



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT / CAPITAL EQUIPMENT

An ISO 9001
Company

ENQUIRY

Phone: +91 431 257 79 38
Fax : +91 431 252 07 19
Email : tvenkat@bheltry.co.in
Web : www.bhel.com

	Enquiry Number: 2621200083	Enquiry Date: 21.09.2012	Due date for submission of quotation: 25.10.2012
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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 for Staff upto SM Level-1500mm X 1500mm X 1200mm height as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	208 Nos.
20	Cabin type workstations for DGM/SDGMs - 3000mm X 2400mm X 1200mm height as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	20 Nos.
30	Workstation for ED's Secretariat - 1500mm X 1500mm X 1050mm height as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	2 Nos.
40	Workstation for Trainees as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	30 Nos.

Important points to be taken care during submission of offer:

1. Material shall be delivered to
Indigenous Vendors:
FOR, BHEL, Stores
Power Plant Piping Unit
Thirumayam



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

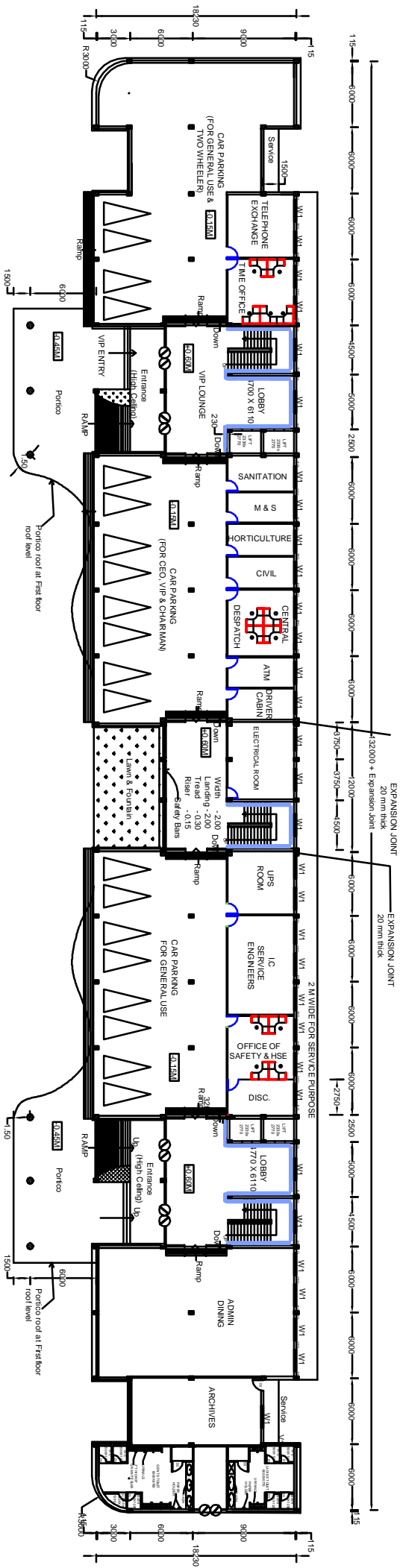
Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT / CAPITAL EQUIPMENT

An ISO 9001
Company

Item	Description	Quantity
	<p>Pudukkottai Dist.</p> <ol style="list-style-type: none">2. EMD for this Tender will be (INR) : 1,50,000.003. Delivery required 1 month from the date of purchase order.4. Offer shall be evaluated all the four items (Sl.Nos.10, 20, 30 & 40) as a Single Package (over all L1 basis). Hence, all the four items should be quoted without fail any, otherwise your offer will not be considered.5. Check-list to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.6. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media <p>BHEL's General guidelines / instructions including bank guarantee formats and list of consortium banks, Commercial terms check-list can be downloaded from BHEL web site http://www.bhel.com or from the Government tender website http://tenders.gov.in (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference "2621200083".</p>	
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		Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED Sr.Manager / Capital Equipment / MM

PROPOSED MODULAR LAYOUT IN GROUND FLOOR OF ADMIN BLDG /PPPU



NO OF SEATS	STAFF				TOTAL
	STAFF	DGM/SDGM	AGM	GM	
13	-	-	-	-	13

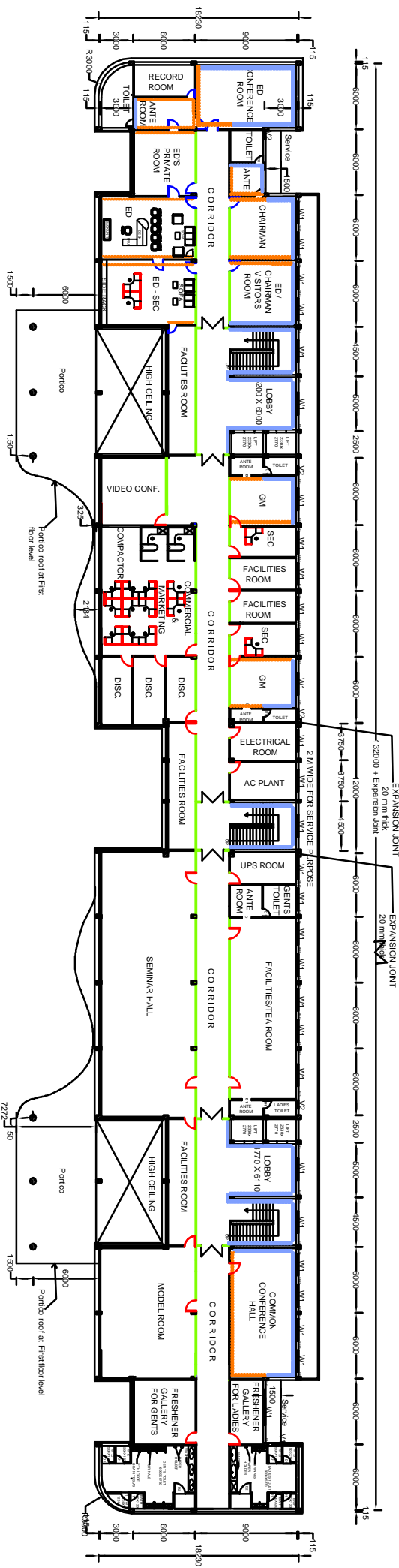
- FULL HEIGHT GLASS PARTITION
- HALF HEIGHT GLASS PARTITION
- FULL HEIGHT GLASS DOOR WITHOUT ACCESS CONTROL - 1000 x 2130
- FULL HEIGHT GLASS DOOR WITH ACCESS CONTROL - 1000 x 2130
- HALF HEIGHT GLASS DOOR WITHOUT ACCESS CONTROL - 1000 x 1000
- HALF HEIGHT GLASS DOOR WITH ACCESS CONTROL - 1000 x 1000
- DRYWALL PARTITION WITH GLASS WOOL
- DRYWALL PARTITION WITH OUT GLASS WOOL
- DRYWALL PARTITION WOODEN FINISH
- WALL PANELING

MODULAR SIZE= 1500mm x1500mm x 1200mm
 SR EXECUTIVES: MODULAR SIZE=3000mm x 2400mm x 1200mm
 ALL DIMENSIONS ARE IN mm

NOTE:
 MS Layouts indicate location feasibility only. Any other clearance /approval required for legal /statutory ,etc. compliances need to be taken separately.

Bharat Heavy Electricals Ltd	
MANAGEMENT SERVICES	
TRUONGKHAU-480 014	
DRAWN	S.SANAND/ASST ENGG I
CHECKED	G.MADHURAMAN/ISM
APPROVED	M.P.BALASUBRAHMANIAN/AGM
DATE:07.09.2012	SCALE: 1:1
DRG NO:MS:RP:PPPU:ADMIN:GF/R3	

PROPOSED MODULAR LAYOUT IN FIRST FLOOR OF ADMIN BLDG /PPPU



NO OF SEATS	STAFF				TOTAL
	DGM/SDGM	GM	ED	TRAINEES	
15	02	02	01	-	20

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

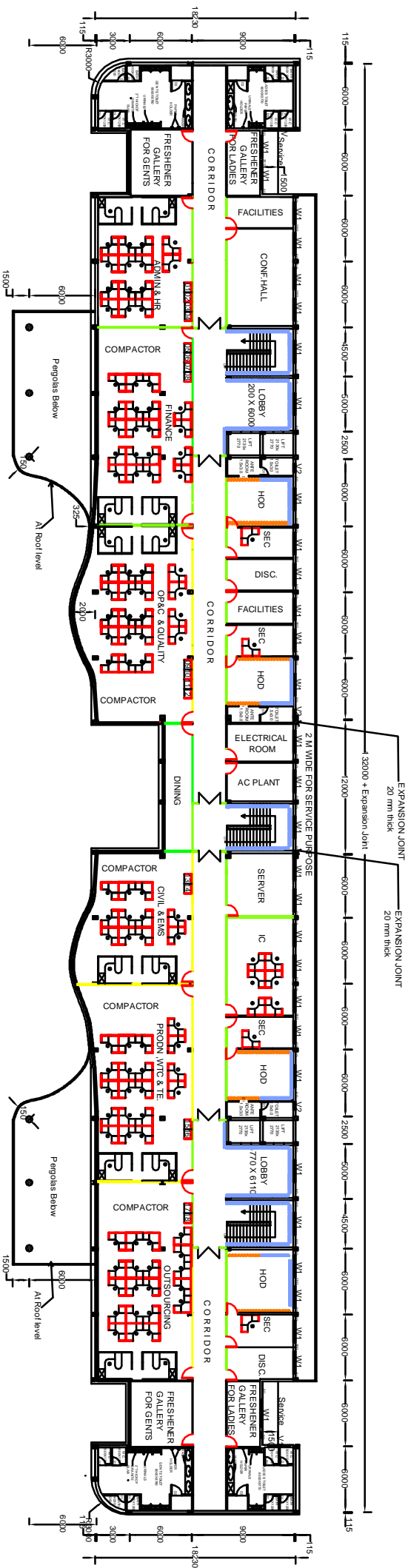
- FULL HEIGHT GLASS PARTITION
- HALF HEIGHT GLASS PARTITION
- FULL HEIGHT GLASS DOOR WITHOUT ACCESS CONTROL - 1000 x 2100
- FULL HEIGHT GLASS DOOR WITH ACCESS CONTROL - 1000 x 2100
- HALF HEIGHT GLASS DOOR WITHOUT ACCESS CONTROL - 1000 x 1000
- HALF HEIGHT GLASS DOOR WITH ACCESS CONTROL - 1000 x 1000
- DRYWALL PARTITION WITH GLASS WOOL
- DRYWALL PARTITION WITH OUT GLASS WOOL
- DRYWALL PARTITION WOODEN FINISH
- WALL PANELING

NOTE:

MS Layouts indicate location feasibility only. Any other clearance /approval required for legal /statutory , etc: compliances need to be taken separately.

Bharti Heavy Electricis Ltd	
MANAGEMENT SERVICES	
THIRUCHIRAPPALLI-620 014	
DRAWN	S.ANAND/ASST ENGG I
CHECKED	G.MADHURAM/AN/SM
APPROVED	M.P.BALASUBRAHAM/ANYAN/AGM
DATE:07/09/2012	SCALE: 1:1
DRG NO:MS:RP:PPPU:ADMN:FF/33	

PROPOSED MODULAR LAYOUT IN 2nd FLOOR OF ADMIN BLDG /PPPU




NO OF SEATS	STAFF	DGM/SDGM	AGM	GM	TRAINEES	TOTAL
	112	12	04	-	18	146

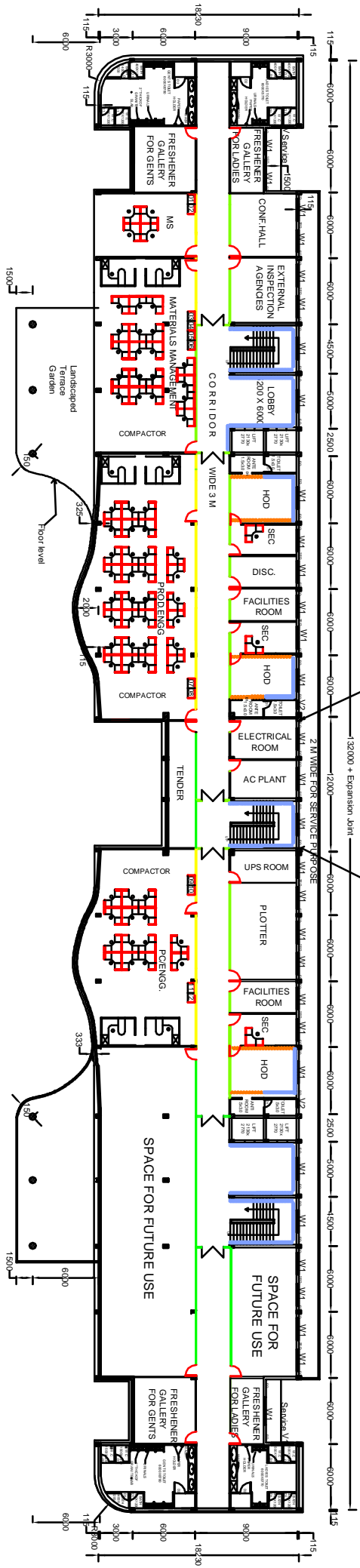
- FULL HEIGHT GLASS PARTITION
- HALF HEIGHT GLASS PARTITION
- FULL HEIGHT GLASS DOOR WITHOUT ACCESS CONTROL - 1000 x 2190
- FULL HEIGHT GLASS DOOR WITH ACCESS CONTROL - 1000 x 2190
- HALF HEIGHT GLASS DOOR WITHOUT ACCESS CONTROL - 1000 x 1000
- HALF HEIGHT GLASS DOOR WITH ACCESS CONTROL - 1000 x 1000
- DRYWALL PARTITION WITH GLASS WOOL
- DRYWALL PARTITION WITH OUT GLASS WOOL
- DRYWALL PARTITION WOODEN FINISH
- WALL PANELING

MODULAR SIZE = 1500mm x 1500mm x 1200mm
 SR EXECUTIVES MODULAR SIZE = 3000mm x 2400mm x 1200mm
 ALL DIMENSIONS ARE IN MM

NOTE:
 MS Layouts indicate location feasibility only. Any other clearance /approval required for legal /statutory , etc. compliances need to be taken separately.

 Bharat Heavy Electricals Ltd MANAGEMENT SERVICES TROUSHERPALLI-620 014	DRAWN	SANAND/ASST ENGGI
	CHECKED	G.MADHURAMANISIM
	APPROVED	M.P.BALASUBRAHMANNYAN/AGM
	DATE: 07.09.2012	SCALE: 1:1

PROPOSED MODULAR LAYOUT IN 3rd FLOOR OF ADMIN BLDG /PPPU



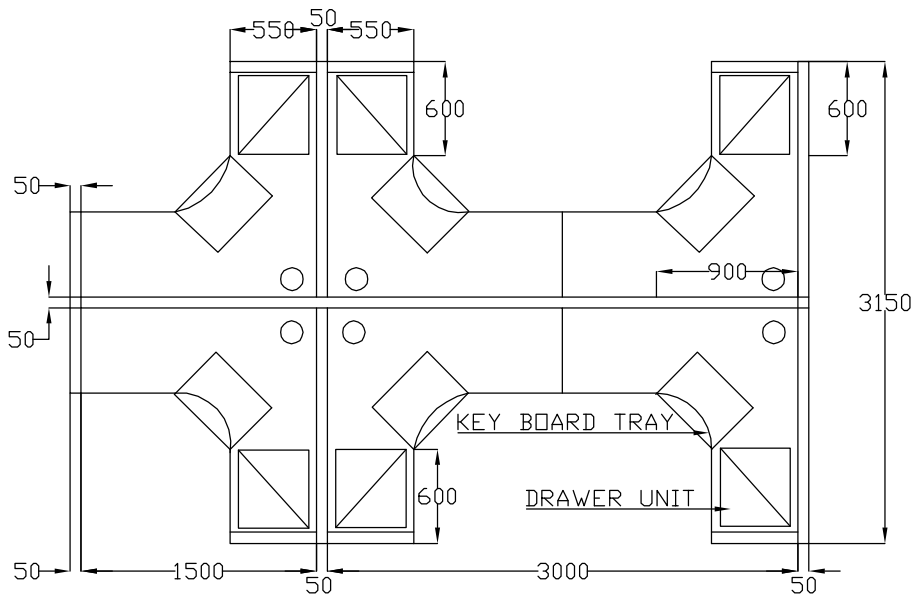
NO OF SEATS	STAFF	DGM/SDGM	AGM	GM	TRAINEES	TOTAL
	70	06	03	-	12	91

- FULL HEIGHT GLASS PARTITION
- HALF HEIGHT GLASS PARTITION
- FULL HEIGHT GLASS DOOR WITHOUT ACCESS CONTROL - 1000x2130
- FULL HEIGHT GLASS DOOR WITH ACCESS CONTROL - 1000x2130
- HALF HEIGHT GLASS DOOR WITHOUT ACCESS CONTROL - 1000x1000
- HALF HEIGHT GLASS DOOR WITH ACCESS CONTROL - 1000x1000
- DRYWALL PARTITION WITH GLASS WOOL
- DRYWALL PARTITION WITHOUT GLASS WOOL
- DRYWALL PARTITION WOODEN FINISH
- WALL PANELING

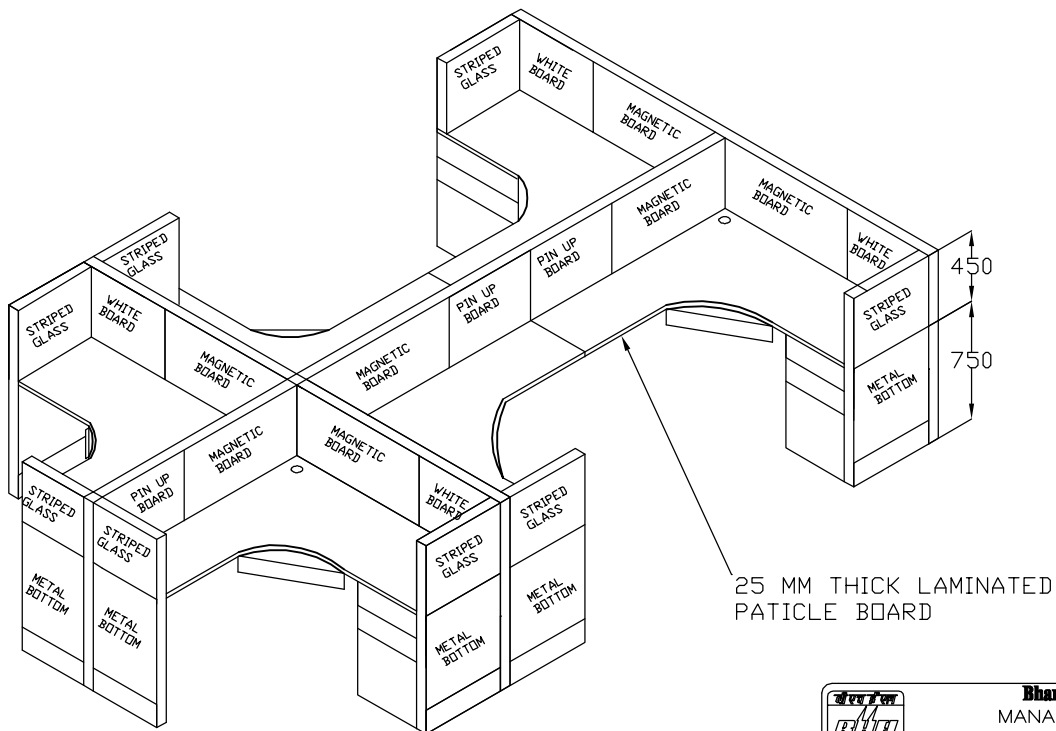
MODULAR SIZE= 1500mm x 1500mm x 1200mm
 SR EXECUTIVES MODULAR SIZE = 3000mm x 2400mm x 1200mm
 ALL DIMENSIONS ARE IN mm

NOTE:
 MS Layouts indicate location feasibility only. Any other clearance/approval required for legal /statutory ,etc. compliances need to be taken separately.


Bharti Heavy Electricals Ltd MANAGEMENT SERVICES TRICORPALLI-620 014	
DRAWN	S.ANAND/ASST ENGG I
CHECKED	G.MADHURAMANI/SM
APPROVED	M.P. BALASUBRAHMANYAN/AGM
DATE: 07.08.2012	SCALE: 1:1
DRG. NO.: MS:RP:PPPU:ADMN:3F/733	

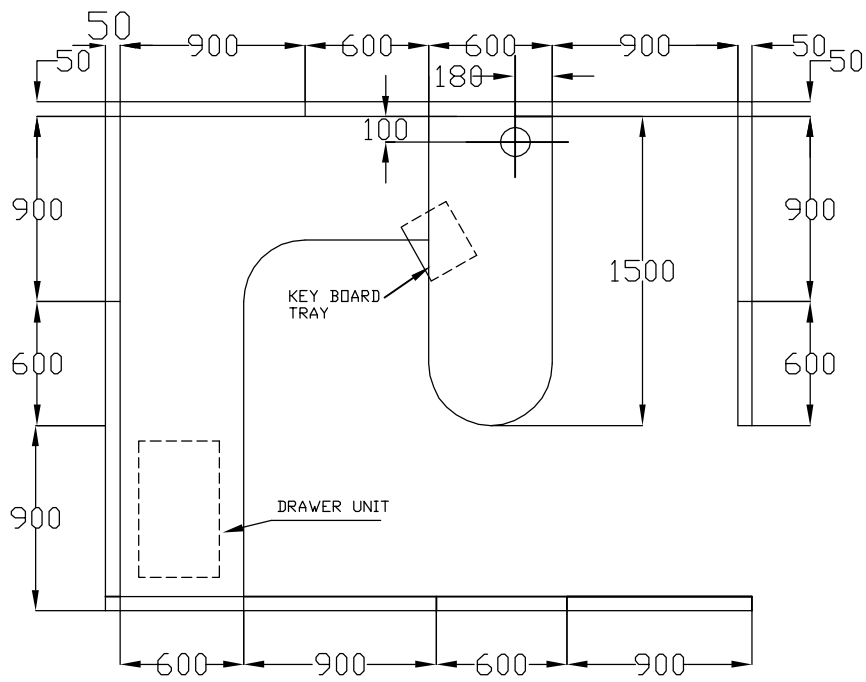


PLAN VIEW OF 6 SEATER WORK STATION

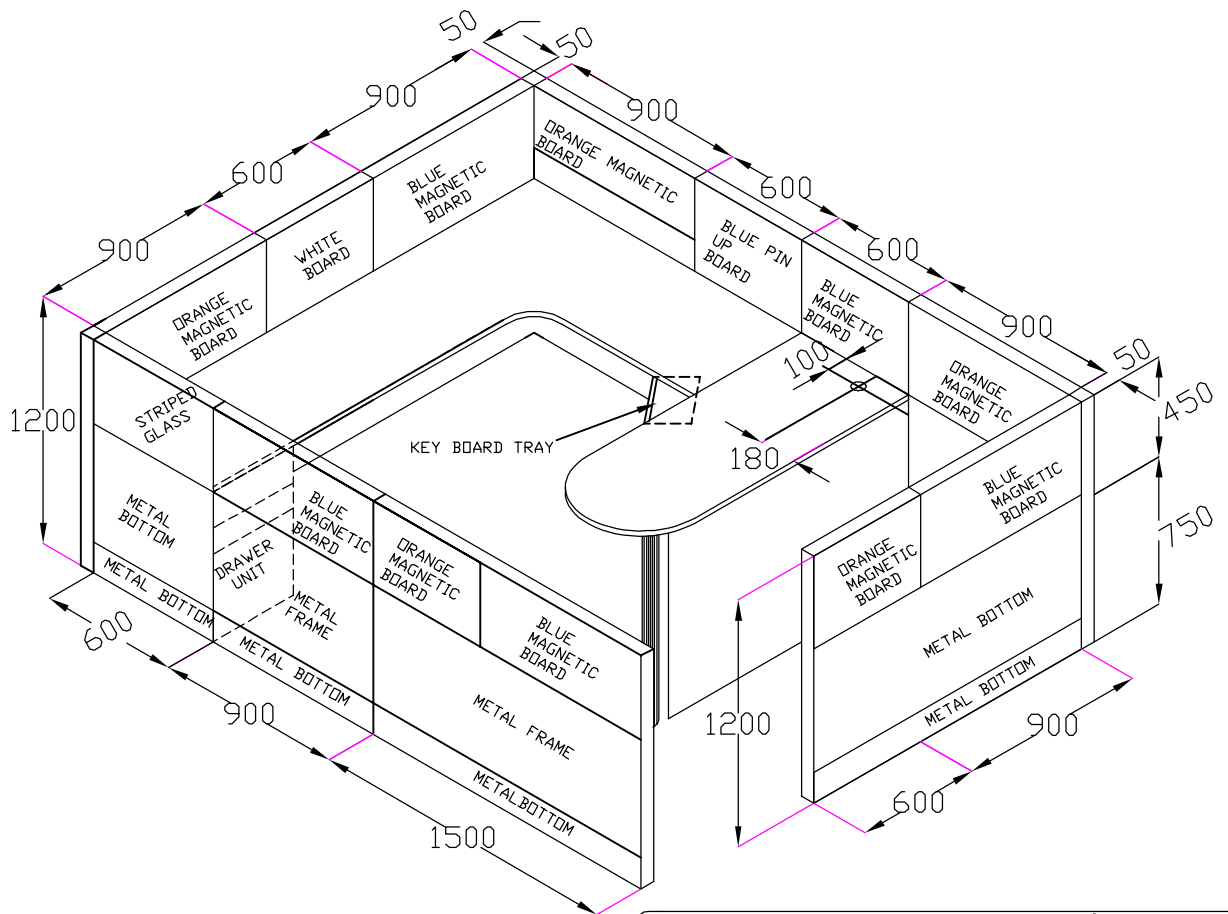


ISOMETRIC VIEW OF 6 SEATER WORK STATION

 Bharat Heavy Electricals Ltd MANAGEMENT SERVICES <small>TIRUCHIRAPALLI-620 014</small>		
DRAWN	S.ANAND/ASST.ENGG I	
CHECKED	G.MADHURAMANI/SM	
APPROVED	M.P.BALASUBRAHMANYAN/AGM	
DATE:10.08.2012	SCALE:NTS	DRG NO:MS:RP:209:MWS:M10



PLAN VIEW OF WORK STATION



ISOMETRIC VIEW OF WORK STATION



Bharat Heavy Electricals Ltd
MANAGEMENT SERVICES

TIRUCHIRAPALLI-620 014

DRAWN	S.ANAND/ASST.ENGG I	
CHECKED	G.MADHURAMANI/SM	
APPROVED	M.P.BALASUBRAHMANYAN/AGM	
DATE:10/08/2012	SCALE:NTS	DRG NO:MS:RP:209:MWS:M09

PART A

MODULAR TYPE WORKSTATIONS

SECTION – I : QUALIFYING CRITERIA

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

Sl. No.	REQUIREMENTS	VENDOR's RESPONSE
1.0	Only those vendors (OEMs), 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 SECTION – IV .	
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.	
2.0	Facilities and registration of OEM	
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 – II

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

Sl. No.	REQUIREMENTS	VENDOR's RESPONSE
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, Thirumayam	

SECTION – III

The BIDDER to note:

Sl. No.	PARTICULARS	VENDOR'S RESPONSE
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 Specifications demanded by BHEL and Offer Details submitted by the Bidder , 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

Sl. No	Thrust Area	Score	Remarks
I	NATURE OF COMPANY	20	
	Public Limited	20	
	Private Limited/Partnership Firm	10	
	Sole Proprietor	5	
II	Similar Experience (supply & commissioning of total number of workstations in the last three years)	30	
	More than 10001 seats	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	
III	Average Annual Turnover in last 3 financial years	20	
	More than Rs. 5.00 crores	20	
	From Rs. 2.00 to Rs. 5.00 crores	10	
	Less than Rs. 2.00 crores	0	
IV	Facilities and registration of OEM	20	
	ISO 9001-2008	5	
	ISO 14001-2004	5	
	OHSAS 18000-2007	5	
	Test Facilities as per BIFMA	5	
V	Dealer / Service Network	10	
	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.

BHEL : TRICHY-14
SPECIFICATION FOR WORKSTATIONS IN ADMIN BLDG OF PPPU/THIRUMAYAM

The scope of this work will be manufacturing, supply and erection of work stations (1500mm x 1500mm x 1200mm height for 208 persons, 1500mm x 1500mm x 1050mm height for 2 persons and 3000mm x 2400mm x 1200mm height for 20 persons) at Administrative Bldg. of PPPU, Thirumayam, Pudukkottai-D.T., Tamilnadu.

The general arrangement of workstation shall be as per the following drawing numbers:

- (1) MS:RP:PPPU:ADMN:GF/R3, (2) MS:RP:PPPU:ADMN:FF/R3,
(3) MS:RP:PPPU:ADMN:2F/R3, (4) MS:RP:PPPU:ADMN:3F/R3,
(5) MS:RP:209:MWS:M 09 and (6) MS:RP: 209:MWS:M 10

For 30 No. of trainee workstations, general arrangements will be finalized based on the offers received from various vendors. Finalised model will be communicated to all vendors before price bid opening. For 2 Nos. of 1500mm x 1500mm x 1050mm height workstations, general arrangements may be in line with drawing number: MS:RP:209:MWS:M 10. Instead of 1200mm height, 1050mm height is preferred.

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.

contd...2

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 conforming 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.

:3:

Keyboard Tray:

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. The CPU Trolley shall be able to hold CPU with 10 cm width (slim type)

Storage

Mobile 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, pencil tray, 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. 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 provide other smaller type workstations available in their range of production meant for trainees (900mm width x 600mm depth) with wire management system for further processing at BHEL end.