side of the rack should be closed with a removable panel.
- Side Panels: Fixed type.
- Secure Locks for doors: Available, Keyboard Tray Sliding and Rotary: No.
- Shelf For CRT/TFT Display: No, Cable Channel in rear side for cable management: Yes, Support cable entry from top or bottom: Yes.
- The rack should be fitted with one modem tray 19 inches. Horizontal managers: Yes.
- Numbers of Rack trays: 2, Number of Fan for Heat dissipation (nos): 2, Number of fan trays: 1, Heavy Duty Caster Wheels: No. If yes, then Front Break Options: N/A, Load Bearing Capacity (Kgs): 45.
- If Wall mount racks then, Swing-Out Racks: N/A, Dust or. water resistant: No.
- PDU Power Strips, 6x5A with MCB protections: Yes.
- Copper Earthing Strip -Yes.

15U Rack Specifications:

- Type of Racks: Floor mount racks, Size of Rack Enclosure- 15U, Depth of the Rack (mm)- 600.
- Mount Type: Floor mount, Front glass Door: Yes, Type of glass used in front door: Transparent Toughened Glass.
- Material used for rear door: Cold Rolled Steel Metal, Rear Door: Yes.
- Side Panels: Fixed type.
- Secure Locks for doors: Available, Keyboard Tray Sliding and Rotary: No.

- Shelf For CRT/TFT Display: No.
- Cable Channel in rear side for cable management: Yes, Support cable entry from top or bottom: Yes.
- Number of Horizontal cable managers: 2, Numbers of Modem trays: 2.
- Number of Fan for Heat dissipation (no's): 2, Number of fan trays: 1.
- Heavy Duty Caster Wheels: yes. If yes, then Front Break Options: Available
- Load Bearing Capacity (Kgs): 100.
- PDU Power Strips of 6x5A with MCB protections: Yes.
- Copper Earthing Strip -Yes.

27U Rack Specifications:

- Type of Racks: Floor mount Enclosure, Size of Rack Enclosure- 27U.
- Depth of the Rack (mm)- 600 mm.
- Mount Type: Free-Standing floor mount, Front glass Door: Yes, Type of glass used in front door: Transparent Toughened Glass.
- Material used for rear door: Cold Rolled Steel Metal/CRCA Steel, Rear Door: Yes.
- **Side Panels: Removable.**
- Secure Locks for doors: Available, Keyboard Tray Sliding and Rotary: No.
- Shelf For CRT/TFT Display: No.
- Cable Channel in rear side for cable management: Yes.
- Support cable entry from top or bottom: Yes.
- Number of Horizontal cable managers: 3, Number of modem trays: 4.
- Number of Fan for Heat dissipation (no's): 4, Number of fan trays: 1.
- Heavy Duty Caster Wheels: Yes, if yes, then Front Break Options: Available.
- Load Bearing Capacity (Kgs): 300.
- PDU **dual** Power Strips of 12x5A with MCB protections: Yes.
- Copper Earthing Strip -Yes.

42U Rack Specifications:

- Type of Racks: Floor mount Enclosure, Size of Rack Enclosure- 42U.
- Depth of the Rack (mm)- 600 mm.
- Mount Type: Free-Standing floor mount, Front glass Door: Yes, Type of glass used in front door: Transparent Toughened Glass.
- Material used for rear door: Cold Rolled Steel Metal/CRCA Steel, Rear Door: Yes.
- Secure Locks for doors: Available, Keyboard Tray Sliding and Rotary: No.
- Shelf For CRT/TFT Display: Yes.
- Cable Channel in rear side for cable management: Yes.
- Support cable entry from top or bottom: Yes, Vertical & Horizontal managers: Yes.
- Number of Horizontal cable managers: 4, Number of modem trays: 4.
- Number of Fan for Heat dissipation (nos): 4, Number of fan trays: 1.
- Heavy Duty Caster Wheels: Yes.
- If yes, then Front Break Options: Available.
- Load Bearing Capacity (Kgs): 500.
- PDU **dual** Power Strips of 12x5A with MCB protections: Yes.
- Copper Earthing Strip -Yes.
- **Side Panels : Removable.**