

# **KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**

## **TECHNICAL SPECIFICATION SECTION –FURNITURE**

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SECTION - FURNITURE**

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## **SECTION 11.0 - FURNITURE**

### **1.0 GENERAL:**

This specification covers design, engineering, manufacturing, testing and delivery at site of furniture required for 220 kV & 110 kV & 66 Stations.

### **2.0 QUALIFYING REQUIREMENTS:**

Please refer Section-7 of Bid documents.

### **3.0 STANDARDS:**

Equipments offered shall confirm to relevant Indian standards equivalent or Higher International standards

### **4.0 STEEL ALMIRAH (6 1/2):**

Size H 1.83 m x W 0.915 m x D 0.48 m (excluding leg of 15.24 cm) fitted, with four fixed shelves making five compartments double door with three way locking device and duplicate keys, all joints outside and inside should be spot or arc welded and neatly finished by grinding. The edges of doors and shelves should be properly bent to U-shape of 25 mm width to ensure good strength and the outer edge of U-bent of the door lengthwise should be double folded and neatly finished, the shelves front side should be bent to U-shape neatly and finished to avoid any possible cuts to fingers and hand when handled. Longitudinal ) of 15-24 cm Wide including bent to required shape should be provided and fixed to each door at the centre. The breadth of the shelf in the Almirah should be to the entire width leaving about 12mm gap from the shutter when it is closed.

#### **4.1 LOCKING DEVICE:**

Three way locking device with 10 gauge M.S. sheet for locking and level plate and with locking rod of 10 mm dia with strong bracket at top and bottom to hold the locking rod with six lever lock should be provided. 65 mm size lever strong locks to be fixed. Handle should be made out of brass cast alloy With rust-free chrome plated Lock should be fixed. Handle should be made out of brass cast alloy with nickel chrome plated, Lock should be similar to Godrej type.

#### **4.02 STEEL ALMIRAH WITH GLASS PANEL DOORS:**

Size H 1.83 m x W 0.915 m x D 0.48 m (excluding leg of 15.24 cm) fitted with four fixed shelves making five compartments double door with three way locking device and duplicate keys, all joints outside and inside should be spot or arc welded and neatly finished by grinding. The outside corner should be rounded off to give good appearance. The edges of doors and shelves should properly bent to U-shape of 25mm width to ensure

good strength and outer edge of U-bent of the door length wise should be double folded and neatly finished. The shelves front side should be bent to U-shape neatly and finished to avoid any possible cuts to fingers and hand when handled. Longitudinal rib of 15.24 cm wide including bent to required shape should be provided and fixed to each door at the centre.

The breath of the shelf in the Almirah should be to the entire width leaving about 12mm gap from the shutter when it is closed. But with glass door fitted with four fixed shelves making five compartments. Two-way locking systems with 100 x 37-mm brass six lever locks to be provided. The glass panels for doors shall be 4mm thick clear glass should be provided. The glass panels should be fixed with fully covered plate around both inside and outside. Handle should be made out of brass cast alloy. Locks should be similar to Godrej type with suitable locking device.

#### **5.0 OFFICER'S TABLE:**

Have overall size 1.93 m W x 0.786 m H With laminated top. There shall be three drawers with automatic locking device on the right side and a cupboard with a shelf on the left side with square legs of section 25 mm x 25 mm 16 G. The top shall be of 20-mm thick laminated block board with 32mm thick V-shape teakwood internal beading nicely polished with two coats of colourless polish- The table shall be confirmed to Godrej T - 102/D. The table shall be derusted. Premier coated and painted with enamel paint as per indenter's choice. All components shall be made out of NIS sheet of 20G.

#### **6.0 STEEL SLOTTED ANGLE RACK (BIG):**

Size 1.80 m x 0.9m x 0.375 m overall with four upright and five panels, the uprights shall be slotted angle of section 40x40x2 mm and the panels of size 900 mm x 375 mm x 20. The panels should be fixed to the upright by means of GI Bolts of size 8mm-x 16 mm by providing 16 nos. Standard gussets at

The rack shall be painted as per indenter's choice.

#### **7.0 STEEL SLOTTED ANGLE RACK (SMALL):**

Size 0.90 m x 0.9m x 0.375 m overall with four uprights and 3 panels. The uprights shall be slotted angles of section 40 x 40 x 2 mm and the panels of size 900mm x 375 mm x 20 G. The panel should be fixed to the uprights by means of GI bolts of size 8mm x 16 mm, by providing 16 nos, standard gussets at corners. The rack shall be painted as per indenter's choice.

#### **8.0 STEEL DUST BIN:**

Made out of 22G MS sheet. The size of the dust-bin shall be 27.94 cm square at the top and 20.32 cm square at the bottom with a height of 30.48 cm. A sheet leg shall be

provided for a height of 5cm. The dust bin shall derusted primer, coated and painted with synthetic enamel paint as per indentors choice.

#### **9.0 EXECUTIVE REVOLVING CHAIR WITH FULL HIGH BACK WITH HEAD REST:**

Executive revolving chair with tilting and revolving arrangement of standard size 12.7 cm thick foam for the seat and 10.2 cm thick foam for the back covered with feather touch Bohr Rexin. The chair shall be with full high back with head rest and to be fitted on the M.S.(tubular ) revolving base with 5 frongs fitted with ball casters. The colour and shade of rexin cloth as per the indentors choice.

#### **10.0 'S' TYPE CONTINUOUS ARM CHAIR WITH CUSHION SEAT & BACK:**

The name shall be made from MS tubular pipe of 16 gauge and with 25-mm outer dia- The head of the chair frame shall be 89-cm height 51 cm depth 53 cm width properly bent to its required shape and neatly ruickled chrome plated or powder coated of approved colour. The seat and back shall be 50-mm thick foam cushioned on teak-wood frame and neatly upholstered with Bohr Rexin. The arm rest also shall be cushioned and upholstered. Tour rubber shoes shall be provided at the bottom of the chair frame.

#### **11.0 STEEL FOLDING CRAIR Wt 3.7 kg (91.45):**

Tubular frame sizes height 94 cm when folded seat sizes 39.3 cm deep and 45.7 cm Hip-h from the floor. Rack rest about 20.3 cm wide. The tabular frame should be 22mm OD (18 gauage) ERW or gas welded steel tube and cross pipe of 16mm OD (20 gauge) steel tubes. The cross pipes are fixed to the leg pipes by strong rivets. 22 G CRCA steel should be used for the seat and back plate is neatly pressed to the required contour with rounded corners and fixed on the tabular frame by self taping screws in such a way that the chair could be folded and opened easily. Connecting 4 lever plates 89 mm x 20 trim 10 gauge thick to be fixed at the top Junction of the front and rear legs and top end of rear legs. Hard plastic shoes should be provided at the bottom of the front and rear legs and top end of rear le s. The chairs are finished by spray or stove enamel in standard 9 colours.

12.0 Establishing type of brands      Godrej / Chandan / Featherlite.