

BHARAT HEAVY ELECTRICALS LIMITED,
 (A Government of India Enterprises)
 Heavy Plates & Vessels Plant
 Visakhapatnam – 530 012 INDIA.
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NOTICE INVITING TENDER (NIT)

**Category of Tender: TWO BID
 (PRICED + UN - PRICED)**

**SUB: Requirement of Modular Furniture including
 flooring, electrical and other auxiliary works
 for offices, conference halls**

Our Ref: **MM/2/10/4092/CAP/W-102/5102**

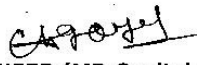
DATE: 12.08.2015

Sealed quotations in duplicate are invited from suppliers for initial technical bid on or before **03.09.2015**
SUPERSCRIBING OUR REFERENCE AND CATEGORY OF TENDER on the cover.

LATE TENDERS ARE NOT ACCEPTABLE.

ITEM No.	DESCRIPTION / SPECN. / SIZE	QTY
1.	Requirement of Modular Furniture including flooring, electrical and other auxiliary works for offices, conference halls	LOT
	<p>Encl:</p> <p>1. Qualifying Criteria PART A 5 pages 2. Technical Specifications PART B 5 Pages 3. ANEXURE -I 3 Pages 4. ANEXURE -II 1 Pages 5. Drawings 7 Pages 6. Special Provision for Micro and Small Enterprises (MSE) 2 Pages 7. General Terms/ commercial terms and conditions 8 Pages (INCLUDING CHECK LIST)</p>	

For BHARAT HEAVY ELECTRICALS LIMITED,


ENGINEER (MP-Capital Items)
 CHIRAG GOEL
 Engineer (MP-Cape)
 Bharat Heavy Electricals Ltd.
 HPVP, VISAKHAPATNAM-530 012

PART A

MODULAR TYPE WORKSTATION

SECTION -1: 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 including flooring, electrical and other auxiliary works to reputed manufacturing / service organization in the past three years	
	The vendor should submit following information where similar type of 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 certificated from the customer for the satisfactory performance of the workstations supplied to them. For obtaining the Performance certificated, a suggestive format is provided in SECTION – IV.	
1.11	BHEL - HPVP 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 (Any one of the following)	
a	ISO-9001-2008	
b	ISO-14001-2004	
c	OHASAS-1800-2007	
2.1	Certification form BIFMA. The manufacturer should have in house facility for testing products as per BIFMA derived guidelines.	
2.2	Computerized controlled through feed multi station edge preparation machine with gluing and cutting for, flush trimming, scrapping and butting.	
2.3	Computer controlled press brake for sheet metal bending.	
2.4	Converised powder coating plant with baking oven and powder applications.	
2.5	In the event of non availability of facilities mentioned under point number 2.2, 2.3and 2.4 the offer will not be considered by BHEL - HPVP.	

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 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 Andhra Pradesh.	
4.0	Name and address of nearest office / branch covering BHEL - HPVP, Visakhapatnam.	

SECTION –III

The BIDDER to note:

SI.No	PARTICULARS	VENDOR'S RESPONSE
1.0	The BIDDER / VENDOR shall submit the offer in TWO PARTS. 1. Technical Officer [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 - HPVP 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.	

SECION -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	
4. Month & Year of Commissioning	
5. Area of application (Strike off whichever is not applicable)	Software Development Centre /Call Centre/ Design Office/ General Office
6. Performance of the workstations (Strike off whichever is not applicable)	Satisfactory /Good/Average/Not Satisfactory
7. After sales service (Strike off whichever is not applicable)	Satisfactory /Good/Average/Not Satisfactory
8. Any Other remarks	
Date:	
Signature & Seal of the Authority Issuing the Performance Certificate	

BHARAT HEAVY ELECTRICALS LTD., HPVP UNIT, VISAKHAPATNAM-530012.

Name of work: Supply and commissioning of modular type workstations to BHEL - HPVP

Sl.No	Thrust Area	Score	Remarks
I	NATURE OF COMPANY	20	
	Public Limited	20	
	Private Limited /Partnership Fir	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	30	
	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 150km	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

TECHNICAL SPECIFICATION (PART – B)

Heavy Plate and Vessels Plant (HPVP) unit is one of the units of BHEL, located at Visakhapatnam. The company intends to improvise the facilities available in some of their existing buildings under Modernisation Scheme.

As a part of this, it is proposed to replace the existing flooring with Vitrified Ceramic tiles and also to provide with the Modular furniture in the following existing buildings:

- Engineering Building- All floors including toilets.
- Administration Building (Only Conference hall as marked in the drawing)

The brief scope of work to be carried out under this tender, in the above mentioned buildings is as follows:

1. Cleaning & preparation of existing Mosaic flooring, suitable to fix the verified tile flooring.
2. Laying of Vitrified tiled flooring, with chemical Adhesive / gum as per building/ indian standards and as per the direction of Engineer-in-charge.
 - 2a. Chipping of groove in flooring, wherever required to fix the communication cable channels with Anchors, supply and fixing steel channels within the floor, wherever required for running cables.
3. While laying the new flooring, necessary recesses/ Channels with Anchors are to be provided for running power cables, data cables, communication cables. providing recesses & channels are in the scope of vendor.
4. All the power, communication cables, gang/ junction boxes, sockets, switches, MCBs are in the scope of work. The details of cables, gang/ junction boxes, sockets, switches, MCBs are given in a separate schedule attached to the tender.
5. Providing Modular furniture / partitions as per the approved drgs.
6. Finishing all the works to make the modular office functional.
7. Dismantling of Wooden / Aluminum Partitions, where ever required.
8. Construction of New Aluminum glazed partitions/ wooden partitions, where ever required.

Engineering building is having 3 floors and all the floors are presently occupied. The work is to be carried out in phased manner in all the floors viz., the areas will be handed over in number of phases, shifting the existing offices, one by one. Once, in a particular area's work is completed, the other area will be handed over. Hence the vendor has to plan the work accordingly.

METHODOLOGY OF TENDER:

The vendors who would like to participate in this tender should inform their willingness for participation in the tender along with the technical bid by a scheduled date given elsewhere in this tender. They have to attend for a pre – bid meeting, the date and time of which will be intimated to the vendor.

Broad, tentative plans of each floor of the buildings, showing the modular furniture are enclosed with the tender. However, it is essential that vendor should examine the areas available vis a vis arrangement suggested. The vendors can come up with a alternative arrangement. These will be discussed during the pre-bid meeting with all vendors and the final arrangement decided will be intimated to all the vendors.

MODULAR FURNITURE (Part B)

Page 2 of 5

Subsequent to the pre-bid meeting, the vendors are to submit their bids according to the finalised scope and they shall submit the same in two – bid system technical & commercial bids separately.

The scope of work mainly comprises of

a. Civil work:

As already explained in the scope of work, the existing flooring in all floors of the buildings are to be properly cleaned and prepared to accept the adhesive, and then the flooring for the floor area is to be fixed with the 600 x 600 mm glazed vitrified tiles with a suitable glu / chemical compound to stick to the existing flooring as per the instructions of the Engineer-in-charge to the required slopes. The joints are to be properly treated. While laying the new flooring, necessary recesses/ Channels are to be provided for running power cables, data cables and communication cables. All the above mentioned cables including junction boxes, providing recesses & channels are in the scope of vendor. The channels shall be covered with proper covers after laying the cables.

b. Electrical & communication work:

Each of the person for whom the modular furniture provided is to be provided with a number of incoming points viz., the telephone line, data line, electrical lines with power plug points of 3 nos. for each of the person for their use.

Engineering building is having three floors, wherein the modular furniture and flooring is being done. In Administration building, part of the area in Ground floor is being converted into conference hall area, as indicated in the Floor plans enclosed to the tender. Modular furniture is being provided in Engineering building. As each seat of the modular furniture shall be provided with desktop, telephone and other connections, necessary cabling and other fixtures are in the scope of vendor. For running the cable, it is proposed to run the channels embedded in the floor, the embedment detail (sketch Drg. No. CRST-MOD-M&CI-A-003) Is enclosed, which is in the scope of vendor.

While laying the flooring, channels are to be embedded, wherever necessary, in the floor, as per the instructions of the engineer-in-charge. This will be generally along the length of the floor and width of the floor. Necessary, electrical and communication cables are to be laid in this channel. Then the channel is to be covered with a CS plate and then the flooring tile is to be laid over it. Junction boxes are to be provided over the channel at suitable intervals, such that maintenance is possible for the cables laid in the embedded channel.

Necessary cables, switches, sockets in required nos for each of the seats in modular office, junction boxes, MCBs etc are in the scope of vendor. Connection and commissioning of these items are also included in the vendor's scope. The details of requirements viz., cables, switches, sockets, junction boxes, MCBs etc., are given in the enclosed annexure.

c. Modular furniture work:

The scope of this work will be manufacturing, supply and erection of work stations at Engineering Building at HPVP, Visakhapatnam, Andhra Pradesh. (Schedule of Quantity is enclosed at Annexure – I)

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

- (1) CRST- MOD- M&CI-A-001,
- (2) CRST- MOD- M&CI-002 Sht 1of 3,

- (3) CRSR- MOD- M&CI -A-002 Sht 2of 3,
- (4) CRSR- MOD- M&CI -A-002 Sht 3of 3
- (5) MS:RP:209:MWS:M 09
- (6) MS:RP: 209:MWS:M 10
- (7) MS:RP: 209:MWS:M 11

For 36 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 3 Nos. of 1500mm x 1500mm x 1200mm height workstations, general arrangements may be in line with drawing number: MS:RP:209:MWS:M 10.

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 prelaminated 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.

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, in case 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

MODULAR FURNITURE (Part B)

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Power, Data and Voice works shall be provided by Vendor and for which suitable cuttings are also 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 HPVP to be indicated by the bidder in their offer . HPVP will provide needed electrical power free of cost. Also HPVP 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 HPVP.
9. Final colour scheme will be approved by HPVP 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 HPVP end.

**SCHEDULE OF QUANTITIES FOR EXECUTION OF MODULAR FURNITURE,
FLOORING & OTHER WORKS.**

ITEM	DESCRIPTION	UNIT	QTY.	Rate	Amount
1.	Dismantling aluminum/ Wooden partitions, doors, windows, fixed glazing including disposal of unserviceable surplus material and stacking of serviceable material with in plant permises lead as directed by Engineer-in-charge.	Sqm.	450		
2.	Dismantling Mosaic work in flooring work and Dado in floors and Dado Old Plastering, C.C/ RCC Floors laid in cement mortar work by Mechanical means without damage to be slab, structure, stacking the material outside the building with lead as directed by Engineer-in-charge.	Sqm.	100		
3.	Providing and fixing anodized aluminum frame work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections of approved make conforming to IS:733 & 1285, fixed with rawl plugs & screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC / neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitered and joined mechanically wherever required including cleat angle, aluminum snap beading for glazing / paneling, C.P brass / stainless steel screws, all complete as per instructions of Engineer-in- charge. (including cost of 6mm thick Glazing and paneling and all fittings etc. complete).	Sqm.	140		
3a)	Same as above but with 8mm thick Etched/ Striped glass in place of 6mm thick glazing.	Sqm.	60		
4	Collecting, modifying dismantled aluminum work for doors, windows, ventilators and partitions to suit the proposed locations, fixed with rawl plugs & screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC / neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitered and joined mechanically wherever required including cleat angle, aluminum snap beading for glazing / paneling, C.P brass / stainless steel screws, all complete as per instructions of Engineer –in - charge. (including cost of 6mm thick Glazing and paneling and all fittings etc. complete)	Sqm.	100		

ITEM	DESCRIPTION	UNIT	QTY.	Rate	Amount
5.	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the contractor) with water absorption less than 0.08% and conforming to IS : 15622 of approved color and shade with approved adhesive, laid on existing mosaic flooring, old surface made ready to receive the vitrified tile flooring as per standard practice and as directed by engineer incharge				
	a. Size of Tile 50x50 cm	Sqm.	200		
	b. Size of Tile 60x60 cm	Sqm.	3500		
6.	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in color, shade except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of Cement Mortar upto 2mtrs height 1:3 (1 Cement : 3 coarse sand) and joining with grey cement slurry @ 3.3Kg per sqm including pointing in white cement mixed with pigment of matching shade and as directed of Engineer-in-charge complete.	Sqm.	450		
6.	Providing and laying antiskid Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the contractor) of 1 st quality conforming to IS : 15622 of approved make in color such as white, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., and directed of Engineer-in-charge complete.	Sqm.	50		
7.	Providing and laying ceramic glazed Dado and skirting risers of steps and walls (up to 2m height) over 8mm thk. Bed of cement mortar 1:3 (1 cement : 3 coarse sand) and joined with grey cement slurry @ 3.3 kg/sqm. Including pointing in white cement mixed with pigment of matching shade complete as directed by Engineer-in-charge.	Sqm.	150		
8	Providing and fixing wooden partitions with wooden frame work and panelling with Pre-laminated medium density fibre board IS:14587:1998 marked, with both sides decorative lamination Grade-I (exterior grade-I MDF Board) 18 mm thick confirming to IS:14587, with screws and fittings wherever required, edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand with all necessary screws, fittings etc., all complete, as per the directions of engineer in-charge.	Sq.M	60		

ITEM	DESCRIPTION	UNIT	QTY.	Rate	Amount
9	Making a recess in the existing flooring to fix the carbon steel channel, for running the communication / power cables, Supply of channel, providing anchors to channel, fixing the channel in the above recess, with cement mortar 1:2 (1 cement: 2 sand), wherever required. The channel thus provided shall have a Aluminium sheet cap over which vitrified tile flooring shall be fixed, complete all as per the directions of engineer – in charge.	RM	300		
10.	Workstation for Staff upto Manager Level-1500mm X 1500mm X 1200mm height as per the technical specification & commercial conditions. Sketch enclosed Drg.No:MS:RP:209:MWS:M10 with one medium size revolving chair for each person.	Nos.	84		
11	Cabin type workstations for Sr.M/DGM - 3000mm X 2400mm X 1200mm height as per the technical specification & commercial conditions with one big size revolving chair and two guest chairs for each station. Sketch enclosed Drg.No:MS:RP:209:MWS:M09	Nos.	15		
12.	Furniture for AGM/GM - 3000mm X 2400mm X 1200mm height as per the technical specification & commercial conditions With one two seater sofa, tea table, back unit one big size revolving chair and three guest chairs for each Person / No. As per sketch enclosed. Drg. No: MS:RP:209:MWS:M11.	Nos.	13		
13.	Workstation for Secretariats - 1500mm X 1500mm X 1050mm height as per the technical specification & commercial conditions with one medium size revolving chair for each person.	Nos.	3		
14.	Workstation for Trainees as per the technical specification & commercial conditions with one chair per person.	Nos.	36		
15.	Discussion Rooms (Table Size 850 mm x 1700 mm and 4 chairs)	Sets	30		
16.	Compactors (Mobile drive – 5 units). As per the specification that is is to be discussed in the pre-bid meeting.	Set	3		
17.	Providing and installing in conference hall, Senate of 24/30 seater with chairs, micro phone at each chair / table and with wire management including amplifier and speaker system	Set	1		

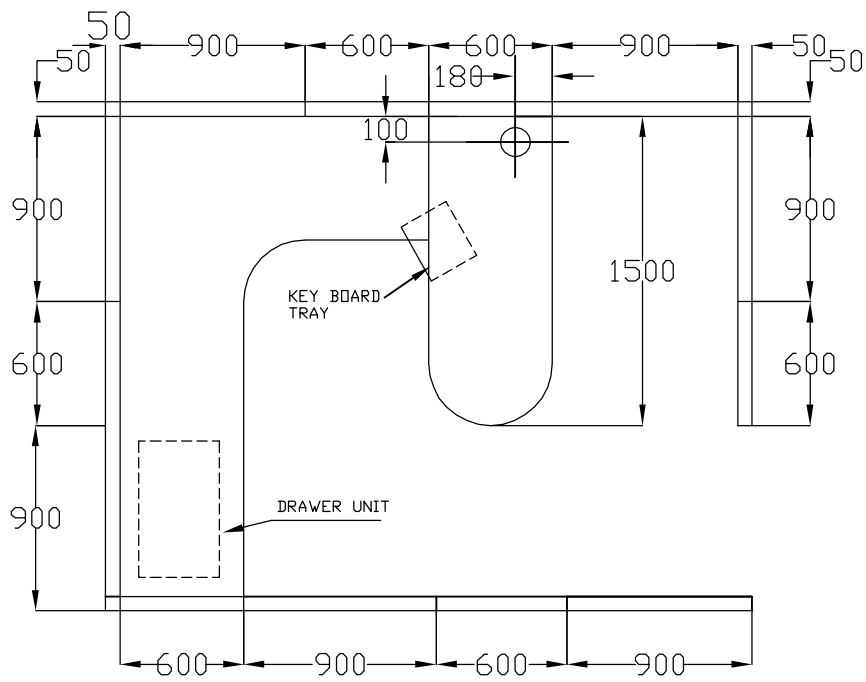
TENTATIVE QUANTITY OF ELECTRICAL ITEMS FOR MODULAR OFFICE FURNITURE

While laying the flooring, the following electrical communication items are to be considered. The items shall be supplied by the vendor. Laying, fixing in the floor / modular furniture is in vendor's scope. All Materials, laying, labour & commissioning is in vendor's scope.

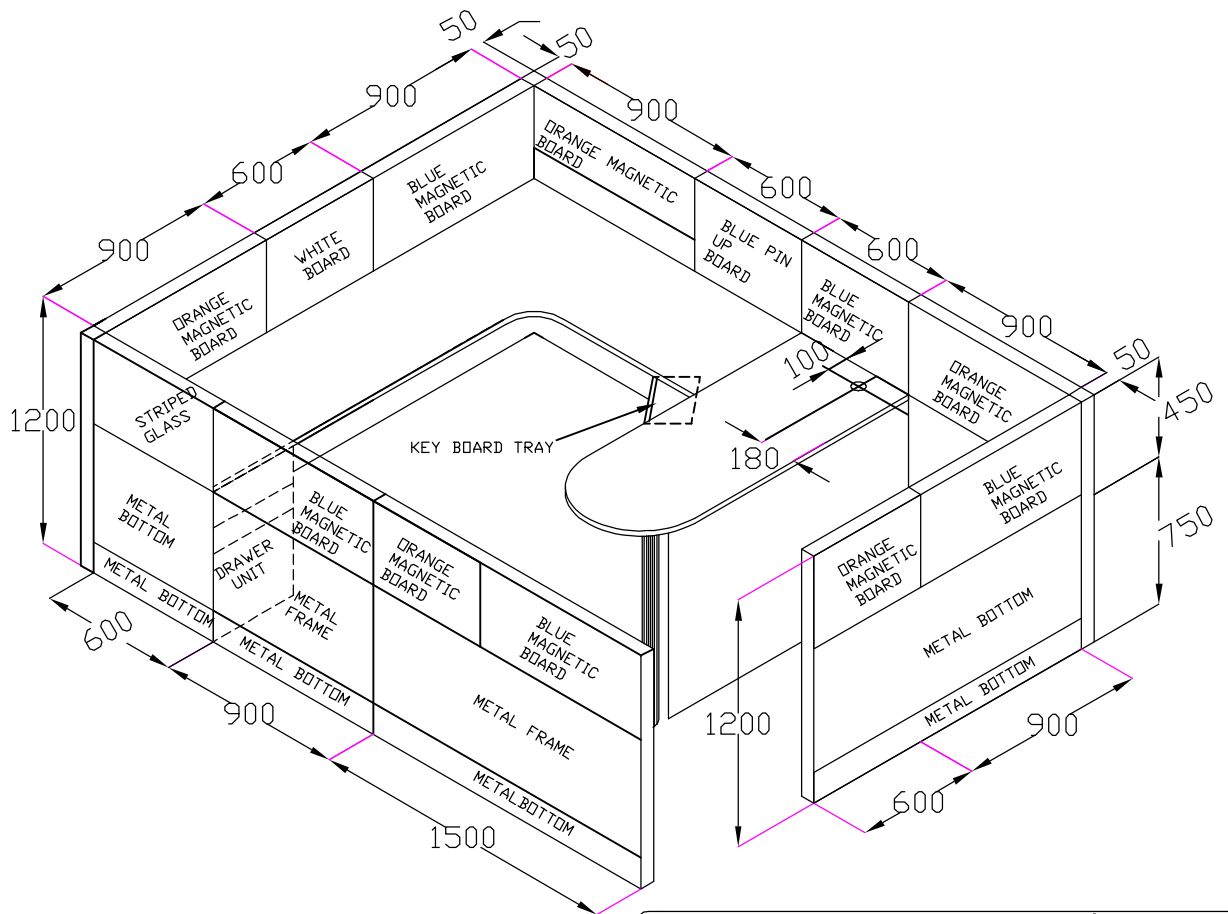
S. No.	Description of item	Quantity	Cost/Unit in Rs	Total cost in Rs
1	No of 5 A sockets Make: Gold Medal/ Anchor/Rama/Havells	375		
2	No of 5 A switches Make: Gold Medal/ Anchor/Rama/Havells	375		
3	No of 15 A switch cum sockets Make: Gold Medal/ Anchor/Rama/Havells	30		
4	No of 4"x 6"gang boxes (3 switches+3 sockets)	150		
5	No of 4"x 8"gang boxes (4 switches+4 sockets)	10		
6	5 pair telephone cable in metres	5000		
7	50 pair telephone cable in metres	300		
8	Telephone splitters	200		
9	25 mm ² x 3.5C copper flexible PVC Cable in meters	200		
10	2.5 mm ² x 3.5C copper flexible PVC Cable in meters	4000		
11	1" Casing & capping in metres	400		
12	Distribution Junction boxes with overload protection (100A MCB) Make: GE/ Siemens/ Havells/ Schneider	4		
13	20A MCB's	25		
14	Erection & Commissioning	LS		
			Total	

REQUIREMENT FOR EACH SEAT/CABINET:

- Each cabinet shall have a telephone point
- Each cabinet shall have 3 Nos. Of 5 A switch cum socket combination
- Eight seats shall have 1 No. Of 15 A switch cum socket combination
- Each eight seats shall have a 20A MCB.
- Power cable from wall to cabinet shall be taken through floor embedded channel under the flooring.
- All coaxial /CAT cables shall be taken to cabinet through separate slot as shown in the drawing No. CRST-MOD-M&CI-A-003. Shall not be mixed with power cables.



PLAN VIEW OF WORK STATION

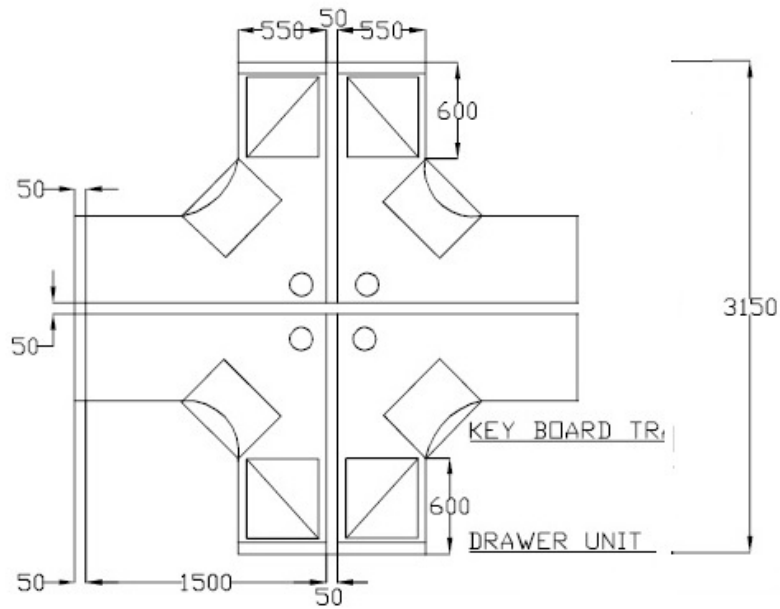


ISOMETRIC VIEW OF WORK STATION

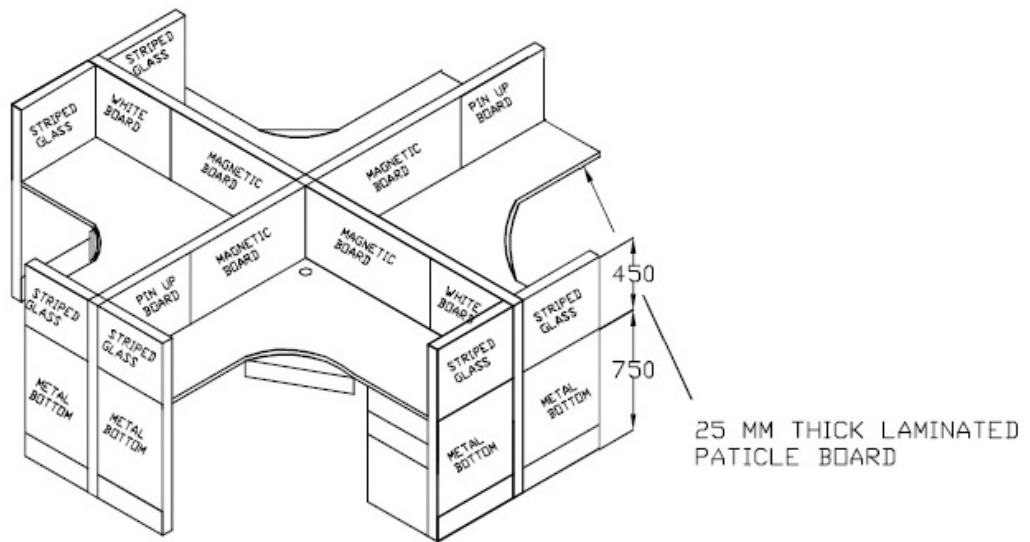


Bharat Heavy Electricals Ltd
MANAGEMENT SERVICES
 TIRUCHIRAPALLI-620 014


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

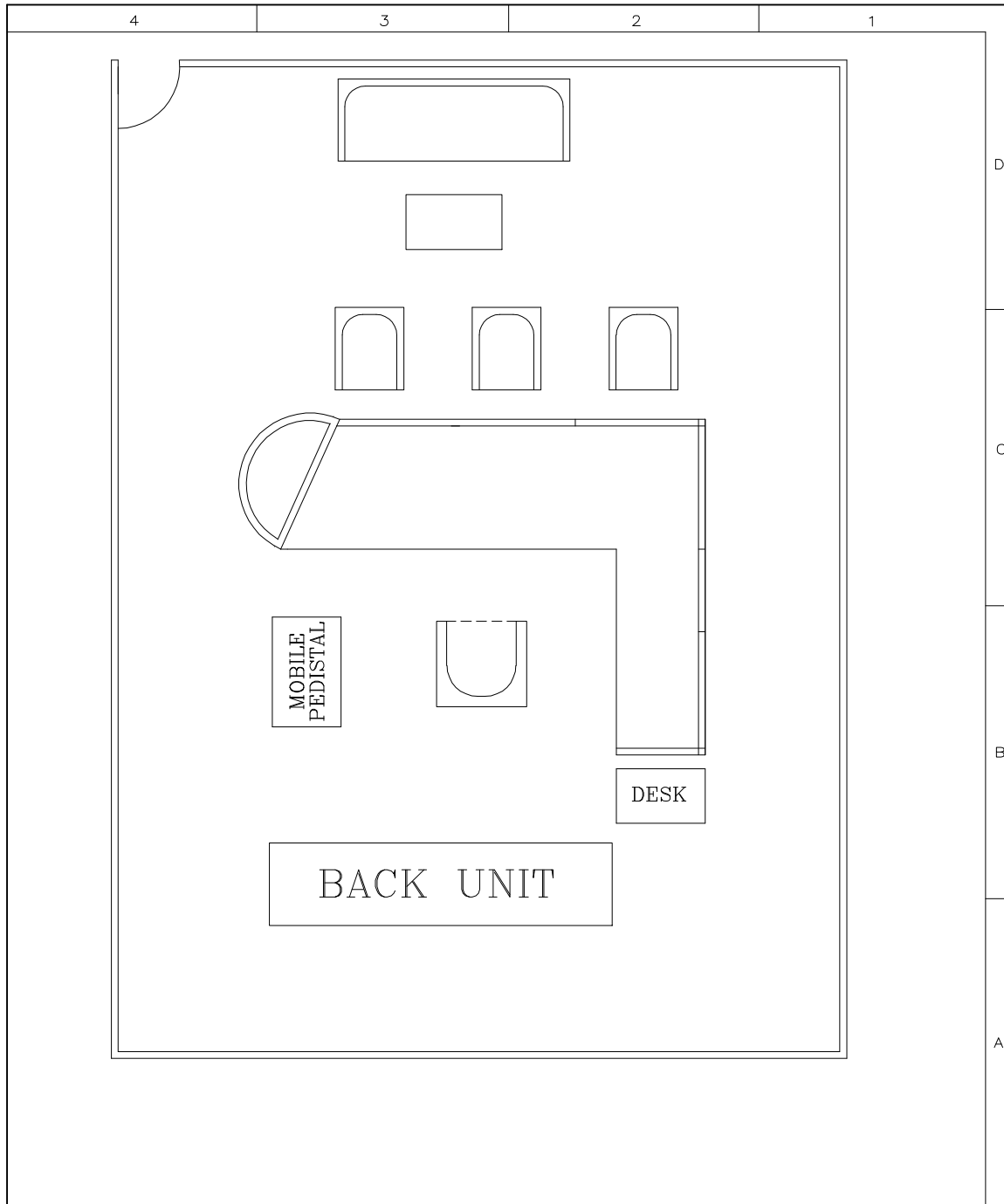


PLAN VIEW OF 4 SEATER WORK STATION



ISOMETRIC VIEW OF 4 SEATER WORK STATION

 Bharat Heavy Electricals Ltd MANAGEMENT SERVICES TRICHYRAJAL-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:M10

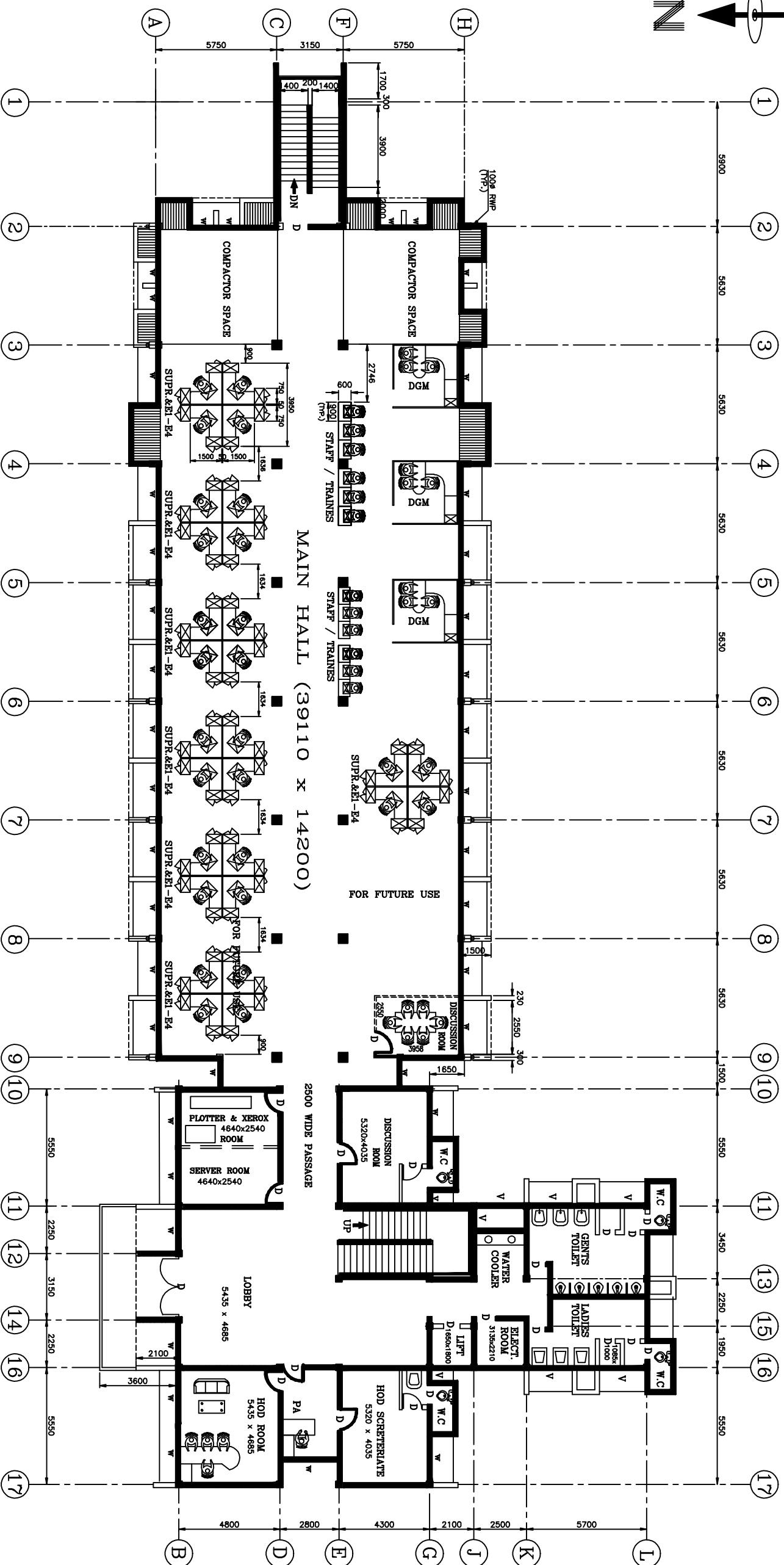
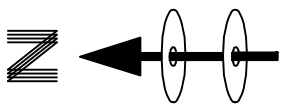


REF. DRG.						
	REV. No.	ZONE	BRIEF RECORD	PPD.	CHD.	APPD.

QTY.		BHPV	BHARAT HEAVY PLATE AND VESSELS LTD.			
ITEM NO.			VISAKHAPATNAM - 530 012 (A.P.)			

NOTES: 1. DRAWING NOT TO BE SCALED. 2. ALL DIMENSIONS ARE IN MILLI-METRES UNLESS OTHERWISE STATED.	MATL.	DGN.		PLAN VIEW OF FURNITURE ARRANGEMENT IN HOD ROOM			
		DRN./TCD.	<i>P.N.KUMAR</i>				
		CHD.	P.N.KUMAR	WORK ORDER No.	No. OFF		
		FINLD.		YEAR OF ORD	SIZE	DRAWING No.	R.No.
		APPROVED					
		SCALE				MS:RP:209:MWS:M11	

FORM NO. 0420/0



ENGINEERING BUILDING GROUND FLOOR PLAN

- FULL HEIGHT GLASS
- FULL HEIGHT GLASS DOOR WITH ACCESS CONTROL - 1000x2130 mm
- DRYWALL PARTITION

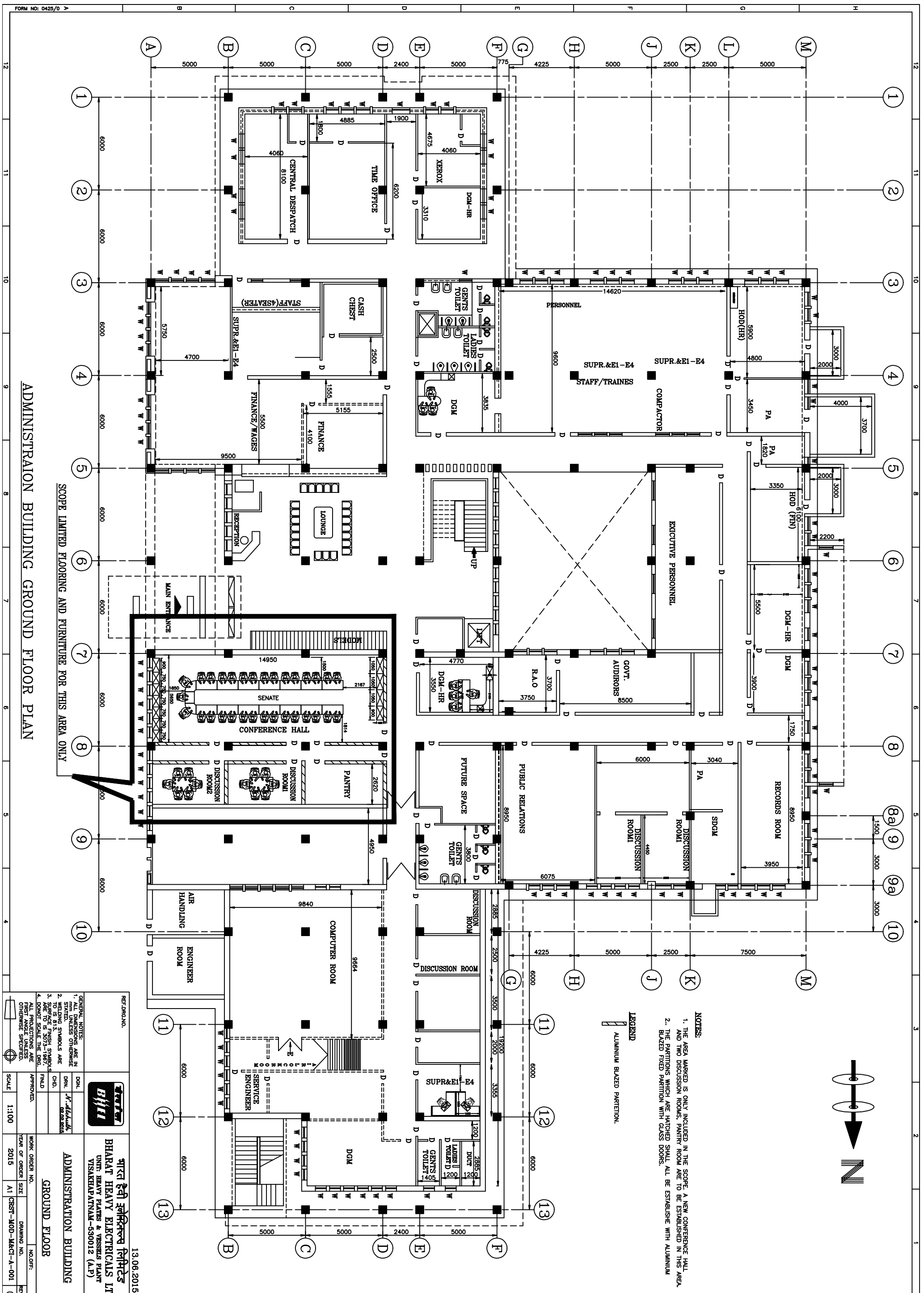


DGM'S MODULAR SIZE : 3100 mm x 2450 mm X 1200 mm
 4SEATER MODULAR SIZE : 3150 mm x 3150 mm X 1200 mm
 3STAFF/TRAINES MODULAR SIZE : 3100 x 650 mm
 IPA SIZE : 1975 x 1500 mm
 ALL DIMENSIONS ARE IN mm

NO OF SEATS	STAFF / TRAINES	PA	SUPRS. & EI TO E4	DGM (ES&E6)	HOD	TOTAL
	12	1	28	3	1	45

LEGEND
 ----- PROPOSED GLASS PARTITION
 ===== PROPOSED WOODEN PARTITION

REF. DRG. NO. 	GENERAL NOTES: 1. DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. SYMBOLS ARE TO IS 813. 2. TO IS 813. 3. SURFACE FINISH SYMBOLS ARE TO IS 813. 4. DONOT SCALE THE DRG.	DOB. DRN. CHD. E.S.N.Prasad	APPROVED: E.S.N.Prasad	WORK ORDER NO. YEAR OF ORDER 2015	NO. OF: DRAWING NO. CRST-MOD-MACI-A-002 SHEET 1 OF 3
भारत हेवी इलेक्ट्रिकल्स लिमिटेड भारत हेवी इलेक्ट्रिकल्स लिमिटेड BHARAT HEAVY ELECTRICALS LTD. UNIT: HEAVY PLANTS & VESSLES PLANT VISAKHAPATNAM-530012 (A.P)					
ENGINEERING BUILDING GROUND FLOOR					
23.06.2015					



ADMINISTRATION BUILDING GROUND FLOOR PLAN

SCOPE LIMITED FLOORING AND FURNITURE FOR THIS AREA ONLY

- NOTES:
1. THE AREA MARKED IS ONLY INCLUDED IN THE SCOPE. A NEW CONFERENCE HALL AND TWO DISCUSSION ROOMS, PANTRY ROOM ARE TO BE ESTABLISHED IN THIS AREA.
 2. THE PARTITIONS WHICH ARE HATCHED SHALL ALL BE ESTABLISHED WITH ALUMINIUM GLAZED FIXED PARTITION WITH GLASS DOORS.

LEGEND
 ALUMINIUM GLAZED PARTITION.

REF. DRG. NO. 13.06.2015

GENERAL NOTES: 1. DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED. 2. TO IS 813. 3. SURFACE FINISH SYMBOLS ARE AS PER IS 813. 4. DONOT SCALE THE DRG. OTHERWISE SPECIFIED.	 भारत हेवी इलेक्ट्रिकल्स लिमिटेड BHARAT HEAVY ELECTRICALS LTD. UNIT: HEAVY PLAYS & VESSLS PLANT VISAKHAPATNAM-530012 (A.P)
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DOA.	DRG.	NO. OF:
DRM.	REVISED	WORK ORDER NO.
CHD.	DATE	TEAM OF ORDER SIZE
FINL	APPROVED.	DRAWING NO.
SCALE 1:100	NO. OF SHEETS	REVISED
2015	A1	CRST-MOD-MACI-A-001
		0

Certificate by Chartered Accountant on letter head

This is to Certify that M/S
(hereinafter referred to as 'company') having its registered office at
is registered under MSMED Act 2006, (Entrepreneur
Memorandum No (Part-II) dtd:.....,
Category: (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1722(E) dated October 5, 2006 :
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:
Rs.....Lacs

(Strike off whichever is not applicable)

The above investment of Rs.....Lacs is within permissible limit of Rs.....Lacs forMicro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/ Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant

Special Provision for Micro and Small Enterprises (MSE)

Applicable for INDIAN Manufacturers only:

- i) As per the public procurement policy notified by the Central Government, Micro & Small Enterprises (MSE) participating in the tender quoting Price within Price band of L1 + 15% will be allowed to supply a portion of requirement subject to acceptance of L1 price in a situation where L1 price is from someone other than a Micro & Small enterprise and such Micro and Small Enterprise shall be allowed to supply upto 20% of Quantity. In case of more than one such MSE, the supply shall be shared proportionately.
- ii) 20% of the tendered quantity is earmarked for MSE suppliers in this tender.
- iii) Special provision for Micro and Small Enterprises owned by SC or ST:
Out of 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC/ST entrepreneurs.
- iv) MSE Suppliers can avail the intended benefits only if they submit along with offer, the attested copies of either EM-II certificate having deemed validity (Five Years from the date of issue of acknowledgement in EM-II) **OR** valid NSIC certificate **OR** EM-II certificate along with attested copy of a CA certificate (Format enclosed as per Annexure-C where deemed validity of EM-II certificate of Five Years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be date of bid opening (Part-I in case of two part bid). Non submission of such documents will lead to consideration of their bid at Par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer.

COMMERCIAL TERMS AND CONDITIONS FOR SUBMISSION OF OFFER**1.0 QUOTATIONS**

Bidder who would like to participate in this tender should inform their willingness for participation in the tender along with the technical bid by a scheduled date given in the first page of this tender. They have to attend for a pre – bid meeting, the date and time of which will be intimated to the vendor.

Subsequent to the pre-bid meeting, the vendors are to submit their bids according to the finalised scope and they shall submit the same in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.

Envelope I: This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked “**Part I – Technical and Un-priced commercial bid**” Indicating Tender No., Due Date and Address & Reference of the Bidder.

Envelope II: This sealed envelope should contain price details this envelope should be clearly marked “**Part II - Price bid**” indicating Tender No., Due Date and Address & Reference of the Bidder.

Both the envelopes (Part I & II) shall be put in one cover, duly sealed, super scribing as Part I and Part II of Tender No., due date of opening and the address and reference of the Bidder

The above offer should reach this office on or before the due date by 14.00 Hrs (IST)
Tender should not be addressed to any Individuals name but only designation to

Sr. Manager (MM)
BHARAT HEAVY ELECTRICALS LIMITED
VISAKHAPATNAM - 530 012 (A P), INDIA.

Tenders should be free from CORRECTION AND ERASURES. Corrections if any must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

Offers should be in ENGLISH and accompanied by technical literature catalogue and detailed dimensional drawings in ENGLISH or otherwise the offers will not be considered.

2.0 PART I (TECHNICAL & UN-PRICED COMMERCIAL BID)**2.1 Technical**

This part shall include / indicate the following:

- 2.1.1. Offer should contain complete scope of supply with all technical details, specifications, delivery and other commercial terms and conditions.
- 2.1.2. Point by point confirmation for the Technical Specification enclosed is to be provided. If there are any deviations the same should be clearly specified. Offers received without conformation to our specification will be rejected.
- 2.1.3. List of customers to whom same or similar equipment have been supplied along with performance certificates to be enclosed.
- 2.1.4. Relevant catalogue to be attached.
- 2.1.5. List of spares parts (with part numbers) for two years operation and maintenance should be attached.
- 2.1.6. Information on shipping weight and cubage (length, width & height) to be provided

2.1.7. In case of foreign bidder offer, the Principal's technical offer only should be enclosed.

2.2 Un-Priced Commercial

This part shall include / indicate the following

2.2.1. Port of shipment / Station of dispatch

2.2.2. Terms of payment

2.2.3. FOB/FCA price along with freight charges up to Chennai port (for foreign bidders) Ex-works/FOR Dispatch Station price along with freight charges up to BHEL Visakhapatnam (for Indian bidders)

2.2.4. Taxes, Service tax & duties including Cess applicable.

2.2.5. Delivery Schedule

2.2.6. Filled-in check list to be enclosed

2.2.7. Offer validity

2.2.8. Country of origin

2.2.9. Percentage of agency commission if any along with a copy of Agency agreement The FOB/FCA/CFR Prices quoted shall include the agency commission.

2.2.10. A copy of "Un-Priced Part II 'i.e., a copy of the Price Bid without the price details to be enclosed.

2.2.11 BHEL is eligible for availing CENVAT / VAT credit on both inputs and capital inputs. The suppliers invoice should separately indicate the amount of duty / taxes and should invariably mention the following details:

1. The Central excise registration number, range division and commission rate of the supplier's jurisdiction.
2. The rate of duty and 8 digit central excise tariff heading of the item supplied.
3. The TIN, VAT, CST registration number of the supplier.

The duplicate copy of the invoice is required for availing CENVAT credit and original copy for availing VAT credit, if purchased within the state.

In case of foreign bidders the duplicate copy of the electronic Bill of Entry along with TR6 challan should be made available for availing CENVAT credit on CVD, Cess (S) and SAD.

3.0 **PART II (PRICE – BID)**

This part should contain the schedule of price particulars and to be co-related to the technical details provided in Part-I

4.0 **OPENING OF TENDERS**

- The initial technical bid would be opened on the date specified in the tender.
- The Part I – Technical & un-priced commercial bid alone would be opened on the Tender opening date.
- The Part II – Price bid of technically suitable Bidders alone would be opened. The Technically suitable Bidders would be informed about the Price Bid opening date. Clarifications if any required by BHEL FOR Technical evaluation / commercial evaluation would be sought from Bidders before opening of Part II – price bid.

GENERAL

5.1 Incomplete offers will not be considered.

5.2 **Fixed priced:** Prices quoted by the bidder shall be fixed and not subject to any escalation whatsoever during the period of bid validity and execution of the Purchase Order A bid submitted with an adjustable price will be treated as non- responsive and rejected Prices shall be written in words and figures. In the event of difference, the price in words shall be valid and binding. Unit prices shall be considered correct in the event of any discrepancy with regards to total price.

- 5.3 **Bid currency:** Indian bidders should submit the prices only in Indian Rupees. Foreign bidders may submit their bid in their home currency, which should be clearly indicated in the un-priced commercial bid as well as in the price bid. Price bid opening date/ RA date will be considered as effective date for considering exchange rate to evaluate the offers.
- 5.4 **Terms of Delivery:** Bidders are required to quote their best delivery period. Foreign Bidders should submit their offer for net FOB/ FCA – Nearest Sea Port / Air Port as well as CFR / Chennai Seaport/ Airport. Freight charges up to Chennai port to be indicated separately. Indian Bidders should submit their offer for Dispatching station as well as FOR BHEL Visakhapatnam basis. Freight charges from works to BHEL Visakhapatnam to be indicated separately. Delivery from the date of Letter of Intent to be mentioned in the offer.
- 5.5 **Taxes and Duties:** All Taxes and Duties payable as extra to the quoted price should be specifically stated in offers along with CST & TIN No/ Tariff No. etc, failing which the purchaser will not be liable for payment of such Taxes and Duties (Our TIN No.28280189432, APGST No. VSP/04/1/1023 dated 24.08.1968. CST No.VSP/04/1/1012 dated 24.08.1968 & BHEL ECC No AAA CB 7076 N-XM001. Assessment circle Visakhapatnam.)
- 5.6 **Validity:** The offers for main equipment and spares shall be kept open for acceptance for a period of 120 days (one hundred and twenty days) from the dates of opening of the tender (part I)
- 5.7 **Terms of Payment:**
- 1) 10% (of total order value) pro rata on completion of electrical works.
 - 2) 35% (of total order value) pro rata on completion of flooring works.
 - 3) 35% (of total order value) pro rata on completion of supply of furniture
 - 4) Balance on completion of all works, successful handing over and on submission of 10% PBG
- 5.7.1 **Loading criteria:** Vendor should accept the payment terms specified above. However for any deviation to the payment terms offered with reference to the above criterion will be loaded with prime lending rate of SBI prevailing on date of opening of price bid + %, which shall be computed for the differential period between BHEL terms of payment and the offered payment terms by vendor.
- 5.8 DUNS number (allotted by M/s. DUN & Bradstreet) shall be mentioned in your offer.
- 5.9 **Guarantee:** The equipment shall be guaranteed for a period of 12 months from the date of commissioning and acceptance whichever is earlier.
Offers from vendors not accepting to the requested guarantee period will be rejected.
- 5.10 **Contract Execution Bank Guarantee (CEBG):** The successful tenderer shall furnish a Bank Guarantee from any Nationalized Bank for 5% of Purchase Order value (FOR Dispatching station value – Excluding taxes, duties, freight & insurance – for Indian bidders) & (FOB/FCA value – excluding freight & insurance – for foreign bidders) confirming that the order will be executed as per the terms and conditions and this should be valid till final dispatch date (LR/GR/BL/AWB) with additional 2 months claim period. Letter of Credit will be processed only after receipt of CEBG. The CEBG is to be furnished within 3 weeks from the date of Purchase order.
Offers from vendors not accepting to submit CEBG will be rejected.

BHARAT HEAVY ELECTRICALS LIMITED, VISAKHAPATNAM CAPITAL EQUIPMENT

- 5.11 **Performance Bank Guarantee (PBG):** The supplier shall furnish a Bank guarantee from any Indian Nationalized Bank approved by BHEL in the format, given by BHEL along with purchase order for 10% of the Purchase Order value (FOR Dispatching station value – Excluding taxes, duties, freight & insurance – for Indian bidders) & (FOB/FCA value – excluding freight & insurance – for foreign bidders) valid for period of guarantee with additional claim period of 2 months.
Offers from vendors not accepting to submit PBG will be rejected.
- The CEBG & PBG shall be obtained from any Indian Nationalized Bank or Scheduled Commercial Bank having its branches in INDIA.
- 5.12 **Liquidated damages:** Delivery of the goods specified in the purchase order should be made within the time prescribed. Failure to dispatch the materials in the time as per the delivery quoted in our Purchase Order would make the supplier liable to an un-conditional penalty at the rate of ½% of the value of goods for each week of delay subject to a maximum of 10% of the Purchase Order value.
- 5.12.1 **Loading Criteria for Liquidated Damages:** Any deviation from above LD Clause to the extent for which LD is not agreed by the vendor i.e., differential % value will be loaded on basic price, e.g. If some vendor agrees for say maximum of 6% LD then his price will be loaded by 4% (10 – 6) of his quoted basic price.
- 5.13 **Risk purchase:** If the supplier fails to deliver the goods within the delivery specified in the Purchase Order, BHEL will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the delivery period mentioned in the Purchase Order.
Offers from vendors not accepting the above Risk Purchase terms will be rejected.
- 5.14 **Indian Agent & Agency commission:** An Indian Agent can represent only one Foreign Manufacturer against a particular Tender. The FOB/FCA/CFR price quoted by the Foreign bidder shall include the agency commission. However, the agency commission component payable to their Indian Agents shall be shown separately in the offer. This will be paid by BHEL in India Rupees, on satisfactory commissioning & acceptance of the equipment. Copies of current Agency Agreement / Authorization Letter in respect of Agency Commission shall be furnished along with offer. For calculation of Rupee equivalent of Agency Commission exchange rate as prevailing on the date of Purchase Order will be taken.
- 5.15 **Short shipment / Warranty replacement:** In case of any short shipment in the main equipment / spares, customs duty levied on such supplies, shall be borne by the supplier. Any warranty replacement during the warranty period shall be on FOR, BHEL - Visakhapatnam, basis.
- 5.16 **Inspection & Testing:** All goods shall be subject to inspection by BHEL or its authorized representatives at supplier's works or at BHEL stores. The supplier will not charge for the facilities provided for inspection of goods. In case of machine tools the machine would be inspected and proved at supplier's works prior to dispatch however, final inspection and acceptance of the machine will be carried after installation of the machine at BHEL, Visakhapatnam.
- 5.17 **Operating and Maintenance manuals:** The Bidders shall clearly mention in their offer that Operating Maintenance Manuals as called for in the Technical Specification in the required number of copies will be provided.

- 5.18 **Cenvat & VAT credit. (for Indian Bidders only):** The quotation must indicate Tariff item number and rate of Excise Duty applicable. The original Excise Duty Gate Pass will be required to be furnished in case charges to us. If the bidder is availing Cenvat credit for his input materials, the effect of proforma credit should be passed on to the purchaser.
- 5.19 **Packing:** The Supplier shall arrange for packing suitably in all respects considering the peculiarity of the material involves for normal transport by sea / air / rail road and suitably protected against effect of tropical salt laden atmosphere in the event of shipment being delayed at ports.
- 5.20 **Salient Points of HSE** (Health, Safety & Environment) that are to be considered while submissions of offer are:
- 5.20.1 Consumption benchmarks related to output shall be provided wherever applicable for key input resources (energy/fuels/chemicals)
- 5.20.2 Competency requirements for operation, maintenance and calibration, if any, shall be communicated
- 5.20.3 If any Hazardous chemicals as per MSIHC (Manufacturing, Storage and import of Hazardous Chemicals) Rules 1989/94/2000 are used, the MSDS shall be provided, along with on site & OFF site emergency plan (as applicable).
- 5.20.4 The noise level at operator level shall be within 90 Db
- 5.20.5 OH&S (Occupational Health and Safety) control measures for safe working of machine as applicable shall be specified
- 5.20.6 The machine/equipment shall be fitted with guard for rolling and moving parts and shall comply with applicable OH&S legislations and Factories Act 1948
- 5.20.7 The supplier shall submit the layout drawing of operating controls, displays etc and operating instructions to enable ergonomics evaluation and approval
- 5.20.8 The recommended PPE (Personal Protective Equipment) for the equipment shall be furnished
- 5.20.9 Alarm System (both visual and audible) and Automatic switch off of the equipment shall be provided for any intrusion, overloading, short circuiting or any malfunctioning of the equipment.
- 5.20.10 Details of all hazardous / harmful substances discharges as by-products / wastes during operations of the machine / equipment, such as fumes, gases, dust particles, aerosols UV./IR (Ultra violet / Infra red) radiations, etc shall be furnished, along with their concentrations and their TLV, (Threshold Limit Value)
- 5.20.11 Appropriate pollution control measures shall be proposed to keep the emissions from the machinery / processes within the prescribed limit as stated in Environment Protection Rules 1986.
- 5.20.12 All furnaces, process units, DG sets, paint booths, shot blasting chambers, etc shall be provided with stack(s) of sufficient height as per guidelines laid down in the Environment Protection Rules 1986.
- 5.20.13 wherever industry specific standards are not available for control of pollutants, general emission standards shall be used
- 5.20.14 Chemicals banned due to their negative impact on the environment shall not be used on the process

- 5.20.15 Fuels with sulphur content less than 0.05% shall be proposed.
- 5.20.16 Details regarding nature of waste generated and appropriate disposal practices available shall be provided, along with the operation procedure of the plant / process.
- 5.20.17 Hazardous chemicals and flammable substances shall be transported only through authorized transporters and all safety practices as laid down in applicable legislative requirements such as Central Motor Vehicle Rules, Manufacture, Storage and Import of Hazardous Chemical 1989, etc. shall be followed.
- 5.20.18 Primary materials used in the equipment shall be specified and they shall be eco - friendly.
- 5.21 Evaluation of offers shall be on the basis of delivered cost (Net cash outflow to BHEL).
- 5.22 BHEL also reserves its right to allow to the Public Sector Enterprises ordering and price preference facilities as admissible under the existing policy.
- 5.23 BHEL reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract at another project / unit.
- 5.24 BHEL shall be at liberty to reject or accept any tender, part or in full, at their own discretion and any such action is not liable for any question or claim against BHEL.
- 5.25 BHEL reserves the right to go for a Reverse Auction (RA) instead of opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms and conditions governing RA are given below.

GENERAL TERMS AND CONDITIONS OF RA (REVERSE AUCTION)

Against this enquiry for the subject item/system with detailed scope of supply as per enquiry specifications. BHEL may resort to “REVERSE AUCTION PROCEDURE” i.e., ON LINE BIDDING ON INTERNET.

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
3. BHEL will inform the vendor in writing in case of reverse auction, the details of service provider to enable them to contact & get trained.
4. Business rules like event date, time, start price, bid decrement, extensions etc. also will be communicated through service provider for compliance.
5. Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor will not be eligible to participate in the event.

6. BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL like Packing & Forwarding charges, taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the Auction.
 7. Reverse auction will be conducted on scheduled date & time.
 8. At the end of Reverse Auction event, the lowest bidder value will be known on the network.
 9. The lowest bidder has to Fax the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail.
 10. Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure.
 11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.
- 5.26 **Force Majeure clause:** If at the time during the continuance of this contract the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) then provided notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof neither party shall reason of such events be entitled to terminate this contract nor shall either party have any such non performance and delay is resumed as soon as practicable after such events has come to an end or ceased to exist, if the performance in whole or part of any obligation under this contract is prevented or delayed by reason or any such event claims for extension of time shall be granted for period considered reasonable by the purchaser subject to prompt notification by the seller to the purchaser of the particulars of the events and supply to the purchaser if required of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed to be a waiver of time in respect of remaining deliveries.

CHECK LIST

Bidder's acceptance to BHEL's Standard Commercial Terms & Conditions.

(To be submitted along with the offer – please do not change the format)

BHEL Tender No: & Date:	Bidders Confirmation / response
Prices have been quoted on "FIRM PRICE" basis only.	Yes / No
Prices have been quoted on "F.O.R BHEL" basis only.	Yes / No
P & F and Freight for supply part (To be Included in Vendor's Scope)	Yes / No
Insurance for supply part (To be Included in Vendor's Scope)	Yes / No
Validity of offer (we require a minimum period of 120 days from the date of Tender Opening – please Specify)	
Sales Tax for supply part (please Specify)	
Excise Duty for supply part (please Specify)	
Service Tax for service part (please Specify)	
Delivery period from the date of Purchase Order (please Specify).	
Liquidated damages as per clause 5.12 (we require acceptance to @ ½% per week subject to a maximum of 10%).	Yes / No
Risk Purchase as per clause 5.13 (Offers from vendors not accepting the Risk Purchase terms will be rejected)	Yes / No
Payment terms (As per Clause No. 5.7.1)	Yes / No
Contract Execution Bank Guarantee (CEBG) as per Clause 5.10 (Offers from vendors not accepting to submit CEBG will be rejected)	Yes / No
Performance Bank Guarantee (PBG) as per Clause 5.11 (Offers from vendors not accepting to submit PBG will be rejected)	Yes / No
Guarantee as per clause 5.9 (The equipment shall be guaranteed for a period of 18 months from the date of supply or 12 months from the date of commissioning and acceptance whichever is earlier). (Offers from vendors not accepting to the guarantee period will be rejected)	Yes / No

Signature & Office Seal of the bidder