



खनिज एवं पदार्थ प्रौद्योगिकी संस्थान
INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY

(Formerly Regional Research Laboratory)

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद
(Council of Scientific & Industrial Research)

भुवनेश्वर - 751013, भारत, Bhubaneswar - 751013, INDIA

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| Enquiry No :PF-10-2011-GBM-PCB |
| Last date of submission : 14.2.2012 Upto 5 PM |
| Date & time of opening : 15.2.1012 At 3 PM |

To

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| Date : 24.1.2012 |
| By * U.C.P * REGD POST * FAX * COURIER * SPEED POST * HAND |

Dear Sir(s),

We are interested in purchase/fabrication/repair of the following item(s) :

| Sl.No. | Description of Item(s) | Quantity |
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| 1 | Laboratory furniture for pilot plant Detailed specifications are attached in Annexure I,II&III. | One set |

You are requested to kindly go through the detailed Terms & Conditions/Instructions mentioned below and overleaf and submit your most competitive offer by the last date and time of submission cited above.

Terms & Conditions:

The offer must comprise of :-

1. The Basic Price
- 2 The %age of taxes as applicable.
- 3 Make and Model of the quoted item.
- 4 The delivery schedule.
- 5 The exact figure OR %age of discount offered.
- 6 Warranty period in case of instruments/equipments.
- 7 The cost of AMC to be charged after expiry of the warranty period in case of instruments/equipments.
- 8 The period of validity of the offer.
- 9 The quoted price (final offer) must be for F.O.R. Destination i.e. IMMT Stores, Bhubaneswar including Packing & Forwarding, Freight, Insurance, etc. with detail breakup.

Instructions:

1. Please Mention the Enquiry No. on the top of the ENVELOP.
2. Please submit copy of your Sales Tax and Income Tax Clearance Certificate and PAN.

Pl. Note:

The offer must be submitted strictly as per our enquiry Terms and Conditions/Instructions without which it shall be rejected as incomplete.

Yours faithfully,

Section Officer
Store and Purchas Section

| Sr. No. | Product | ROOM | Qty | Dimension | Specification |
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| <u>TABLES</u> | | <u>ANNEXURE-I (Make: Godrej or equivalent quality)</u> | | | |
| 1 | MAIN DESK | Sitting Room | 1 | Dimension: 1800mm L x 900mm W x 750 H | Main Material: Particle Board with the density of 680 kg / m3. Surface : CPL (Continuous Pressure Laminate) in 0.5 mm thickness. Process: Postforming in Duck-Nosed Profile. Edging: 2 mm PVC Edging, Black colour, Colour : Dark Cherry. Table Top : 25 mm MFC (Melamine Faced Chipboard), plus 30 mm MDF (Medium Density Fiberboard) black pad. Modesty Panel : 18 mm MFC. Leg : 25 mm MFC, plus 30 mm MDF right and left pad |
| 2 | FREE STANDING RETURN UNIT – RIGHT HAND SIDE | Sitting Room | 1 | Dimension: 1200mm L x 600mm W x 730 H | Main Material: Particle Board with the density of 680 kg / m3. Surface : CPL (Continuous Pressure Laminate) in 0.5 mm thickness. Process: Postforming in Duck-Nosed Profile. Edging: 2 mm PVC Edging, Black colour. Colour : Dark Cherry. Table Top : 25 mm MFC. Modesty Panel : 18 mm MFC. Leg : 25 mm MFC, plus 30 mm MDF right and left pad. |
| 3 | PEDESTAL | Sitting Room | 1 | Dimension: 400mm L x 560mm W x 560 H | Main Material: Particle Board with the density of 680 kg / m3 . Surface : CPL (Continuous Pressure Laminate) in 0.5 mm thickness. Process: Postforming in Duck-Nosed Profile. Edging: 2 mm PVC Edging, Black color. Colour : Dark Cherry. Top Panel : 25 mm MFC. All Other Panels : 18 mm MFC. Lock : Provided. Castors : Provided. Handle: Metal |
| 4 | BOOKCASE | Sitting Room | 1 | Dimension: 790mm W x 400mm D x 2200mm H | Main Material: Particle Board with the density of 680 kg / m3. Surface : CPL (Continuous Pressure Laminate) in 0.5 mm thickness. Process: Postforming in Duck-Nosed Profile. Edging: 2 mm PVC Edging, Black colour. Colour : Dark Cherry. Top Panel : 25 mm MFC. Door Panels : 18 mm MFC. All Other Panels : 18 mm MFC. Handle : Metal |

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| 5 | CENTER TABLE | Sitting Room | 1 | Dimension: 1000mm W x 600mm D x 428mm H | Clear Glass top Wooden Structure with Magazine shelf |
| 6 | CORNER TABLE | Sitting Room | 2 | Dimension: 500mm W x 500mm D x 428mm H | Clear Glass top Wooden Structure with Magazine shelf |
| 7 | MAIN DESK | Sitting Room | 3 | Dimension: 2000mm L x 1000mm W x 755 H | Work Surface: 25 mm thick MFC with 2 mm PVC edging. Curved shape. Side panels Legs : 25 mm thick MFC with curved shape. Fitting with metal bracket + plastic support to connect to the top panel. Adjustable Stud. Modesty: DESK 18 mm thick MFC with curve at edges. Connected to Top & Side panels with minifix fitting & Dowels. |
| 8 | MOBILE PEDESTAL | Sitting Room | 3 | Dimension: 406mm L x 550mm W x 585 H | Mobile Pedestal: 2 Drawers (1 personal drawer + 1 filing drawer with central lock). Top 25mm with 2 mm PVC. Carcass 18 mm back panel 9 mm. Castor of 50 mm diameter x 4 Nos. Black metallic handles 96 mm distance. Drawer box with 400 mm L normal runner. Filing drawers with 400 mm L 3 way extended runner. |
| 9 | RETURN UNIT – RIGHT HAND SIDE WITH PEDESTAL | Sitting Room | 3 | Dimension: 1380mm L x 600mm W x 750 H | Work Surface: 25 mm thick MFC with 2 mm PVC edging. Curved shape. Side panels Legs : 25 mm thick MFC with curved shape. Fitting with metal bracket + plastic support to connect to the top panel. Adjustable Stud. Modesty: DESK 18 mm thick MFC with curve at edges. Connected to Top & Side panels with minifix fitting & Dowels. Pedestal: Top panel 25 mm thick MFC. Carcass 18 mm thick MFC. Back panels 9 mm thick MFC. Plastic Glide adjustable. 3 personal drawers with central locking Connected to table with 2 nos. of 75 mm diameter metal support tubes. 400 mm L normal runner. |

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| 10 | File Drawer | Sitting Room | 3 | Dimension: 1380mm W x 515mm D x 610 H | Work Top: Top panel of 25 mm thick MFC with 2 mm PVC edging. Side Panels: 18 mm thick MFC with PVC edging. 55 mm diameter x 25 mm H adjustable plastic glide. Door with locks. Black metallic handles 96 mm distance. Door Unit: 2 Door units and 1 open shelf at centre. Door unit with 1 no. of fixed shelf |
| 11 | TABLE | Sitting Room | 2 | Top thickness : 18mm, Top Dimensions: 1500mm x 750mm, Understructure Height: 725mm, Overall Height: 743mm | <p>A) Understructure:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The understructure is in prelam panels, made with PLT boards. <input type="checkbox"/> 2-Drawer and 3-Drawer storage units with different combinations to support Tops, made with 18mm PLT boards of different colours. <input type="checkbox"/> Modesty and back panels, made with 18mm PLT boards. <input type="checkbox"/> The Pedestals/Storages are fitted with necessary Locks <p>B) PLT Board Tops (Straight Edges):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tops for Junior1, Junior2, and Middle desk with ERU are of 18mm thickness. <input type="checkbox"/> Made of 18mm thick PLT board with 2mm Edge banding. <input type="checkbox"/> Wenge and Savannah Maple PLT board used for making Tops. <p>C) PVC membrane Tops (with profiles):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tops for senior main and back unit desk are of PVC membrane pressed. <input type="checkbox"/> Made of 25mm thick MDF-one side laminate board with 0.4mm PVC membrane pressed on to tops. <input type="checkbox"/> The top has Duck nose and half round profiles edges. <input type="checkbox"/> The top is made in only one finish: European Ash. |

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| 12 | TABLE | Sitting Room | 3 | <p>Top thickness : 18mm, Top Dimensions: 1200mm x 750mm, Understructure Height: 725mm, Overall Height: 743mm</p> | <p>A) Understructure:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The understructure is in prelam panels, made with PLT boards. <input type="checkbox"/> 2-Drawer and 3-Drawer storage units with different combinations to support Tops, made with 18mm PLT boards of different colours. <input type="checkbox"/> Modesty and back panels, made with 18mm PLT boards. <input type="checkbox"/> The Pedestals/Storages are fitted with necessary Locks <p>B) PLT Board Tops (Straight Edges):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tops for Junior1, Junior2, and Middle desk with ERU are of 18mm thickness. <input type="checkbox"/> Made of 18mm thick PLT board with 2mm Edge banding. <input type="checkbox"/> Wenge and Savannah Maple PLT board used for making Tops. <p>C) PVC membrane Tops (with profiles):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tops for senior main and back unit desk are of PVC membrane pressed. <input type="checkbox"/> Made of 25mm thick MDF-one side laminate board with 0.4mm PVC membrane pressed on to tops. <input type="checkbox"/> The top has Duck nose and half round profiles edges. <input type="checkbox"/> The top is made in only one finish: European Ash. |
| 13 | COMPUTER TABLE | Sitting Room | 6 | <p>Dimension: 1200mm L x 600mm W x 750 H</p> | <p>Load Bearing Capacity: Table Top: 35 Kgs. Shelf: 12.5 Kgs. Drawer: 5.6 Kgs. Raw Material (specs of laminations & thickness): 18mm Prelam Particle Board, 3mm Prelam MDF Board Metal Parts: 1) BM Slide for Keyboard 2) Castor Mounting Plate, 3) Locking Bracket, 4) Angle Clit Hardware: Screw, KD Fitting, Wooden Dowel, PVC Inserts Construction: KD fitting , Wooden Dowel & Angle Clit.</p> |
| 14 | COMPUTER TABLE | Computer Lab | 11 | <p>Dimension: 675mm L x 600mm W x 750 H</p> | <p>Work Surface : Top thickness is 25mm PLB with PVC beading allover. Legs: Made from 18mm thick PLT having curved profile. Modesty: Made from PLT (Pre-laminated Twin) boards 18mm thick in two shades. Wire Manager: A Wire Manager running along the width of desk fitted on the modesty Panel from Inside.</p> |

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| 15 | STORAGE UNIT | Computer Lab | 3 | Dimension: 390mm W x 440mm D x 646mm H | Material: 0.8 thk CRCA for Body Shell, Drawer Front & tray, Front Side Stiffener, Rear Side Stiffener. 1.2 thk CRCA Top Stiffener & Bottom stiffener. Locking: 10 lever Cam Lock & Central RH locking with actuator & lock channel. mechanism for 'Box-Box-File' Pedestal. Finish: Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). |
| 16 | MULTIPURPOSE TABLE | Control Room & Lab Room 2 | 2 | Dimension: 1800mm L x 600mm W x 740 H | Top Worktop: 25 mm Thick PLB Tops with 2mm Thick PVC Edge Beading. Understructure: C – Frames: 1.6 mm thick M.S C-Frame Supporting the Top. Legs : Dia. 38.1 x 1.6 mm thick M.S ERW tube. |
| 17 | MULTIPURPOSE TABLE | Control Room | 1 | Dimension: 900mm L x 600mm W x 740 H | Top Worktop: 25 mm Thick PLB Tops with 2mm Thick PVC Edge Beading. Understructure: C – Frames: 1.6 mm thick M.S C-Frame Supporting the Top. Legs : Dia. 38.1 x 1.6 mm thick M.S ERW tube. |

CHAIRS

ANNEXURE-II (Make: Godrej or equivalent quality)

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| 1 | HIGH BACK | Sitting Room | 1 | HIGH BACK SIZE: 75.0cm. (W) X 115- 123.0cm. (H) X 75.0 CM (D) | <p>a) SEAT/BACK ASSEMBLY: The seat and back is made up of 1.2 cm thick hot pressed plywood, upholstered with pure leather (Black) at body contact areas and polyurethane foam.</p> <p>b) POLYURETHANE FOAM: The polyurethane foam for the seat is of density = 33 ± 2 kg/cu.m for all the back is of density = 24 ± 2 kg/cu.m.</p> <p>c) ARMRESTS: The armrest structure is made up of Stainless Steel elliptical and round tubular structure.</p> <p>d) SYNCHRO MECHANISM: The mechanism should have the following features: 360 degree revolving type. Single point control, Tilt tension adjustment & 5 position locking with anti-shock feature.</p> <p>e) CONNECTING SPINE BRACKET: The pneumatic height adjustment has an adjustment stroke of 8.5 ± 0.5 cm.</p> <p>f) PEDESTAL ASSEMBLY: Pedestal should be made up of High Pressure Die-cast Aluminium fitted with 5 nos twin wheel nylon castors (castor wheel diameter 5cm).</p> |
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| 2 | MID BACK | Sitting Room | 3 | <p>MID BACK SIZE: 75.0cm. (W) X 95.5- 103.5cm. (H) X 75.0 CM (D)</p> | <p>a) SEAT/BACK ASSEMBLY: The seat and back is made up of 1.2 cm thick hot pressed plywood, upholstered with pure leather (Black) at body contact areas and polyurethane foam.</p> <p>b) POLYURETHANE FOAM: The polyurethane foam for the seat is of density = 33 ± 2 kg/cu.m for all the back is of density = 24 ± 2 kg/cu.m.</p> <p>c) ARMRESTS: The armrest structure is made up of Stainless Steel elliptical and round tubular structure.</p> <p>d) SYNCHRO MECHANISM: The mechanism should have the following features: 360 degree revolving type. Single point control, Tilt tension adjustment & 5 position locking with anti-shock feature.</p> <p>e) CONNECTING SPINE BRACKET: The pneumatic height adjustment has an adjustment stroke of 8.5 ± 0.5 cm.</p> <p>f) PEDESTAL ASSEMBLY: Pedestal should be made up of High Pressure Die-cast Aluminium fitted with 5 nos twin wheel nylon castors (castor wheel diameter 5cm).</p> |
| 3 | MID BACK | Sitting Room | 12 | <p>MID BACK SIZE: 75.0cm. (W) X 95.5- 103.5cm. (H) X 75.0 CM (D)</p> | <p>1. SEAT/BACK ASSEMBLY: The seat is made up of plywood and moulded polyurethane foam upholstered with fabric. Backrest assembly is of injection moulded plastic with mesh fabric and height adjustable lumbar support pad.</p> <p>2. POLYURETHANE FOAM: The moulded polyurethane foam for seat is with density = 50 ± 2 kg./m³ and 22 ± 2 hardness.</p> <p>3. ADJUSTABLE ARMREST : The armrest has 3 way button operated height adjustment, front & back adjustment and swivel adjustment. The arm top is made of soft moulded PU with plastic insert.</p> <p>4. KNEE TILT SYNCHRO MECHANISM: The mechanism should have following features. a) 360* revolving type. b) Three position locking with ease to use dial-type knob. c) Tilt tension adjustment. d) Anti-shock feature.</p> <p>5. HEIGHT ADJUSTMENT: The pneumatic height adjustment is class 3 category and has an adjustment of 12.0 cm.</p> <p>6. PEDESTAL ASSY.: The pedestal is made of moulded plastic GF Nylon and fitted with 5 nos. twin wheel castors (castor wheel dia. 6.0cm.). The pedestal is 62.0 cm. pitch-center dia. (72.0 cm with castors).</p> <p>7. FABRIC: black polyester mesh back and black polyester seat upholstery</p> |

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| 4 | HEAD REST | Sitting Room | 3 | | The cushioned Head support should be adjustable in height and angle for optimum user comfort. |
| 5 | HIGH BACK CHAIR | Sitting Room | 2 | HIGH BACKSIZE: 49.0cm.(W) x 71.0cm.(H) SEAT SIZE: 49.0cm.(W) x 44.0cm.(D) | <p>1) SEAT/BACK ASSEMBLY: The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam is designed with contoured lumbar support for extra comfort. 2) POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m³ and Hardness = 20 +/- 2 on Hampden machine at 25% compression. 3) ARMRESTS : The one-piece armrests made of black integral skin polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The armrests are scratch and weather resistant. The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 0.5cm. thk. HR steel. 4) CENTRE PIVOT MECHANISM : The center pivot mechanism should have the following features: 360° revolving type. 17° maximum tilt on pivot at center. Tilt tension adjustment. Upright locking. 5) PNEUMATIC HEIGHT ADJUSTMENT : The pneumatic height adjustment has an adjustment stroke of 12.0 cm. 6)TELESCOPIC BELLOW ASSEMBLY: The bellow is 3 piece telescopic type and injection moulded in black Polypropylene. 7) PEDESTAL ASSEMBLY: The pedestal is injection moulded in black 30% glass-filled Nylon and fitted with 5 nos. twin wheel castors. The pedestal is 66.0cm. pitch-center dia. (76.0 cm with castors). 8) TWIN WHEEL CASTORS : The twin wheel castors are injection moulded in Black Nylon.</p> |

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| 6 | MID BACK CHAIR | Sitting Room | 3 | <p>MID BACKSIZE: 49.0cm.(W) x 47.0cm.(H) SEAT SIZE: 49.0cm.(W) x 44.0cm.(D)</p> | <p>1) SEAT/BACK ASSEMBLY: The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam is designed with contoured lumbar support for extra comfort. 2) POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m³ and Hardness = 20 +/- 2 on Hampden machine at 25% compression. 3) ARMRESTS : The one-piece armrests made of black integral skin polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The armrests are scratch and weather resistant. The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 0.5cm. thk. HR steel. 4) CENTRE PIVOT MECHANISM : The center pivot mechanism should have the following features: 360° revolving type. 17° maximum tilt on pivot at center. Tilt tension adjustment. Upright locking. 5) PNEUMATIC HEIGHT ADJUSTMENT : The pneumatic height adjustment has an adjustment stroke of 12.0 cm. 6)TELESCOPIC BELLOW ASSEMBLY: The bellow is 3 piece telescopic type and injection moulded in black Polypropylene. 7) PEDESTAL ASSEMBLY: The pedestal is injection moulded in black 30% glass-filled Nylon and fitted with 5 nos. twin wheel castors. The pedestal is 66.0cm. pitch-center dia. (76.0 cm with castors). 8) TWIN WHEEL CASTORS : The twin wheel castors are injection moulded in Black Nylon.</p> |
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| 7 | VISITOR CHAIRS (NON REVOLVING) | Sitting Room | 16 | MID BACKSIZE: 49.0cm.(W) x 47.0cm.(H) SEAT SIZE: 49.0cm.(W) x 44.0cm.(D) | 1) SEAT/BACK ASSEMBLY: The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam is designed with contoured lumbar support for extra comfort. 2) POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m3 and Hardness = 20 +/- 2 on Hampden machine at 25% compression. 3) ARMRESTS : The one-piece armrests made of black integral skin polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The armrests are scratch and weather resistant. The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 0.5cm. thk. HR steel. 4) TUBULAR FRAME : The tubular frame is cantilever type & made of Dia.2.54cm.(1")x 14 BG M.S. E.R.W. tube and black powder coated. |
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| 8 | COMPUTER CHAIRS | Computer Chairs for Sitting Rooms, computer lab, Lab | 15 | <p>SEAT SIZE: 45.0cm(W) x 42.0cm.(D), BACK SIZE: 39.0cm(W) x 38.0cm.(H)</p> | <p>1) SEAT/BACK ASSEMBLY: The seat made from 1.2cm. thk. hot pressed plywood and back is injection moulded from black Co-polymer Polypropylene upholstered with fabric and moulded Polyurethane foam together with seat and back covers. The back foam is designed with contoured lumbar support for extra comfort. 2) SEAT / BACK COVERS: The seat and back covers are injection moulded in black Co-polymer Polypropylene. 3) POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m³ and Hardness = 20 +/- 2 on Hampden machine at 25% compression. 4) ARMREST ASSEMBLY: The one-piece armrests are injection moulded from black Nylon. The armrests are fitted to the seat with armrest connecting brackets made of 0.5cm. thk. HR steel. 5) PERMANENT CONTACT MECHANISM: The permanent contact mechanism should be with the following features: 360° revolving type. 14° maximum back-tilt only. Upright position locking. Tilt tension adjustment. 6) PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 9.0 cm. 7) TELESCOPIC BELLOW ASSEMBLY: The bellow is 3 piece telescopic type and injection moulded in black Polypropylene. 9) PEDESTAL ASSEMBLY: The pedestal is injection moulded in black 30% glass-filled Nylon and fitted with 5 nos. twin wheel castors (castor wheel dia. 5.0cm.). The pedestal is 57.0 cm. pitch-centre dia. (67.0 cm with castors). 10) TWIN WHEEL CASTORS: The twin wheel castors are injection moulded in 30% Glass Filled black Nylon.</p> |
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| 9 | CONTROL ROOM CHAIRS | Control Room | 6 | <p>BACK SIZE: 49.0cm.(W) x47.0cm.(H)</p> <p>SEAT SIZE: 49.0cm.(W) x 44.0cm.(D)</p> | <p>1) SEAT/BACK ASSEMBLY: The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam is designed with contoured lumbar support for extra comfort.</p> <p>2) POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/- 2 kg/m and Hardness = 20 +/- 2 on Hampden machine at 25% compression.</p> <p>3) ARMRESTS: The armrest tops are injection moulded from black Polypropylene. They are fitted to tubular armrest supports made of Dia.2.54cm. (1") x 14 BG M.S. E.R.W. tube and black powder coated. The tubular armrest supports hold together the seat and back.</p> <p>4) CENTRE PIVOT MECHANISM : The centre pivot mechanism should have the following features: 3600 revolving type. 17° maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking.</p> <p>5) PNEUMATIC HEIGHT ADJUSTMENT : The pneumatic height adjustment has an adjustment stroke of 9.0 cm.</p> <p>6) TELESCOPIC BELLOW ASSEMBLY: The bellow is 3 piece telescopic type and injection moulded in black Polypropylene.</p> <p>7) PEDESTAL ASSEMBLY: The pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors.(castor wheel dia. 5.0cm.) The pedestal is 60.0cm. pitch-centre dia. (70.0 cm with castors).</p> <p>8) TWIN WHEEL CASTORS: The twin wheel castors are injection moulded in Black Nylon.</p> |
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| 10 | LAB STOOL | Lab Room 1 | 8 | <p>SEAT SIZE: Diameter 40.0 cm, BACK SIZE: 45.0 cm (W) covered with U foam.</p> | <p>1) SEAT ASSEMBLY: The seat is made up of 1.2 cm thick Commercial Grade plywood with moulded Polyurethane foam and are upholstered with replaceable fabric covers. The upholstery should be in Leatherite cloth. ADJUSTMENTS: 360 Degree Revolving type 2) BACK ASSEMBLY : The back foam is designed with contoured Lumbar support for extra comfort. The upholstery should be in Leatherite cloth. 3) POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m³ and Hardness 20 +/- 2 on Hampden machine at 25% compression. 4) HEIGHT ADJUSTMENT: The manual height adjustment is very easy to operate with a help of a knob. It can be easily locked at the most comfortable position. 5) PEDESTAL ASSEMBLY : The five-prong pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene Hub Cap and 5 nos. twin wheel castors. (Castor wheel diameter 5.0cm.) The pedestal is 55.0cm pitch-circle diameter (65.0 cm with castors). Circular foot ring of dia. 520 mm made from 19 mm dia. MS ERW Tube for foot support in High-base stool. 6) TWIN WHEEL CASTORS: The twin wheel castors are injection moulded in Black Nylon.</p> |
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| 11 | CONFERENCE ROOM HIGH BACK CHAIR | Conference Room | 1 | <p>HIGH BACK SIZE: 50.0cm. (W) X 72.0cm. (H). SEAT SIZE: 50.0cm. (W) X 46.0cm. (D)</p> | <p>1) SEAT/BACK ASSEMBLY: The seat / back are made up of 1.2 cm thick hot pressed plywood upholstered with fabric and moulded Polyurethane foam together with moulded seat and back covers. The back foam is designed with contoured lumbar support for extra comfort. 2) POLYURETHANE FOAM: The Polyurethane foam is moulded with density = 45 +/-2 kg/m and Hardness = 20 +/- 2 on Hampden machine at 25% compression. 3) SEAT / BACK COVERS: For PCH-7001D the seat cover is injection moulded in black co-polymer polypropylene and back cover is vacuum formed from ABS sheets. For PCH-7002D/3D/4D the seat and back covers are injection moulded in black co-polymer polypropylene. 4) ARMRESTS: The one-piece armrests made of black integral skin polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The armrests are scratch and weather resistant. The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 0.5cm. thk. HR steel. 5) CENTRE PIVOT MECHANISM : The center pivot mechanism should have the following features: 360 revolving type. 17° maximum tilt on pivot at center. Tilt tension adjustment. Upright locking. 6) PNEUMATIC HEIGHT ADJUSTMENT : The pneumatic height adjustment has an adjustment stroke of 12.0 cm. 7) TELESCOPIC BELLOW ASSEMBLY: The bellow is 3 piece telescopic type and injection moulded in black Polypropylene. 8) PEDESTAL ASSEMBLY : The pedestal is injection moulded in black 30% glass-filled Nylon and fitted. 9) with 5 nos. twin wheel castors. The pedestal is 66.0cm. pitch-center dia. (76.0 cm with castors). 8) TWIN WHEEL CASTORS(for PCH-7001/2): The twin wheel castors are injection moulded in Black Nylon.</p> |
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| 12 | CONFERENCE ROOM MID BACK CHAIR | Conference Room | 12 | <p>MID BACK SIZE: 50.0cm. (W) X 49.0cm. (H). SEAT SIZE: 50.0cm. (W) X 46.0cm. (D)</p> | <p>1) SEAT/BACK ASSEMBLY: The seat / back are made up of 1.2 cm thick hot pressed plywood upholstered with fabric and moulded Polyurethane foam together with moulded seat and back covers. The back foam is designed with contoured lumbar support for extra comfort. 2) POLYURETHANE FOAM: The Polyurethane foam is moulded with density = 45 +/-2 kg/m and Hardness = 20 +/- 2 on Hampden machine at 25% compression. 3) SEAT / BACK COVERS: For PCH-7001D the seat cover is injection moulded in black co-polymer polypropylene and back cover is vacuum formed from ABS sheets. For PCH-7002D/3D/4D the seat and back covers are injection moulded in black co-polymer polypropylene. 4) ARMRESTS: The one-piece armrests made of black integral skin polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The armrests are scratch and weather resistant. The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 0.5cm. thk. HR steel. 5) CENTRE PIVOT MECHANISM : The center pivot mechanism should have the following features: 360 revolving type. 17° maximum tilt on pivot at center. Tilt tension adjustment. Upright locking. 6) PNEUMATIC HEIGHT ADJUSTMENT : The pneumatic height adjustment has an adjustment stroke of 12.0 cm. 7) TELESCOPIC BELLOW ASSEMBLY: The bellow is 3 piece telescopic type and injection moulded in black Polypropylene. 8) PEDESTAL ASSEMBLY : The pedestal is injection moulded in black 30% glass-filled Nylon and fitted. 9) with 5 nos. twin wheel castors. The pedestal is 66.0cm. pitch-center dia. (76.0 cm with castors). 8) TWIN WHEEL CASTORS(for PCH-7001/2): The twin wheel castors are injection moulded in Black Nylon.</p> |
| 13 | Book Case | Sitting Room | 2 | <p>Dimension: 1736mm H x 914mm W x 320D</p> | Steel four door book case |

ANNEXURE-III

Make : Godrej or equivalent quality

| Sr. No. | Product | ROOM | Qty | Dimension | Specification |
|---------|---------|------|-----|-----------|---------------|
|---------|---------|------|-----|-----------|---------------|

LAB TABLE

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|---|-----------|---------------|---|---|--|
| 1 | LAB TABLE | Lab Room 1 | 1 | ISLAND LAB TABLE - 20 feet x 6 feet, TABLE AGAINST WALL – 4.5 feet x 6 feet | <p>1. Storage Cabinets: A complete modular type storage cabinet consists of Cabinet Frame, Cover panels, metal/ wooden shutters & drawers, support brackets, shelves, slides and handles. Cabinet Frame: Frame is a combination of 1.2 mm horizontal or stiffeners and 0.8 mm vertical panel of CRCA MS sheet. Cover Panels: End side panel, false panel and back panel of 0.8 mm thick CRCA MS sheet. Shutters: Metal Shutters are of 0.8mm thick CRCA MS sheet and 40-50 microns pure epoxy powder coated. It is available in variety of colors combination and can be easily cleaned. Support Brackets: Granite /Reagent Support Brackets serve the purpose of supporting the granite with carrying the service lines. It is made of 2 mm CRCA MS sheet with epoxy powder coating. Shelves & Drawers: CRCA shelves have a load carrying capacity of 40 kg. The overall load carrying capacity of cabinet is 80 Kg of UDL (40 kgs. On each shelf and 40 kgs. on bottom). The overall load carrying capacity of drawer is 40 kgs. of UDL for a pair of ball slide. Surface Treatment: The complete M.S. material of cabinet is pretreated (degreased, Zinc phosphate) and epoxy powder coated for better corrosion resistance. The thickness of powder coat is 45-50 microns, which passes the test of Salt Spray for 1000 hours and having the Scratch Hardness of 3Kgs.</p> <p>2. Work Surface: The various work surfaces required are as follows: Granite: 20(+/-2mm) mm. thick high quality granite in jet black colors with the edges having round profiles of 10 mm. radius on top side. The overhang of granite is 25 mm. at front side of understructure. It has good chemical resistance, high scratch & wear resistant and good clean ability. Backing Material: The backing material for granite : NEOPRENE MAT OF 6MM THICK.</p> <p>3. Sink Units : Ceramic Sink: 515 x 375 x 145 mm, Waste Coupling for Ceramic Sink: 1 1/4inch dia & 3inch L Anti-Siphon bottle trap: 38mm, Sink unit also has 3-way (2 Straight + 1 Swan Neck) water faucet made up of Brass and with Epoxy powder coatings.</p> <p>4. Electrical Trunking : Electrical trunking is made up of of 0.8mm thick CRCA MS Sheet. The complete M.S. material of cabinet to be pretreated (degreased, Zinc phosphated) and epoxy powder coated for better corrosion resistance. The thickness of powder coat to be 45-50 microns, which passes the test of Salt Spray for 1000 hours. It should have a high temperature withstanding capacity with excellent electrical insulation properties. The rear portion of above accessories which is in contact with live metal shall be made from thermo set material which should not melt on heating. Required Module: Bench Mounted Double side</p> |
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|---|---------------------------------|----------|---|------------------------------|--|
| 2 | PEG BOARD | Lab Room | 1 | 550mm W x 420mm H | Material: Stainless Steel (1mm thick) With Polypropylene pegs |
| 3 | CHEMICAL STORAGE UNIT | Lab Room | 1 | 1000mm W x 480mmD x 2000mm H | Material : Mild Steel. Features : Provision of Float Glass for visual / aesthetics. Provision for collecting the spillage in the tray placed on bottom. Provision of louvers/ perforations for supply. |
| 4 | GLASS SLIDING DOOR STORAGE UNIT | Lab Room | 2 | 900 mm W x 450 mm D x 1830 H | Construction & Material: Rigid Knock down construction. Prime Quality CRCA Steel – 0.8 mm Thick. Shelving: 4 Nos. of Adjustable Full Shelves. Finish: Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). Door: Sliding Glass Door |
| 5 | METAL SLIDING DOOR STORAGE UNIT | Lab Room | 2 | 900 mm W x 450 mm D x 1830 H | Construction & Material: Rigid Knock down construction. Prime Quality CRCA Steel – 0.8 mm Thick. Shelving: 4 Nos. of Adjustable Full Shelves. Finish: Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). Door: Sliding Metal Door |

LAB LAYOUT

