



An ISO 9001  
Company

**Bharat Heavy Electricals Limited**  
(High Pressure Boiler Plant)  
Tiruchirappalli – 620014, TAMIL NADU, INDIA  
MATERIALS MANAGEMENT / CAPITAL EQUIPMENT

## ENQUIRY

Phone: +91 431 257 79 39  
Fax : +91 431 252 07 19  
Email : [tvenkat@bheltry.co.in](mailto:tvenkat@bheltry.co.in)  
Web : [www.bhel.com](http://www.bhel.com)

Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
2621000058	01.06.2010	05.07.2010

You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order

Please note that under any circumstances both **delayed offer** and **late offers** will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the date of tender opening.

Item	Description	Quantity
10	Workstation 1500mm x 1500mm x 1200mm - 50mm thick with metal key board trolley, metallic CPU Trolley and one number of mobile pedestal in each seat as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	371 Nos.
20	Cubicle Type workstation 3000mm x 2400mm x 1200mm - 50mm thick with metal key board trolley, metallic CPU Trolley and one number of mobile pedestal in each seat as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	35 Nos.

### Important points to be taken care during submission of offer:

1. Delivery required 3 months from the date of purchase order.
2. Grace period of 2 weeks beyond the above delivery period will be considered.
3. Offer shall be evaluated both items (Sl.Nos.10 & 20) as a Single Package (over all L1 basis). Hence, both items should be quoted without fail any, otherwise your offer will not be considered.
4. Check-list to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.

**BHEL's General guidelines / instructions including bank guarantee formats and list**



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Item	Description	Quantity
	<b>of consortium banks, Commercial terms check-list can be downloaded from BHEL web site <a href="http://www.bhel.com">http://www.bhel.com</a> or from the Government tender website <a href="http://tenders.gov.in">http://tenders.gov.in</a> (public sector units &gt; Bharat Heavy Electricals Limited page) under Enquiry reference “2621000058”.</b>	
	Tenders should reach us before 14:00 hours on the due date Tenders will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present	<p>Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED</p> <p>Manager / Capital Equipment / MM</p>

## **PART A**

### **MODULAR TYPE WORKSTATIONS**

#### **SECTION – I : QUALIFYING CRITERIA**

The BIDDER has to submit the following details for considering the technical offer:

<b>Sl. No.</b>	<b>REQUIREMENTS</b>	<b>VENDOR's RESPONSE</b>
<b>1.0</b>	Only those vendors ( <b>OEMs</b> ), who have supplied and commissioned workstations to reputed manufacturing / service organizations in the past three years	
	The vendor should submit following information where similar type workstations were supplied and commissioned for qualification of their offer.	
1.1	Name and address of the vendor responding for this enquiry	
1.2	Nature of Company : Public Limited, Private Limited/Partnership Firm, Sole Proprietor – specify	
1.3	Annual Turnover – Past Three Years. Audited balance sheet copy to be submitted.	
1.4	Name and postal address of the customer or company where similar type workstations were supplied and installed.	
1.5	Name and designation of the contact person of the customer.	
1.6	Phone, Fax no and email address of the contact person of the customer.	
1.7	Month and Year of commissioning of workstations	
1.8	No. of workstations supplied and commissioned	
1.9	Application for which the workstations were supplied	
1.10	Along with the Technical offer, the Vendor should submit one Performance certificate from the customer for the satisfactory performance of the workstations supplied to them. For obtaining the Performance certificate, a suggestive format is provided in <b>SECTION – IV</b> .	
1.11	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	
1.12	In the event of adverse feed back with respect to performance of earlier supplied workstations from other units of BHEL, the offer shall be rejected.	
<b>2.0</b>	<b>Facilities and registration of OEM</b>	
2.1	ISO-9001-2008	
2.2	ISO-14001-2004	
2.3	OHASAS-18000-2007	
2.4	Certification from BIFMA. The manufacturer should have in house facility for testing products as per BIFMA derived guidelines.	
2.5	Computerized controlled through feed multi station edge preparation machine with gluing and cutting for, flush trimming, scrapping and butting.	
2.6	Computer controlled press brake for sheet metal bending.	
2.7	Converised powder coating plant with baking oven and powder applications.	
2.8	In the event of non availability of facilities mentioned under point number 2.5, 2.6 and 2.7 the offer will not be considered by BHEL.	

## **SECTION – I I**

The BIDDER / VENDOR is requested to provide the following information:

<b>Sl. No.</b>	<b>REQUIREMENTS</b>	<b>VENDOR's RESPONSE</b>
1.0	The BIDDER/VENDOR to furnish Reference List of Customers, with full address, details of contact person, where workstations have been supplied in the past.	
2.0	Details of workstations supplied to other BHEL units, if any. (Year of commissioning, size of workstations and current status)	
3.0	Details on SERVICE-AFTER-SALES Set-Up in India including the Address of Agents / Service Centers in Tamilnadu.	
3.1	Name and address of nearest office / branch covering BHEL, Trichy	

### **SECTION – III**

The BIDDER to note:

<b>Sl. No.</b>	<b>PARTICULARS</b>	<b>VENDOR'S RESPONSE</b>
1.0	The BIDDER / VENDOR shall submit the offer in TWO PARTS. 1. Technical Offer [with PART A & PART B] & commercial terms 2. Price Bid.	
2.0	The Technical Offer shall contain a comparative statement of Technical <b>Specifications demanded by BHEL</b> and <b>Offer Details submitted by the Bidder</b> , against each clause.  A just 'CONFIRMED' or 'COMPLIED' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement where specific details are required may lead to disqualification of the Technical Offer.	
3.0	The Technical Offer shall be supported by product Catalogues & Data Sheets and also technical details of Bought-Out-Items with copies of Product Catalogue to the extent possible.	
4.0	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation.	

## **SECTION – IV**

The performance certificate should be produced **on Customer's Letter Head.**

### **PERFORMANCE CERTIFICATE**

1. Supplier of the workstations & chairs	
2. Size & Number of workstations supplied	
3. No. of chairs supplied & model of chairs provided in workstations	
3. Month & Year of Commissioning	
4. Area of application (Strike off whichever is not applicable)	Software Development Centre/ Call Centre/ Design Office/ General Office
5. Performance of the workstations (Strike off whichever is not applicable)	Satisfactory / Good / Average / Not Satisfactory
6. After sales service (Strike off whichever is not applicable)	Satisfactory / Good / Average / Not Satisfactory
7. Any Other remarks	
Date: Signature & Seal of the Authority Issuing the Performance Certificate	

**BHARAT HEAVY ELECTRICALS LIMITED : TIRUCHIRAPPALLI-620 014****Name of work: Supply and commissioning of modular type workstations to HPBP**

<b>Sl. No</b>	<b>Thrust Area</b>	<b>Score</b>	<b>Remarks</b>
<b>I</b>	<b>NATURE OF COMPANY</b>	<b>20</b>	
	Public Limited	20	
	Private Limited/Partnership Firm	10	
	Sole Proprietor	5	
<b>II</b>	<b>Similar Experience (supply &amp; commissioning of total number of workstations in the last three years)</b>	<b>30</b>	
	More than 10001	30	
	From 8001 to 10000 seats	25	
	From 5001 to 8000 seats	20	
	From 2001 to 5000 seats	15	
	From 1000 to 2000 seats	10	
	Less than 1000 seats	0	
<b>III</b>	<b>Average Annual Turnover in last 3 financial years</b>	<b>20</b>	
	More than Rs. 5.00 crores	20	
	From Rs. 2.00 to Rs. 5.00 crores	10	
	Less than Rs. 2.00 crores	0	
<b>IV</b>	<b>Facilities and registration of OEM</b>	<b>20</b>	
	ISO 9001-2008	5	
	ISO 14001-2004	5	
	OHASAS 18000-2007	5	
	Test Facilities as per BIFMA	5	
<b>V</b>	<b>Dealer / Service Network</b>	<b>10</b>	
	Within 150 km	10	
	Beyond 150 km	5	

**Note: 1) The minimum score required for qualification is 60 out of 100.****2) Alternate materials other than specification given in the modular workstation will not be accepted.**

**SPECIFICATION FOR WORK STATIONS IN GROUND FLOOR OF BLDG.24, SECOND FLOOR OF BLDG.53, ITS&S IN GROUND FLOOR OF BLDG.2&4 AND FOURTH FLOOR OF BUILDING 24 / BHEL/ TRICHY-14**

The scope of this work will be manufacturing, supply and erection of the work stations (1500mm x 1500mm x 1200mm height for 296 persons and 3000mm x 2400mm x 1200mm height for 29 persons) at BHEL, Tiruchirappalli – 620 014. The general arrangement of work stations will be as per the enclosed Drawing Nos. (1) MS:RP:209:MWS:M 08 and (2) MS:RP:209: MWS:M 05. Sketch No 01, 02, 03, 04 and 05 dt: 12.05.2010 are attached indicating the locations for commissioning of workstations.

The height of the workstation frame will be 1200 mm.

**FRAME WORK**

**Members**

The members shall comprise of minimum 1.6 mm thick roll formed M.S. channel section (CRCA grade D conforming to IS: 513 -1994) to form an overall partition thickness of minimum 50mm. The MS section shall have a provision to connect the horizontal and vertical cross MS members as required to form the frame works. Thickness of epoxy powder coating should not be less than 40 microns.

**Joinery**

All the connections shall be made with not less than M6 G.I. screws.

**Top runner**

All top runners and vertical trims shall be made of 1.2 mm thick extruded aluminum alloy (He-9 – 63400) with epoxy powder coating finish of not less than 40 microns.

**Bottom skirting**

The bottom skirting shall be 150mm high and made of 1 mm thick M.S. CRCA Grade D as per IS:513- 1994 with epoxy powder coating 40 microns minimum.

**End trims**

The end trim shall be made of 1.2 mm thick aluminum alloy (He-9 – 63400) extruded section with epoxy powder coating of not less than 40 Microns.

**Junction**

The junctions are neatly rounded off by means of metal end caps for using in different areas like corner, 2 way, 3 way and 4 way location.



### **Slots in vertical & horizontals**

Suitable slots shall be provided in the vertical frames so that the work surface, brackets etc. can be moved vertically moved up and down for 3 inches. Similarly suitable slot provision shall be given for all vertical intermediate members so that it can be shifted at a fixed interval of  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$  of frame width.

### **Height adjuster**

Heavy-duty glide screws of suitable design with good material shall be provided at the base of the frame at suitable intervals for adjusting the level of the workstation up to +/-10mm to take care of variations in the floor level.

### **Top Tiles:**

Fabric tackable / magnetic tiles are fabric upholstered metal tiles in 0.6 mm thick M.S.CRCA Grade D as per IS:513 – 1994. White board tiles in 9.0 mm thick pre-laminated particle board confirming to IS:12823-1990 having all its edges with minimum 0.5mm thick PVC edging and fitted with M.S. buttons on the rear side which are hooked on the main frame.

### **Bottom Tiles**

Bottom tiles shall be of metal tiles in 0.6 mm thick M.S.CRCA Grade D as per IS:513 -1994 with suitable powder coat painting of 40 microns.

### **Work Table Top**

The work table top shall be of 25mm thick three layered melamine faced both side prelaminated particle board exterior grade conforming to IS-12823 to the required size and shape as shown in the drawing. All the edges of work top shall be provided with machine pressed 2mm thick PVC lipping glued with hotmelt EVA glue. For passing the wires, a circular cut of 65mm diameter shall be provided with ABS covers. For cabin type workstations required curvilinear /peninsula/ straight tops are to be supplied.

### **Under Structure:**

For cabin type workstations the return table has to be provided with round leg and 0.6 mm thick perforated M.S. CRCA Grade D as per IS:513-1994 modesty panel with suitable powder coat painting of 40 microns.

### **Gable end**

Gable end shall be of with supporting side panels as shown in the drawing.

### **Keyboard**

Pull out tray for keyboard and mouse shall be mounted below the surface of the worktops for each workstation made of 0.90 mm thick (minimum) epoxy powder coated (40 microns) MS sheet with ball sliding arrangement.

### **CPU Trolley**

CPU Trolley shall be made of 1.6 mm thick epoxy powder coated MS Sheet (40 microns). The trolley shall be provided with four Nos. of lockable castors made of black polypropylene for mobility.

### **Storage**

Storage unit shall be of 450mm width x 435mm depth + 646 mm height 3-drawer epoxy powder coated steel storage unit. The front facia and top of the pedestal are to be finished with 12mm thick pre-laminated particle board. Out of 3 drawers (Box+Box+File), the bottom most will be the file drawer and top drawer shall have a pencil tray. The storage unit shall also have suitable sliding arrangement, handle, locking facility, etc.

### **WIRE MANAGEMENT**

**Inlet:** Entry of wires into the work station partitions shall be possible from the floor, walls and from the ceiling, incase of full height partitions. There should be provision in the horizontal and vertical cross MS members in the partitions to allow for passage of wire throughout the length and height of the partitions.

**Outlet:** The transmission of cables shall be at special beams fixed to the frames, which are fitted with switch board plate on which the high quality switches / sockets shall be fitted. The provision for fitting switches shall be at least in three levels, Viz. skirting level, above the work surface level and below the work surface level. Details of switches / sockets to be fixed in each work station for Raw Power/ UPS Power, Data and Voice works will be provided by BHEL and for which suitable cuttings are to be provided by the supplier during manufacture.

**Transmission:** Work station partitions should be hollow and allow both free horizontal and vertical movement of wires. The space provided should allow separation of data and power cables by a minimum specified distance of 300mm.

**NOTE:-**

1. The specifications mentioned above are only broad descriptive in nature. However, the suppliers shall give detailed specification, drawings with standards for all the materials, arrangements, etc. as proposed by them along with their offer.
2. The Bidder shall submit sample pieces of all materials proposed to be used in the construction of workstation. Also, photographs of similar workstation executed already to be enclosed along with the offer. A reference list of installations executed so far to be submitted along with the offer.
3. Facilities required to be provided by BHEL to be indicated by the bidder in their offer . BHEL will provide needed electrical power free of cost at one location. Also BHEL will provide adequate storage space for storage of materials free of cost.
4. The total workstation system shall be so designed for easy assembly, dismantling and re-erection. The vendor should supply one sample workstation as a demo piece for our review.
5. 5mm thick striped float glass shall be provided in work station as shown in the drawing with necessary fixing arrangements.
6. One panel has to be provided with magnetic pin up board and one panel with white write up board in each work station as indicated in the drawing.
7. The maintenance period for this is one year and the supplier has to provide 4 free service camps at each office location after the installation of workstations.
8. The supplier shall provide architectural services towards designing/ drawing/layout for modular workstations free of cost to BHEL irrespective of the size of the project.
9. Final colour scheme will be approved by BHEL at the time of placement of order. Vendor to furnish various colour schemes available with them.
10. Suppliers are requested to visit fourth floor of building 79 for assessing the requirement of BHEL, Trichy before submitting their offer.

**BHEL : TRICHY-14**  
**SPECIFICATION FOR WORK STATIONS IN THIRD FLOOR OF BUILDING 79**

The scope of this work will be manufacturing, supply and erection of work stations (1500mm x 1500mm x 1200mm height for 75 persons and 3000mm x 2400mm x 1200mm height for 6 persons) at BHEL, Tiruchirappalli – 620 014. The general arrangement of workstation shall be as per the Drawing Nos. (1) MS:RP:79:3F/R1 (2) MS:RP:209:MWS:M 08 and (3) MS:RP: 209:MWS:M 05 enclosed.

The height of the workstation frame will be 1200 mm.

**FRAME WORK**

**Members**

The members shall comprise of minimum 1.6 mm thick roll formed M.S. channel section (CRCA grade D conforming to IS: 513 -1994) to form an overall partition thickness of minimum 50mm. The MS section shall have a provision to connect the horizontal and vertical cross MS members as required to form the frame works. Thickness of epoxy powder coating should not be less than 40 microns.

**Joinery**

All the connections shall be made with not less than M6 G.I. screws.

**Top runner**

All top runners and vertical trims shall be made of 1.2 mm thick extruded aluminum alloy (He-9 – 63400) with epoxy powder coating finish of not less than 40 microns.

**Bottom skirting**

The bottom skirting shall be 150mm high and made of 1 mm thick M.S. CRCA Grade D as per IS:513- 1994 with epoxy powder coating 40 microns minimum.

**End trims**

The end trim shall be made of 1.2 mm thick aluminum alloy (He-9 – 63400) extruded section with epoxy powder coating of not less than 40 Microns.

**Junction**

The junctions are neatly rounded off by means of metal end caps for using in different areas like corner, 2 way, 3 way and 4 way location.

### **Slots in vertical & horizontals**

Suitable slots shall be provided in the vertical frames so that the work surface, brackets etc. can be moved vertically moved up and down for 3 inches. Similarly suitable slot provision shall be given for all vertical intermediate members so that it can be shifted at a fixed interval of  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$  of frame width.

### **Height adjuster**

Heavy-duty glide screws of suitable design with good material shall be provided at the base of the frame at suitable intervals for adjusting the level of the workstation up to +/-10mm to take care of variations in the floor level.

### **Top Tiles:**

Fabric tackable / magnetic tiles are fabric upholstered metal tiles in 0.6 mm thick M.S.CRCA Grade D as per IS:513 – 1994. White board tiles in 9.0 mm thick pre-laminated particle board confirming to IS:12823-1990 having all its edges with minimum 0.5mm thick PVC edging and fitted with M.S. buttons on the rear side which are hooked on the main frame.

### **Bottom Tiles**

Bottom tiles shall be of metal tiles in 0.6 mm thick M.S.CRCA Grade D as per IS:513 -1994 with suitable powder coat painting of 40 microns.

### **Work Table Top**

The work table top shall be of 25mm thick three layered melamine faced both side prelaminated particle board exterior grade conforming to IS-12823 to the required size and shape as shown in the drawing. All the edges of work top shall be provided with machine pressed 2mm thick PVC lipping glued with hotmelt EVA glue. For passing the wires, a circular cut of 65mm diameter shall be provided with ABS covers. For cabin type workstations required curvilinear /peninsula/ straight tops are to be supplied.

### **Under Structure:**

For cabin type workstations the return table has to be provided with round leg and 0.6 mm thick perforated M.S. CRCA Grade D as per IS:513-1994 modesty panel with suitable powder coat painting of 40 microns.

### **Gable end**

Gable end shall be of with supporting side panels as shown in the drawing.

:3:

### **Keyboard**

Pull out tray for keyboard and mouse shall be mounted below the surface of the worktops for each workstation made of 0.90 mm thick (minimum) epoxy powder coated (40 microns) MS sheet with ball sliding arrangement.

### **CPU Trolley**

CPU Trolley shall be made of 1.6 mm thick epoxy powder coated MS Sheet (40 microns). The trolley shall be provided with four Nos. of lockable castors made of black polypropylene for mobility.

### **Storage**

Storage unit shall be of 450mm width x 435mm depth + 646 mm height 3-drawer epoxy powder coated steel storage unit. The front facia and top of the pedestal are to be finished with 12mm thick pre-laminated particle board. Out of 3 drawers (Box+Box+File), the bottom most will be the file drawer and top drawer shall have a pencil tray. The storage unit shall also have suitable sliding arrangement, handle, locking facility, etc.

### **WIRE MANAGEMENT**

**Inlet:** Entry of wires into the work station partitions shall be possible from the floor, walls and from the ceiling, incase of full height partitions. There should be provision in the horizontal and vertical cross MS members in the partitions to allow for passage of wire throughout the length and height of the partitions.

**Outlet:** The transmission of cables shall be at special beams fixed to the frames, which are fitted with switch board plate on which the high quality switches / sockets shall be fitted. The provision for fitting switches shall be at least in three levels, Viz. skirting level, above the work surface level and below the work surface level. Details of switches / sockets to be fixed in each work station for Raw Power/ UPS Power, Data and Voice works will be provided by BHEL and for which suitable cuttings are to be provided by the supplier during manufacture.

**Transmission:** Work station partitions should be hollow and allow both free horizontal and vertical movement of wires. The space provided should allow separation of data and power cables by a minimum specified distance of 300mm.

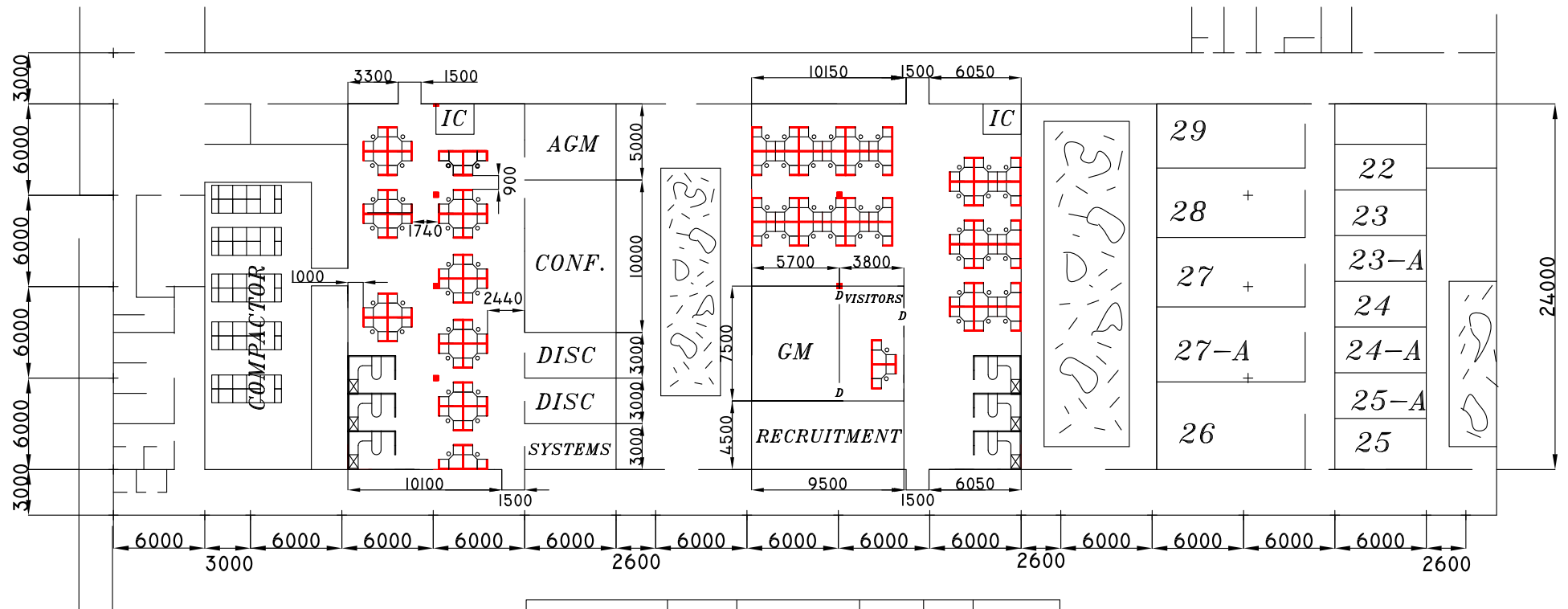
Contd...4

:4:

**NOTE:-**

1. The specifications mentioned above are only broad descriptive in nature. However, the suppliers shall give detailed specification, drawings with standards for all the materials, arrangements, etc. as proposed by them along with their offer.
2. The Bidder shall submit sample pieces of all materials proposed to be used in the construction of workstation. Also, photographs of similar workstation executed already to be enclosed along with the offer. A reference list of installations executed so far to be submitted along with the offer.
3. Facilities required to be provided by BHEL to be indicated by the bidder in their offer . BHEL will provide needed electrical power free of cost at one location. Also BHEL will provide adequate storage space for storage of materials free of cost.
4. The total workstation system shall be so designed for easy assembly, dismantling and re-erection. The vendor should supply one sample workstation as a demo piece for our review.
5. 5mm thick striped float glass shall be provided in work station as shown in the drawing with necessary fixing arrangements.
6. One panel has to be provided with magnetic pin up board and one panel with white write up board in each work station as indicated in the drawing.
7. The maintenance period for this is one year and the supplier has to provide 4 free service camps at each office location after the installation of workstations.
8. The supplier shall provide architectural services towards designing/ drawing/layout for modular workstations free of cost to BHEL irrespective of the size of the project.
9. Final colour scheme will be approved by BHEL at the time of placement of order. Vendor to furnish various colour schemes available with them.
10. Suppliers are requested to visit fourth floor of building 79 for assessing the requirement of BHEL, Trichy before submitting their offer.

## PROPOSED MODULAR LAYOUT IN HRM AREA BLDG 24/GF



NO OF SEATS	STAFF	DGM/SDGM	AGM	GM	TOTAL
	76	06	01	01	84

MODULAR SIZE= 1500mm x1500mm x 1200mm

SR EXECUTIVE'S MODULAR SIZE =3000mm x 2400mm x 1200mm

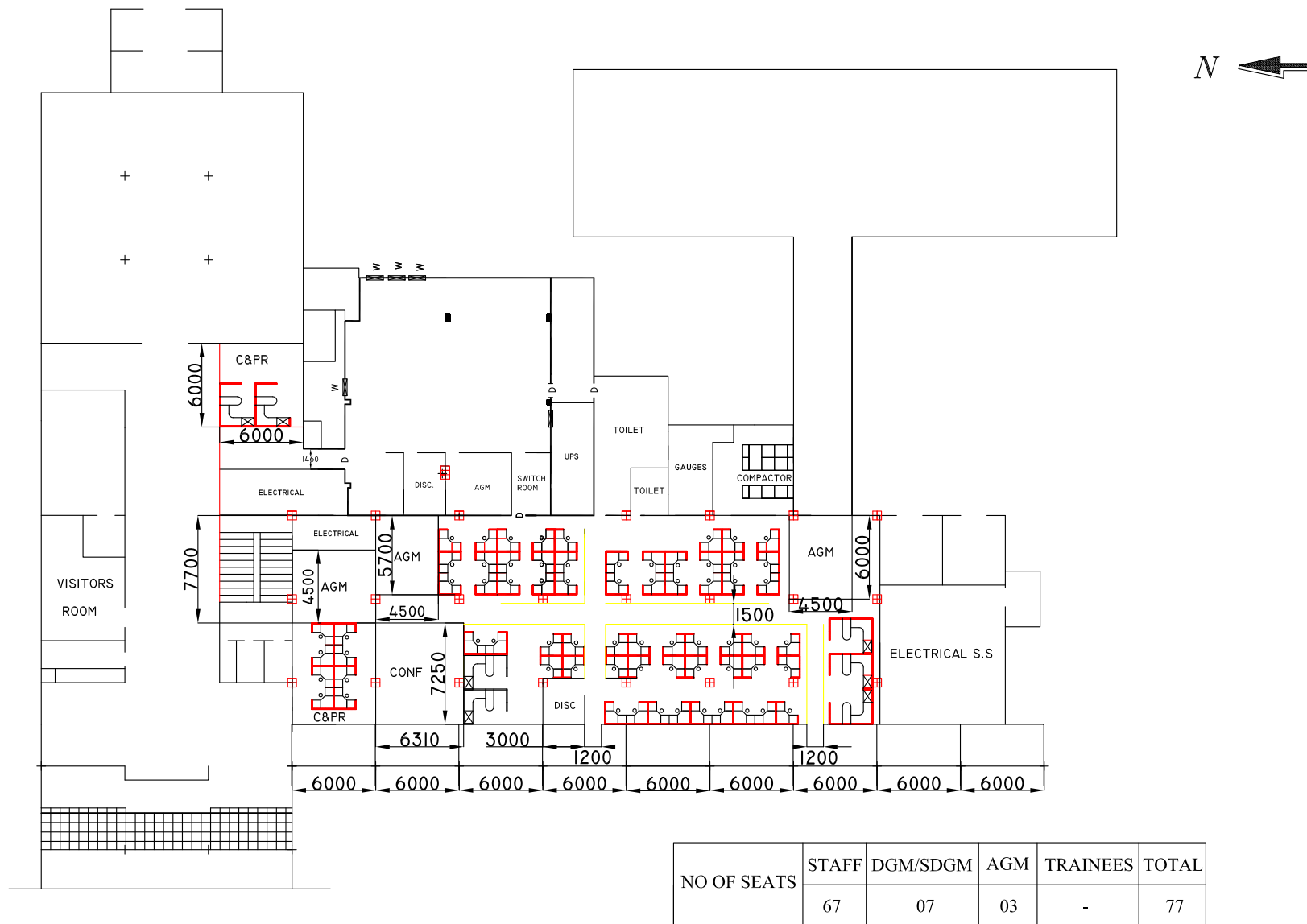
ALL DIMENSIONS ARE IN mm

SKETCH-01

12.05.2010



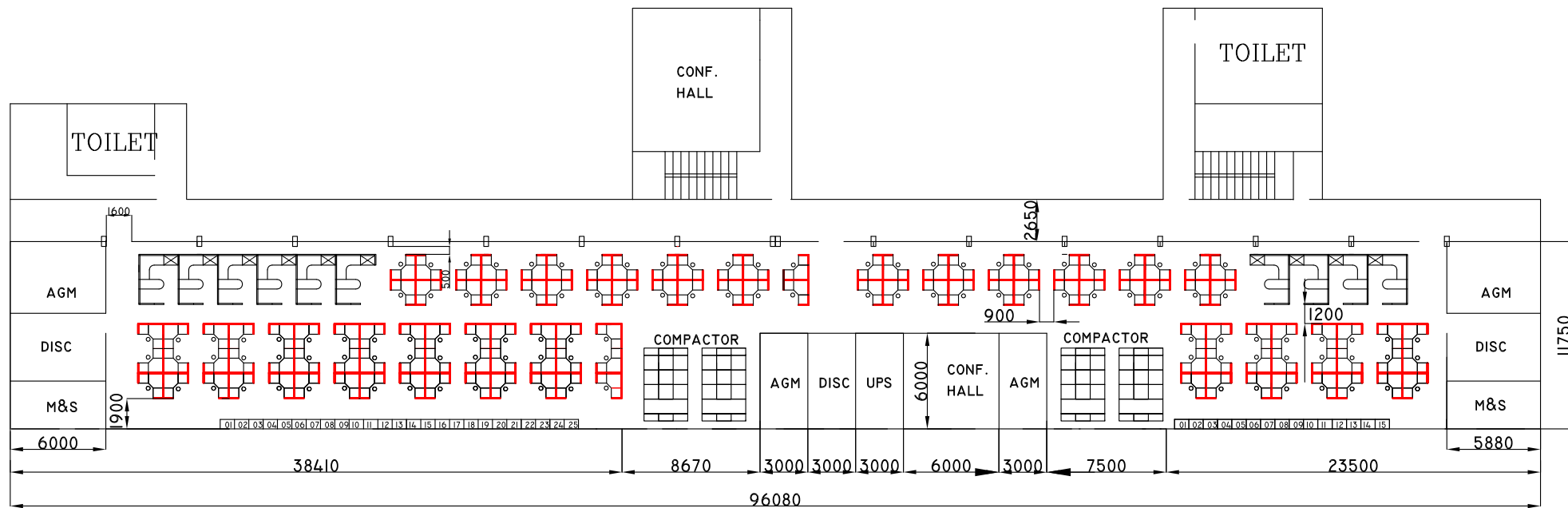
# *PROPOSAL MODULAR LAYOUT IN SUBCONTRACTING VALVES AREA BLDG 24/GF*



SKETCH-02  
12.05.2010

MODULAR SIZE= 1500mm x1500mm x 1200mm  
SR EXECUTIVE'S MODULAR SIZE =3000mm x 2400mm x 1200mm  
ALL DIMENSIONS ARE IN mm

# PROPOSED MODULAR WORKSTATION FOR 53 BLDG/SF



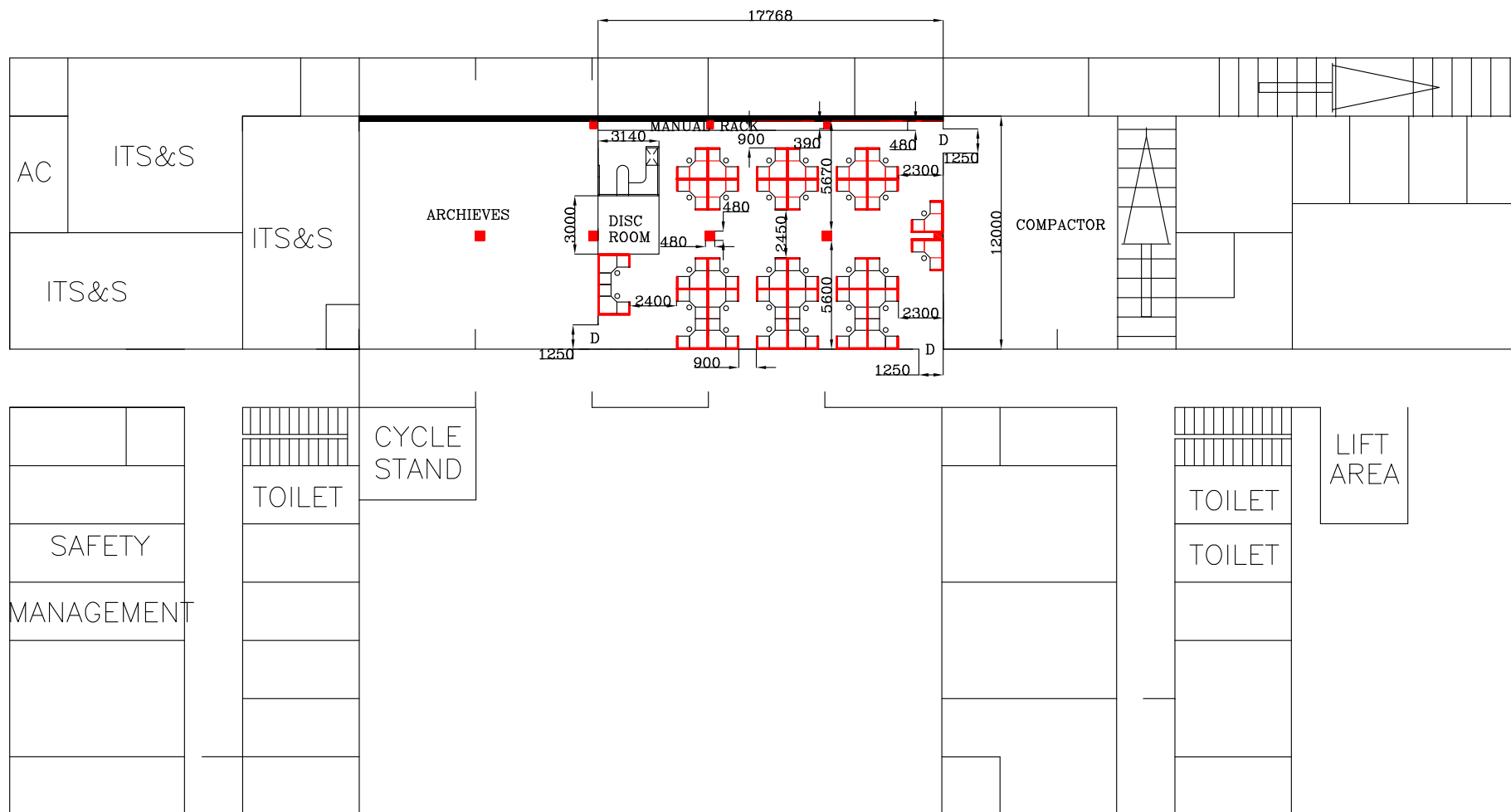
NO OF SEATS	STAFF	DGM/SDGM	AGM	TRAINEES	TOTAL
	119	10	4	40	173

MODULAR SIZE= 1500mm x1500mm x 1200mm  
 SR EXECUTIVE'S MODULAR SIZE =3000mm x 2400mm x 1200mm  
 ALL DIMENSIONS ARE IN mm

SKETCH-03  
 12.05.2010

# PROPOSED MODULAR WORKSTATION IN ARCHIEVES

N ←



NO OF SEATS	STAFF	DGM/SDGM	TOTAL
	34	01	35

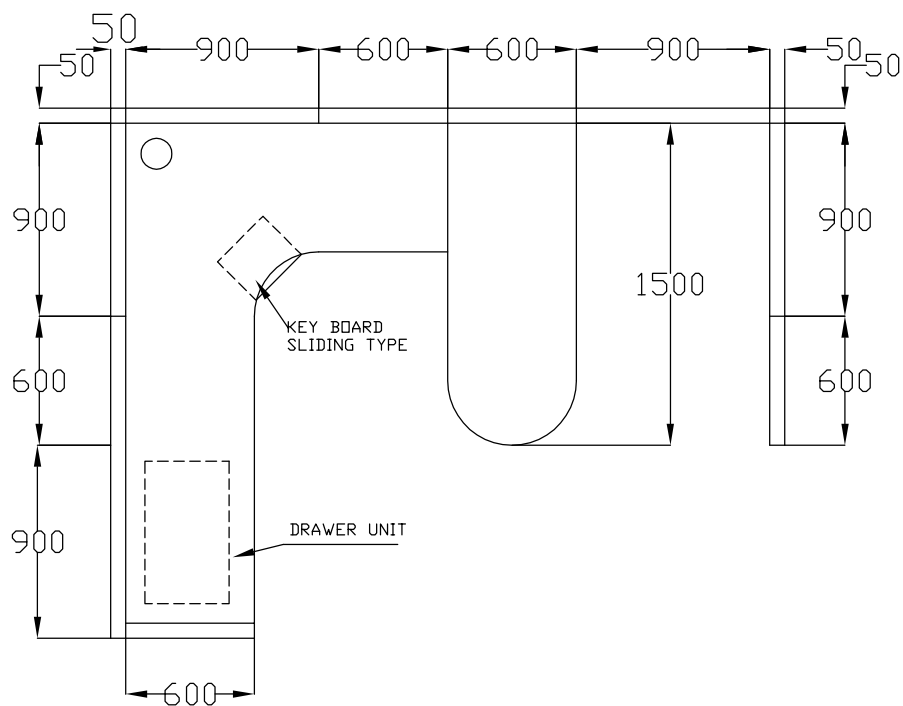
NOTE:

SR.EXECUTIVE'S MODULAR SIZE =3000mmX2400mmX1200mm  
 MODULAR SIZE =1500mmX1500mmX1200mm  
 ALL DIMENSIONS ARE IN mm

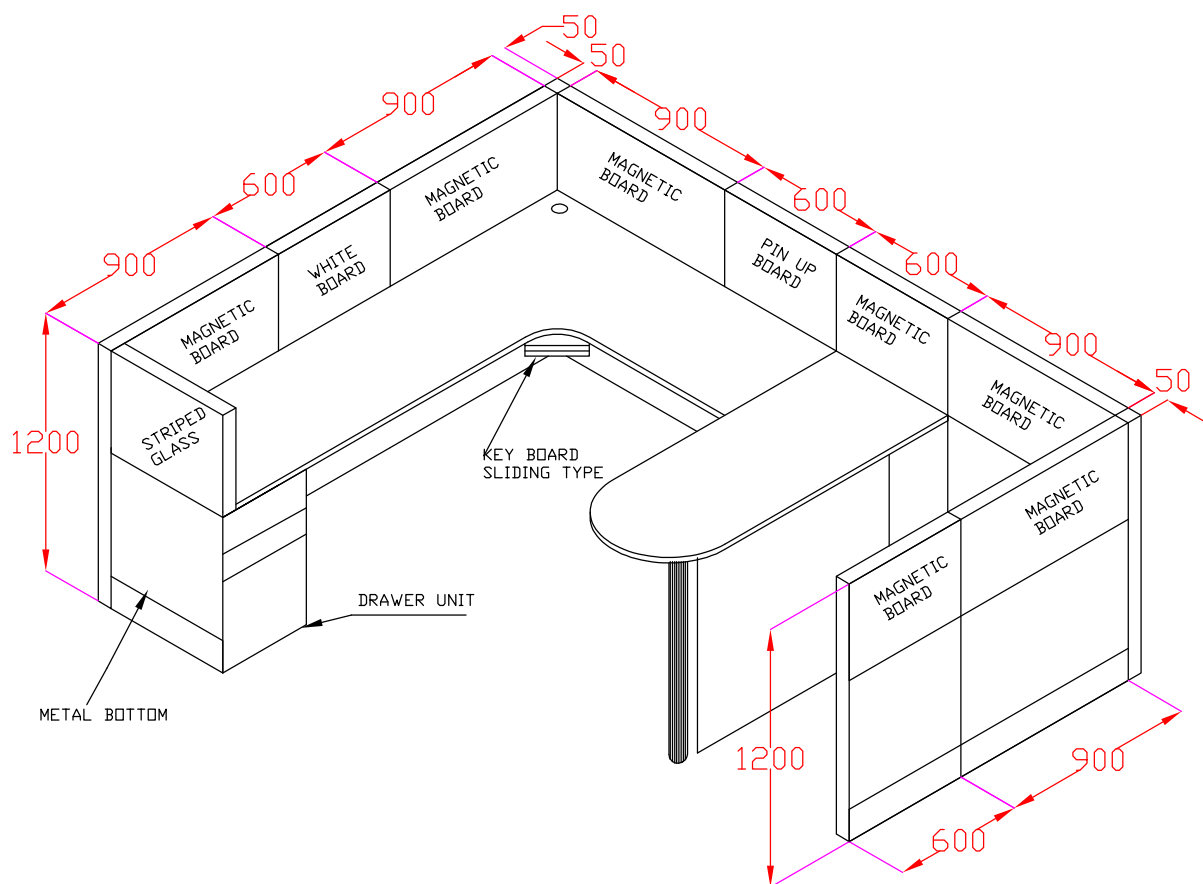
SKETCH-04

12.05.2010





PLAN VIEW OF WORK STATION TYPE-V

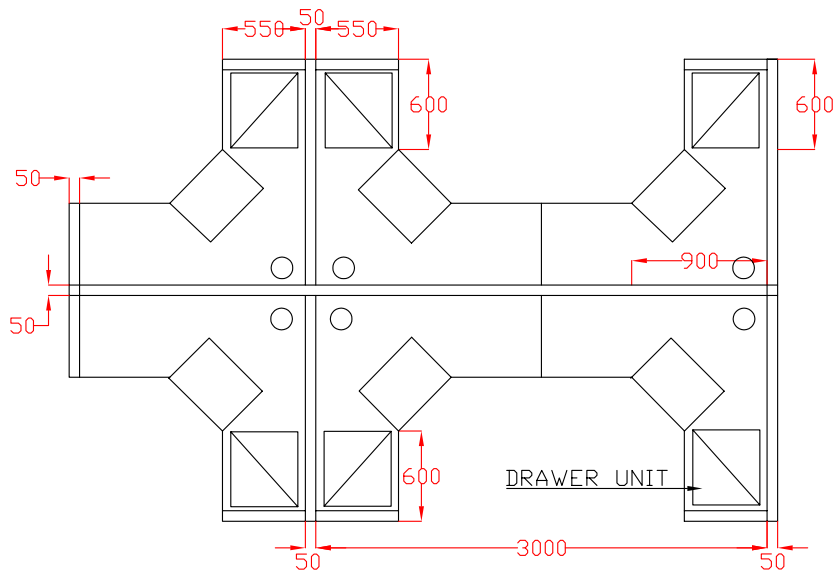


ISOMETRIC VIEW OF WORK STATION TYPE-V

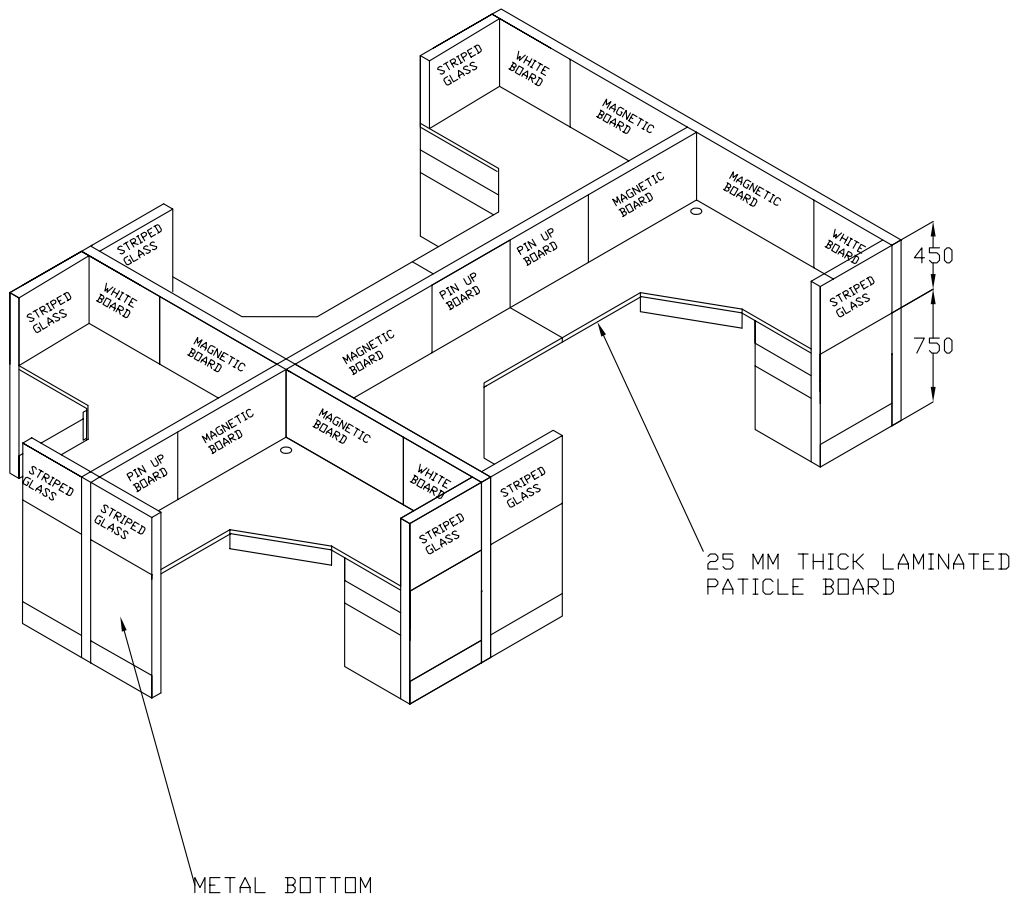


**Bharat Heavy Electricals Ltd**  
MANAGEMENT SERVICES  
TIRUCHIRAPALLI-620 014

DRAWN	S.ANAND/ASST.ENG G III	
CHECKED	G.MADURAMANI/MGR	
APPROVED	K.S.SWAMINATHAN/SDGM	
DATE:10/08/2009	SCALE:NTS	DRG NO:MS:RP:209:MWS:M 05



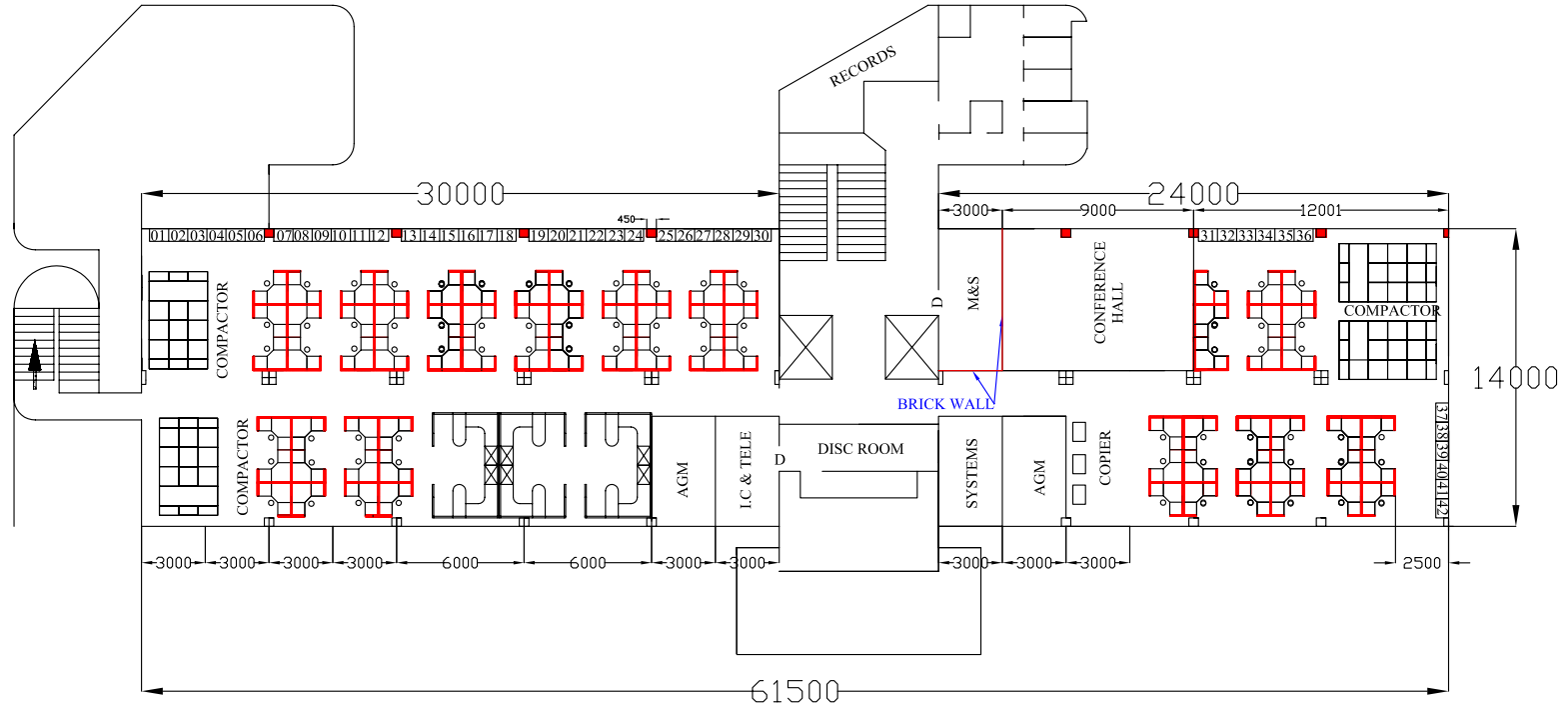
PLAN VIEW OF 6 SEATER WORK STATION



ISOMETRIC VIEW OF 6 SEATER WORK STATION


<b>Bharat Heavy Electricals Ltd</b> <b>MANAGEMENT SERVICES</b> <small>TIRUCHIRAPALLI-620 014</small>		
DRAWN	S.ANAND/ASST.ENGG III	
CHECKED	G.MADURAMANI/MGR	
APPROVED	K.S.SWAMINATHAN/SDGM	
DATE:08/09/2009	SCALE:NTS	DRG NO:MS:RP:209:MWS:M 08

# PROPOSED MODULAR WORKSTATION FOR 3RD FLOOR/BLDG 79



NO OF SEATS	STAFF	DGM/SDGM	AGM	TRAINEES	TOTAL
	75	06	02	42	125

MODULAR SIZE= 1500mm x1500mm x 1200mm  
 SR EXECUTIVE'S MODULAR SIZE =3000mm x 2400mm x 1200mm  
 ALL DIMENSIONS ARE IN mm

 <b>Bharat Heavy Electricals Ltd</b> MANAGEMENT SERVICES TIRUCHIRAPALLI-620 014		
DRAWN	S.ANAND/ASST ENGG III	
CHECKED	G.MADURAMANI/MGR	
APPROVED	K.S.SWAMINATHAN/SDGM	
DATE:17/03/2010	SCALE: 1:1	DRG NO:MS:RP:79:3F/R1