# TEVTA, WOOD WORKING SERVICE CENTRE RAWALPINDI

# ERRA

# **Standard Specifications of School Furniture**





# WOOD WORKING SERVICE CENTRE RAWALPINDI

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<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi



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### 2-SEATER DESK BENCH (Primary) - Pine Wood / Metal Structure

Dimension Desk =Top height 23"(584mm),Length 32"(813mm),Depth 14"(356mm) Dimension Bench = Seat height 14"(356mm), Length 32"(813mm), Depth 12"(305mm) Bench Back height = 25"(635mm)

Gape between Desk and Bench = 10"(254mm)

### Desk Bench Metal Structure

Desk & Bench outer structure made of MS (**Mild steel/cold rolled IIL Karachi**) 38x20mm, wall thickness of the pipe 1.2mm (18 gauge). Desk top rails, foot rest and bench top rail and bottom rail made of 20mm square and shelf strips 38 x 12mm MS (**Mild steel/cold rolled IIL Karachi**), wall thickness 1.2mm. Structure powder coated (*silver colour texture*). 40 x 20mm good quality rubber shoes fixed in structure footing.

### Top & Bench Strips (Wooden)

Top Size. 772 x 360 x 20mm thick

Bench strips size 772 x 50 x 20mm thick.

Top made of 20mm thick seasoned Pine Seasoned wood (two pieces glued with tongue and groove joint) having 7% to 8% moisture content.

Bench Seat and back strips made of Pine Seasoned wood **5-Nos strips** in seat rest and **3-Nos strips** in back rest. Finished with NC Lacquer.

All corners and edges of top and bench wooden strips are chamfered properly sanded, finished with NC lacquer. Top and strips fixed with wooden screws having counter sinked (screw 1-1/2"x8).





**Pine Seasoned Wood** 

<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi



Mild Steel Tube

Dated: 15-02-2012

### 3-SEATER DESK BENCH (Middle School) – Pine Wood /Metal Structure)

Dimension Desk =height 27"(686mm), Length 48"(1220mm), Depth 14"(356mm) Dimension Bench =height 17"(432mm), Length 48"(1220mm), Depth 12"(305mm) Bench Back height = 29"(737mm)

Gape between Desk and Bench = 12"(305mm)

### Desk Bench Metal Structure

Desk & Bench outer structure made of MS (**Mild steel/cold rolled IIL Karachi**) 38x20mm, wall thickness of the pipe 1.2mm (18 gauge). Desk top rails, foot rest and bench top rail and bottom rail made of 20mm square and shelf strips 38 x 12mm MS (**Mild steel/cold rolled IIL Karachi**), wall thickness 1.2mm. Structure powder coated (*Sliver colour texture*). 40 x 20mm good quality rubber shoes fixed in structure footing.

### Top & Bench Strips (Wooden)

<u>Top Size. 1180 x 360 x 20mm thick</u>

Bench strips size 1180 x 50 x 20mm thick

Top made of 20mm thick seasoned Pine Seasoned wood (two pieces glued with tongue and groove joint) having 7% to 8% moisture content.

Bench Seat and back strips made of Pine Seasoned wood **5-Nos strips** in seat rest and **3-Nos strips** in back rest. Finished with NC Lacquer.

All corners and edges of top and bench wooden strips are chamfered properly sanded, finished with NC lacquer. Top and strips fixed with wooden screws having counter sinked (screw 1-1/2"x8).





**Pine Seasoned Wood** 

<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi



Mild Steel Tube

Dated: 15-02-2012

### <u>3-SEATER DESK BENCH (High School) – Pine Wood /Metal Structure)</u>

Dimension Desk =height 30"(762mm), Length 48"(1220mm), Depth 14"(356mm) Dimension Bench =height 18"(457mm), Length 48"(1220mm), Depth 12"(305) Bench Back height = 30"(762mm)

Gape between Desk and Bench = 12"(305mm)

### Desk Bench Metal Structure

Desk & Bench outer structure made of MS (**Mild steel/cold rolled IIL Karachi**) 38x20mm, wall thickness of the pipe 1.2mm (18 gauge). Desk top rails, foot rest and bench top rail and bottom rail made of 20mm square and shelf strips 38 x 12mm MS (**Mild steel/cold rolled IIL Karachi**), wall thickness 1.2mm. Structure powder coated (*Sliver color texture*). 40 x 20mm good quality rubber shoes fixed in structure footing.

### Top & Bench Strips (Wooden)

Top Size. 1180 x 360 x 20mm thick

Bench strips size 1180 x 50 x 20mm thick

Top made of 20mm thick seasoned Pine Seasoned wood (two pieces glued with tongue and groove joint) having 7% to 8% moisture content.

Bench Seat and back strips made of Pine Seasoned wood **5-Nos strips** in seat rest and **3-Nos strips** in back rest. Finished with NC Lacquer.

All corners and edges of top and bench wooden strips are chamfered properly sanded, finished with NC lacquer. Top and strips fixed with wooden screws having counter sinked (screw 1-1/2"x8).





**Pine Seasoned Wood** 

<u>Prepared in</u> <u>consultation with</u> TARIQ SHAH Project Director WWSC, Rawalpindi



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Dated: 15-02-2012

### TABLET CHAIR (For Colleges - Pine Seasoned Wood/Metal Structure)

Overall Size:- depth 450 x width 470 x height 780mm Seat Height:- 450mm Tablo Size:- 460 x 220mm (shaped)

Tablo height:- 645mm

Seat Size:- 430 x 450mm (08-Nos wooden strips)

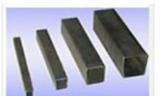
*Back Size:-* 430 x 170mm(03-Nos bend wooden pieces fixed with 10mm  $\emptyset$  wooden dowels) Chair structure made of mild steel square pipe 20/20mm (Mild steel/cold rolled IIL Karachi) wall thick 1.2mm. Finished with N.C. Silver Paint / Powder coating having 20 x 20mm rubber shoe good quality fixed in chair legs.

**Seat + back & writing Tablo made of Pine Seasoned wood** having 7% to 8% moisture content. Finished with N.C. Lacquer.

Wooden Screw in Seat:-¾" x 8 – (properly counter sinked)Steel Screw in Back:-1-1/2" x 8Steel Screw in Tablo:-1-1/4" x 8







**Mild Steel Tube** 

<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi

Dated: 15-02-2012



### **STOOL Pine Wooden Strips /Metal Structure** )

**Overall Size:-** 315 x 315 x 450mm (H)

Structure made of mild steel square pipe 20x20mm (**Mild steel/cold rolled IIL Karachi**) wall thick 1.2mm. Finished with N.C. silver paint/powder coated with 04-Nos rubber shoes 20 x 20mm good quality.

Seat strips (6-Nos) made of pine seasoned wood having 7% to 8% moisture content, finished with N.C. Lacquer.

Strips size:- 315 x 45 x 20mm fixed with steel screws. (1-1/4" x 8)



Pine Wood



**Mild Steel Tube** 

<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi

Dated: 15-02-2012



### **TEACHER / OFFICE CHAIR (Pine Seasoned Wood/Metal Structure)**

Over all size:- depth 450 x width 520 x height 780mm

Seat size :- 468 x 440mm (468 x 100 x 20mm 04-Nos strips )

Back size:- 470 x 170mm(03-Nos bend wooden pieces fixed with 10mm  $\emptyset$  wooden dowels) Seat height:- 450mm

Arm height:- 645mm

Arms :- (02-Nos size 419 x 50 x 20mm)

Chair structure made of 25x25mm mild steel pipe (**Mild steel/cold rolled IIL Karachi**) wall thick 1.2mm. Finished with Nitrocellulose silver paint/powder coated and 04-Nos 25x25mm rubber shoes good quality. Arms, Seat & back made of pine seasoned wood having 7% to 8% moisture content. All corners and edges of seat strips arms and back strips are chamfered and properly sanded Finished with N.C. lacquer.

Wooden Screw in Seat:-	3/4" x 8 – (properly counter sinked)
Steel Screw in Back:-	1-1/2 x 8
Steel Screw in Arms:-	1-1/2" x 8



Mild Steel Tube

<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi

Dated: 15-02-2012



### **TEACHER TABLE (Lamination/Metal Structure)**

**Overall Size:-** 1200 x600 x760mm (H)

Metal Structure Size:- 1180 x550 x730mm

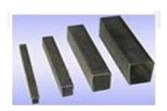
Structure made of mild steel square pipe 25x25mm (**Mild steel/cold rolled IIL Karachi**) wall thick 1.2mm. Having 04-nos rubber shoes 25x25mm good quality. Finished with N.C. silver paint.

### *Top size:- 1200 x600 x24mm*

Top made of 24mm thick high density chipboard pressed with one side Formica and other side lamination sheet, edged covered with shisham veneer/beading, one side one drawer without lock. Drawer tray made of MDF 16mm thick fixed with imported channels and tray bottom made of 2.5mm thick MDF only one side pressed with lamination sheet. Visible edges of shisham veneer finished with N.C. lacquer.

Wooden Screw for top:-1-1/2" x 8 – (properly counter sinked)Steel Screw for box:-1-1/4" x 8





Mild Steel Tube



Lamination Samples

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Dated: 15-02-2012



### **OFFICE TABLE (2-Drawers Lamination)**

**Overall Size:**- 1200 x600 x760mm (H)

Metal Structure Size:- 1180 x550 x730mm

Structure made of mild steel square pipe 25x25mm (**Mild steel/cold rolled IIL Karachi**) wall thick 1.2mm. Having 04-nos rubber shoes 25x25mm good quality. Finished with N.C. silver paint.

### *Top size:- 1200x600x24mm*

Top made of 24mm thick high density chipboard pressed with both side lamination sheet, edged covered with shisham veneer/beading, one side two drawers top drawer lock able with imported locks.. Drawer trays made of MDF 16mm thick fixed with imported channels and tray bottom made of 2.5mm thick MDF only one side pressed with lamination sheet.

Wooden Screw for top:-1-1/2" x 8 – (properly counter sinked)Steel Screw for box:-1-1/4" x 8



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Mild Steel Tube

Prepared in consultation with TARIQ SHAH Project Director WWSC, Rawalpindi



Dated: 15-02-2012

### HEAD MASTER/ PRINCIPAL TABLE

Size: 1600 x800 x760mm(H)

Structure Size:- 1580 x710 x730mm

Structure made of 25x25mm thick mild steel square pipe, (**Mild steel/cold rolled IIL Karachi**) having wall thickness 1.2mm. Having 04-nos rubber shoes 25x25mm good quality. Finished with NC silver paint.

### *Top size:- 1600 x800 x24mm*

Top made of 24mm thick high density chipboard. Pressed with lamination sheet on both sides. Table having one side drawer box consists of 3-drawer Top drawer lockable. Drawer box made of 18mm thick lamination board edged covered with shisham veneer, Drawer trays made of MDF 16mm thick fixed with imported channels and tray bottom made of 2.5mm thick MDF only one side pressed with lamination sheet. complete finished with NC lacquer.

### Table back and one side closed with panels as other side drawer box fixed.

Wooden Screw for top:-1-1/2" x 8 – (properly counter sinked)Steel Screw for box:-1-1/4" x 8



Back

Front

<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi



Dated: 15-02-2012

# GOVERNMENT OF PUNJAB

### HEAD MASTER CHAIR (Primary / Middle) – Cushioned / Metal Structure

 Over all size: depth 450 x width 520 x height 840mm

 Seat size : 468 x 440mm

 Back Size: 370 x 465mm (shaped)

Metal Structure size:- 450 x 520 x 800mm

Chair structure made of mild steel square pipe 25/25 mm (**Mild steel/cold rolled IIL Karachi**) having wall thick 1.2 mm. Finished with Nitrocellulose silver Paint/powder coated and 04-Nos 25x25mm rubber shoes good quality.

### Arm height:- 645mm

<u>Arms 02-Nos</u> size 419 x 50 x 20mm made of seasoned pine wood having 7% to 8% moisture content finished with N.C. lacquer. Fixed with steel screws. 1-1/4"x 8.

Seat & back made of solid seasoned wood. Properly cushioned having rubber strips with raw cotton filling fixed with 1<sup>st</sup> quality foam and covered with durable tapestry cloth. Steel Screw size:- 1-1/2" x 8



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### PRINCIPAL/ HEAD MASTER CHAIR (with arms) High School/ College

Chair structure size:- width 520 x depth 520 x height 435mm

Seat Size 465 x 465mm

Back Size 468 x 230mm

Chair structure, made of solid seasoned Shisham wood having 7% to 8% moisture content. Finished with Nitrocellulose lacquer. Seat & back made of solid seasoned wood properly cushioned having rubber strips with raw cotton filling fixed with 1st quality foam and covered with durable tapestry cloth.

Standard revolving cum tilting and reclining adjustable pedestal, having 5-stars with durable & load bearing caster wheels.

Wooden Screw in Seat:-2-1/2"x10 – (properly counter sinked)Steel Screw in Back:-2" x 8



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Dated: 15-02-2012



### **COMPUTER REVOLVING CHAIR (without Arms)**

Overall Size:- standard

Seat size wooden:- 480 x 420 x 20mm (shaped) Back size wooden:- 400 x 400 x20mm(shaped)

Seat and back made of solid seasoned wood. Seat & back properly cushioned having rubber strips with raw cotton filling fixed with 1st quality foam and covered with durable tapestry cloth. Having 5-star revolving adjustable threaded pedestal, durable & load bearing caster wheels.



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Dated: 15-02-2012

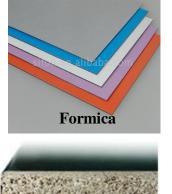
### **COMPUTER TABLE (Twin For 2 Students)**

Overall Size: - 1525 x 610 x 760 mm (H) Structure size:- 1500 x 585 x730mm (H)

Structure made of 25 x 25mm mild steel square pipe (**Mild steel/cold rolled IIL Karachi**) having 1.2 mm wall thickness. Finished with N.C.Silver Paint with 06-Nos rubber shoes. Top made of 24mm high density chipboard pressed with one side **Formica** other side lamination sheet. Top edges covered with shisham wooden beading. Section of beading 25 x 10mm. Beading finished with N.C. lacquer.

Open CPU box and Keyboard made of 18mm thick high density chipboard pressed with melamine lamination sheet on both sides, keyboard having shisham wooden strips fro holding the keyboard and use as a handle. Both keyboard sliding tray having imported sliding channels, beadings finished with N.C. lacquer.







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### **COMPUTER TABLE (for Teacher and Office)**

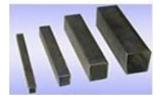
Overall Size: - 1525 x 610 x 760 mm (H)

Structure size:- 1500 x 585 x730mm (H)

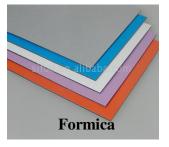
Structure made of 25 x 25mm mild steel square pipe (**Mild steel/cold rolled IIL Karachi**) having 1.2 mm wall thickness. Finished with N.C.Silver Paint with 06-Nos rubber shoes. Top made of 24mm high density chipboard pressed with one side Formica other side lamination sheet. Top edges covered with shisham wooden beading. Section of beading 25 x 10mm. Beading finished with N.C. lacquer.

One CPU box one Keyboard and one drawer (lockable) made of 18mm thick high density chipboard pressed with melamine lamination sheet on both sides, keyboard having shisham wooden strips for holding the keyboard and use as a handle. Finished with N.C. lacquer.





Mild Steel Tube



Prepared in consultation with TARIQ SHAH Project Director WWSC, Rawalpindi



Dated: 15-02-2012

### **Rostrum**

Length:- 620mm Width:- 550mm Height:- 1170mm

Structure made of high density chipboard pressed with melamine lamination sheet edged covered with shisham veneer on both sides. Fixed with 01-No shelf, complete finished with Nitrocellulose lacquer polish. 04-Nos round plastic shoes 20mmø x 5mm thick.



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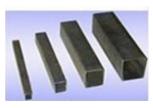
### **STAFF ROOM TABLE (Lamination Top/Metal Structure)**

Overall Size:- 1525 x 915 x 760mm(H)

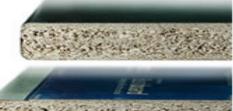
*structure size:- 1475 x 865 x730mm(H)* 

Table Structure made of 38x38mm mild steel square pipe wall thick 1.2 mm, pipe (**Mild steel/cold rolled IIL Karachi**). Metal structure finished with N.C. Silver Paint. **Top** made of 24mm thick high density chipboard pressed with **both side melamine lamination sheet**, edges covered with seasoned pinewood beading10x25mm all around.





Mild Steel Tube





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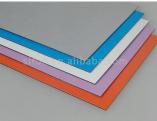
### LABORATORY TABLE (Fiber Glass Top/Metal Structure)

<u>Overall Size:- 1525 x 915 x 760mm(H)</u>

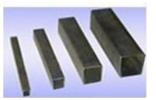
*structure size:- 1475 x 865 x730mm(H)* 

Table Structure made of 38x38mm mild steel square pipe wall thick 1.2 mm, pipe (**Mild steel/cold rolled IIL Karachi**). Metal structure finished with N.C. Silver Paint. **Top** made of high density chipboard 20mm pressed with not less than 2mm thick of layer Fiber glass (off white) on top and bottom not lass then 1mm layer of Fiber glass (off white) complete glazed. All around half round edges.





**Fiber Glass** 



**Mild Steel Tube** 

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### **OFFICE SIDE RACK( Lamination Sheet)**

Length: - 820 mm Width: - 390 mm Height: - 760 mm

Structure made of 18 mm thick high density chipboard pressed with lamination sheet on both sides with one shelf fixed. Edged covered with shisham veneer and visible parts of shisham veneer finished with N.C. lacquer. Having 04-Nos round plastic shoes 20mmø x 5mm thick. Back made of 2.5mm thick medium density fiber board (MDF) one side pressed with lamination sheet.





**Lamination Samples** 

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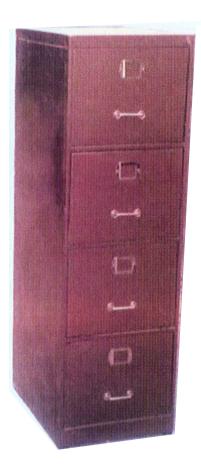
Dated: 15-02-2012



### **OFFICE FILING CABINET (04-Drawers)**

Overall Size:- 18" x 24" x 54"(H)

Made of mild steel sheet of 22 gauge with 04-Nos drawers with center locking system (imported lock) having with four handles insides with Name tags (pockets) Outside Finished with N.C. Hammer Paint.



<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi

Dated: 15-02-2012



### **STEEL ALMIRAH**

Overall Size:- 36" x 18" x 72" Made of mild steel sheet of 22 Gauge with 2-Nos lockable doors (imported lock), one handle inside having 4-shelves (5 parts) with legs 4" height as per design. Complete finished with N.C.Deco Hammer Paint.



<u>Prepared in</u> <u>consultation with</u> TARIQ SHAH Project Director WWSC, Rawalpindi



Dated: 15-02-2012

### LIBRARY STEEL GLASS ALMIRAH

Overall Size:- 36" x 18" x 72"

Made of mild steel sheet of 22 gauge with 02-Nos lockable glass panel doors (imported lock) having with one handle inside having 3-shelves (4 parts). Outside Finished with N.C. Deco Brown Hammer Paint and inside off white paint. Plain glass 3mm thick in doors.



<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi

Dated: 15-02-2012



### LABORATORY STEEL GLASS ALMIRAH (For Acid)

Overall Size:- 36" x 18" x 72"

Made of mild steel sheet of 22 gauge with 02-Nos lockable glass panel doors (imported lock) having with one handle inside having 3-shelves stainless steel (chemical resistance ) (4 parts). Outside Finished with N.C. Deco Brown Hammer Paint and inside off white paint. Plain glass 3mm thick in doors.



<u>Prepared in</u> <u>consultation with</u> **TARIQ SHAH** Project Director WWSC, Rawalpindi

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### SOFT BOARD/NOTICE BOARD (with Green Blazer)

### Overall Size: - 1220 X 760mm

Outside frame made of Pine Seasoned wood frame section have 45 x 18mm. finished with N.C. Lacquer.

Soft board thickness will be 10/11mm .2-Nos hooks for hanging purpose. Soft board covered with green blazer.

# Notice Board/Soft Board

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Dated: 15-02-2012

