



BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

Heavy Power Equipment Plant,

Ramachandrapuram, Hyderabad – 502032. INDIA

PURCHASE (CG) DEPARTMENT

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NOTICE INVITING TENDER (NIT)

TENDER REF: M2/15/6000002522/AS1

Dt: 29.10.2015

Offers are invited in Two Part Bid

A) Rate Contract for the Supply and Installation of “**Office Furniture**” at different departments of BHEL, R C Puram, Hyderabad for the items as per Annexure

Tender Fee: Rs. 5000.00

Earnest Money Deposit (EMD): Rs. 200000.00

Tender Due Date: 19.11.2015, 10:00 Hrs.

Opening of Techno-Commercial Bids: 19.11.2015, 13:00 Hrs. at Vendor Complex, BHEL, R C Puram, Hyderabad

List of Tender Documents:

- I) Instructions & Procedure to Submit the Bids
- II) List of Items & Quantity (Annexure-A)
- III) Pre-Qualification Criteria
- IV) Specifications of the items
- V) BHEL Standard Terms & Conditions for Annual Rate Contract
- VI) Price Bid Format
- VII) Bank Guarantee Format & List of BHEL consortium Banks

I) Instruction/Procedure to submit the Bids

Sl./No	Instructions & Procedure	Supplier's Compliance
1	Offers from reputed and resourceful Suppliers are invited to be submitted in two parts, consisting of a) Cover-1 & Cover-II and b) Cover-III as below, which are to be submitted together before due time of tender opening.	
2	<p>Cover - I (Part- I) TENDER FEE AND E.M.D.: Tender Fee & EMD, as specified in the NIT and if called for are to be deposited in the form of Cash*(as permissible under Income Tax Act)/Demand Draft/Pay Order, in favour of M/s. Bharat Heavy Electricals Ltd., Ramachandrapuram, Hyderabad - 502 032 for value of tender document & EMD along with a covering letter. These are to be submitted in a sealed cover. D.D. towards Tender Cost is non-refundable. i) EMD by the tenderer will be forfeited as per the tender documents (schedule), if the successful bidder/vendor refuses to honor the order after award of the same on him and/or withdraws his bid and/or unilaterally changes the offer and/or any of its terms& conditions within the validity period or fails to submit CEBG even within 60 days from the date of PO. ii) EMD given by all unsuccessful tenderers shall be refunded on acceptance of award/LOI/PO by successful tenderer. EMD of successful bidder shall be returned after submission of Contract Execution Bank Guarantee. (CEBG). iii) EMD shall not carry any interest.*Cash shall be submitted by prospective vendor only at BHEL-RC Puram cash office and receipt shall be kept in the envelop. The EMD may be waived in following cases</p> <p>a) Central / State - PSUs / Government departments(Only EMD is exempted, Tender Cost to be submitted)</p> <p>b) Micro and Small Enterprises (Tender documents cost & EMD are exempted)</p> <p>NOTE: All MSME/SSI Units are exempted from the payment of Tender Fee & EMD. MSME/SSI units shall enclose in their Techno-Commercial bid a) attested Valid NSIC Certificate (or) b) attested Entrepreneurs Memorandum (EM) part II certificate (with deemed validity of five years) (or) c) attested EM II certificate with Chartered Accountant certificate applicable for the year, certifying that investment in Plant & Machinery is within the permissible limits as per MSME act for relevant status (Micro or Small), where the deemed validity of EM II is over. If Bidder fails to submit/enclose above specified certificates, their Offer will be considered as non MSME/SSI unit and failure to non-submission of DD towards Tender Fee & EMD will leads to rejection of their Offer.</p> <p>**Beneficiary Name: M/S Bharat Heavy Electricals Ltd. Beneficiary Address: Ramachandrapuram, Hyderabad, 502032, Beneficiary Ph. No:(+91 40)23182235, Name Of the Bank: State Bank of Hyderabad, Branch Address::Ramachandrapuram, Hyderabad, 502032,Branch Code:075,A/C No:00000062048154115, A/C Type: Current Account, IFSC No(For NEFT & RTGS):SBHY0020075,MIRC:500004072, Bank's Telephone No:(+91 40)23022210, Bank's Fax No:(+91 40)23022210</p>	
3	<p>Cover - II (Part-I): TECHNICAL-CUM-COMMERCIAL AND UN-PRICED BID: This consists of complete technical details, catalogues, drawings and all commercial terms. Money values must not be indicated i.e. un-priced bid. These are to be submitted in a sealed cover.</p> <p>The following formats / documents are to be filled up and submitted:</p> <p>(i) Filled in Technical Specification (Format enclosed), (ii) Filled in Standard Terms & Conditions for Procurement of Equipment (as per Format enclosed), (iii) Un-Priced Bid [In the formats of Technical Specification / Scope, confirming that the prices are quoted in price bid], (iv) Supplier Registration Form (To be downloaded from www.bhel.com), (v) The rating of the company by an international credit rating agency, (vi) All relevant enclosures of above documents / formats, (vii) Complete technical / commercial details along with catalogues / instructions and (viii) Shipping weight and cubage (length, width & height) size of packing.</p>	
4	<p>Cover - III (Part-II) : PRICE BID: Prices are to be indicated as per Un-Priced Bid as per detail as well as in conformity with terms as submitted in Part-I. Bidders are required to quote as per enclosed format. All applicable taxes and duties are to be indicated clearly in the offer. The comparison between indigenous and foreign bids shall be done based on landed (FOR DESTINATION) price basis. Processing of any optional item is at the discretion of BHEL. Offer with any preconditions for price will be rejected.</p> <p>The bidders should submit their best price at this stage itself. They will not be allowed to revise the price during validity period</p>	

5	Both these covers (Part-I {Cover-I+ Cover-II} and Part-II {Cover-III}) shall be kept in a Third cover super subscribing Enquiry no. & due date. Bids as specified shall be addressed to DGM/Pur-Coordination, Vendor Complex, BHEL, R C Puram, Hyderabad - 502032. If Bidder intends to submit the tender directly to BHEL person or Bids are bulky, they can contact P. Narayanamma, DGM/Pur-Coordination or Mr. M. Surender Reddy, Officer/Pur-Coordination, Vendor Complex, BHEL, R C Puram, Hyderabad-502032	
6	All techno commercial terms & conditions mutually agreed prior to price bid opening shall prevail and supersede any terms and conditions specified otherwise in price bid.	
7	Techno-commercial Bid will be opened on the assigned date at Vendor Complex, BHEL, R C Puram, Hyderabad and price bids of only techno commercially acceptable bidders shall be opened with advance intimation. In case BHEL opts for Reverse Auction, the date of conducting RA will be intimated separately to all the acceptable bidders.	
8	If a Supplier submits only one cover containing either techno-commercial bid or price bid or one combined bid i.e. techno-commercial bid & price bid together, the offer is liable be rejected. Non-receipt of D.D., for tender fee & EMD is likely to lead for rejection of the offer. The Cover-I will be opened first.	
9	Bidders will be allowed to submit the impact on their quoted prices due to changes in technical scope, specifications, commercial terms/conditions as specified in NIT and in the opinion of BHEL such changes warrant changes in prices. BHEL at its sole discretion may also invite revised prices if there are major changes in scope. Revised price bids/impact price will not be accepted after opening of technical bids unless otherwise specifically asked by BHEL.	
10	Bids shall be opened on due time and date in the presence of bidders who may like to be present. Only one representative of each bidder shall be permitted to attend the bid opening.	
11	The quotation should be neatly typed and free from over writing/ erasures. Any correction or addition must be authenticated. The offer including annexures and brochures should be submitted in English.	
12	Bidder can also submit offer through email at his own risk. The offer to be submitted in two parts. <u>Technical offers to be submitted to technicalbid@bhelhyd.co.in, and price bid to be submitted to pricebid@bhelhyd.co.in .</u> Interchanging the information in the mails may lead to rejection of the offer. Supplier shall have no claim on e-mail offers sent on any other e-mail ID. BHEL is no way responsible for non receipt of offers sent thru email due to server break down / Internet failure / transmission error etc. In case of e-mail offers, the mail subject should contain Enquiry No., Due date and Supplier name. Supplier address including contact details shall be mentioned in the content of the mail. Without these details offer may be liable for rejection.	
13	Evaluation and Loading Criteria: Evaluation of prices shall be done total items (Lump sum) price and shall be on the basis of delivered cost, i.e. "total cost to BHEL" w.r.t the finalized technical scope and commercial conditions (after considering incidence of applicable taxes and duties and loading). Placement of order will be considered only for lowest offer(L1) on Total Cost to BHEL basis.	
14	Tenderers are to know the applicable laws of Government of India and applicable taxes and duties.	
15	The equipment offered shall be strictly conforming to the specification and for complete unit including accessories (if any) and spares as per Tender.	
16	No offer for individual accessories or part of equipment will be accepted.	
17	Supplier will have to ensure deputation of their Persons for Erection & Commissioning or for attending to any complaint during warrantee / guarantee period within 15 days' of intimation. In case of delay, BHEL reserves the right to get the job completed at the risk and cost of the Supplier. This does not amount to breach in contract clause by BHEL.	
18	BHEL reserves its right to reject an offer due to unsatisfactory past performance during tender finalization / execution of a contract at any of BHEL projects / units. BHEL will do the performance evaluation.	
19	BHEL will have the option to pre-inspect the material at Supplier's works by BHEL's own inspector or by third party agency appointed by BHEL but that does not absolve the Supplier from giving the performance as agreed upon. The final inspection will, however, be carried out at BHEL's works at Hyderabad. Travel & other local stay cost for the representatives sent by BHEL will be to BHEL account.	

20	Supplier must submit with their offer, list of Customers [with their full address including detail of contact person with phone no., fax no. & e-mail ID (if any)] to whom they have supplied same / similar machine in the past five years. The date of supply should also be indicated.	
21	Tenders received after due date and time of tender opening shall be treated as LATE tenders (irrespective of the mode of dispatch) and will not be considered for evaluation.	
22	RIGHT OF REJECTION /NON- PLACEMENT OF PO: BHEL reserves the right to accept or reject any or all bid/s in full or part without assigning any reason whatsoever.	
23	BHEL has a right to cancel the order for delay in supply beyond penalty period without any monetary or legal obligations.	
24	Partial offers (i.e. Offering only few items and not all the items) will not be accepted. Since, evaluation will be done on lump sum basis and not on item wise basis, offers with partial quotation will be rejected.	
25	BANNED VENDORS: The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com .	
26	Bidders shall quote applicable taxes & duties (i.e. Excise Duty, CST/VAT & Service Tax) in the form of Extra only.	
27	The tenderer shall visit the site and make himself thoroughly acquainted with the local site conditions, nature and requirement of furniture to avoid any deviations / discrepancies during submission of quotation / supply of furniture as per requirement.	
28	All disputes arising in connection with the contract shall be settled by mutual consultation. If no agreement is reached the dispute shall be settled in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the rules made there under. The dispute shall be referred for arbitration to any arbitrator to be appointed by the Head of the Unit, BHEL-Hyderabad. The award of the arbitrator shall be final and binding on both the Parties. The venue of the Arbitration shall be Hyderabad in India. The Award given by the Arbitrator shall be a speaking award and in English language. All questions, disputes, differences arising under, out of or in connection with this contract shall be exclusive jurisdiction of Sangareddy/Hyderabad Courts, Andhra Pradesh.	
29	CONTRACT EXECUTION BANK GUARANTEE (CEBG)	
29.1	The CEBG shall be for the due and faithful performance of the Contract and shall remain binding notwithstanding such variations, alternations or extensions of time as may be made, given, conceded or agreed to between the Supplier / Vendor and BHEL under these Terms & Conditions or otherwise.	
29.2	The CEBG furnished by the tenderer will be subject to the terms and conditions of the Contract finally concluded between the parties and the BHEL will not be liable for payment of any interest on the CEBG or any depreciation thereof.	
29.3	Non-acceptance of CEBG is liable to reject the offer. The successful bidder shall be required to furnish CEBG within two months of the acceptance of LOI/P.O.	
29.4	Note: In case of non-submission of CEBG within two months, BHEL shall charge @ 1.5% per month on the CEBG amount for the delayed period portion beyond 2 months and deduct the same in the final bill.	
29.5	The CEBG should be furnished as per BHEL proforma. The CEBG shall be in the currency of the purchase order. The CEBG shall be refunded / bank guarantee released on application by contractor after commissioning of the equipment and after it has discharged all his obligations under the contract and produced a certificate from BHEL, certifying due completion of the work and submitted a 'No Demand Certificate'.	
30	PERFORMANCE BANK GUARANTEE:	
30.1	Performance Bank Guarantee should be as per BHEL. The PBG shall be submitted for payment of the balance 20% payment and E&C (Installation) charges.	
30.2	Performance bank guarantee shall be released on application by the Contractor after installation of the supplied material and after he has discharged all his obligations under the Contract and produced a certificate from BHEL, certifying due completion of the work.	

31	GUIDELINES FOR ACCEPTING BANK GUARANTEES	
31.1	As far as possible the Bank Guarantee should be from any of the BHEL Consortium Banks.	
31.2	BGs of PSU Banks in addition to consortium banks only are acceptable.	
31.3	In case of BGs issued by non-consortium PSU Banks the same are to be enforceable at Hyderabad	
31.4	Bank Guarantees to be submitted by the suppliers towards CEBG or Performance Bank Guarantee should be sent to BHEL, Hyderabad directly by the issuing Bank under Registered Post (A/D) only. BHEL shall not accept BG submitted directly by the Supplier	
32	REVERSE AUCTION (RA) / ON LINE BIDDING ON INTERNET:	
32.1	BHEL reserves the right to resort to Reverse Auction Procedure i.e. On Line Bidding On Internet, instead of Opening the submitted sealed bid, which will be decided after technical evaluation. The General Terms & Conditions for RA are as below:	
32.2	For the proposed reverse auction, technically and commercially accepted bidders shall be eligible to participate.	
32.3	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.	
32.4	BHEL will inform the Supplier in writing in case of reverse auction, the details of Service Provider to enable them to contact & get trained.	
32.5	Business rules like event date, time, and Start price, bid decrement, extensions etc. also will be communicated through service provider for compliance.	
32.6	Suppliers 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.	
32.7	Based on the accepted commercial terms, 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, loading factors (for non-compliance to BHEL Standard Terms & Conditions), etc. for each of the Supplier to enable them to fill-in the price and keep it ready for keying in during the Auction. Suppliers have to confirm acceptance of the working sheet before the commencement of RA.	
32.8	Reverse auction will be conducted on scheduled date & time.	
32.9	At the end of Reverse Auction event, the lowest bidder value will be known on the network.	
32.1	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.	
32.11	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 Supplier to conduct business with BHEL as per prevailing procedure.	
32.12	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.	
32.13	Reverse Auction will be conducted for total items, where Bidders shall enter lumpsum price of value of total items as per NIT. RA will not conducted on item wise basis.	
32.14	For the entered decrement in the total value during RA, each item value should be decreased proportionately as per percentage of the item value with respect to total cost.	

List of Items (Annexure A)

Sl. No.	Material Code / Description	TOTAL
1	HY7802161770 Executive Main Desk 1500mm (L) x 750mm (W)	45
2	HY5111762019 Exe. Side Desk (LH/RH) 1000mm (L) x 500mm (W)	45
3	HY7802161673 Iron Mobile Pedestal Draw Unit 400mm (W) x 450mm (D) x 660mm (H)	446
4	HY7802161665 Low back cushioned non - revolving chair	196
5	HY7802161681 VSDU (Big)	64
6	HY7802161690 Sr. Exe. Main office desk	21
7	HY7802161703 Sr. Exe. Side desk (LH/RH)	21
8	HY7802161711 Sr. Exe. Wooden mobile pedestal draw unit	21
9	HY7802161720 Sr. Exe. Wooden fixed pedestal draw unit	21
10	HY7802161738 Sr. Exe. High back cushioned revolving chair	21
11	HY7802161754 Conference hall senate table-14 seater	1
12	HY7802161789 Conference hall senate table-8 seater	1
13	HY7802161762 Low back cushioned revolving chair	266
14	HY7802161878 Mod. Alu. Fr. - 4 seater work station	52
15	HY7802161746 VSDU (Small)	335
16	CG3900001707 Conference hall senate table-16 seater	5
17	HY7802161983 Mod. 2 seater work station/LWC	34
18	HY7802161380 Low back cushioned revolving chair/clerical	350
19	HY7802161991 Mod. Alu. Fr. - 1 seater work station	5
20	HY7802161894 Mod. Alu. Fr. - 2 seater work station	61
21	CG3900001766 Conference Hall Table 47 Seater	1

IV) Pre – Qualification Criteria:

Sl. No.	BHEL Terms	Supplier's Compliance
1	Only Manufacturers/Authorised Distributors of OEMs Offers shall be considered for the tender enquiry. OEM shall give Authorisation Letter for only One distributor for all the range of items and Distributor shall enclose Authorisation Letter in the techno-commercial bid without which their Offer cannot be considered. {OEM - Original Equipment Manufacturer}	
2	Vendor/OEM should have ISO 9001, ISO 14001, ISO 18001 and BIFMA (Business and Institutional Furniture Manufacturer's Association) certification. Bidders shall enclose all the certifications in the techno-commercial bid.	
3	Bidder should have successfully completed similar supplies (Supply of modular furniture like work stations, modular executive desks, side desks, iron & wooden mobile pedestal draw units, steel vertical storage units, revolving and non-revolving cushioned chairs, high back chairs, conference hall tables etc.), for single work value of minimum Rs. 65 Lakhs in the past 2 years ending by 31/03/2015. Bidders shall enclose the Purchase Order copies (or) Work Order copies as per above in the techno-commercial bid.	
4	Bidder should have annual financial turnover of Rs. 2 crores or more per year for the last three consecutive years ending by 31/03/2015. In case Offer is submitted by Distributor, OEM also shall have Annual Financial Turnover of Rs. 2 (Two) Crores or more for the last three consecutive years. Bidders should enclose Audited Balance sheets and Profit & Loss account statement of last three consecutive years ending by 31/03/2015 in the techno-commercial bid.	
5	Bidder should have supplied the similar furniture in Central / State Government sector, Corporate sector, PSU's etc. The tenderer shall furnish performance certificate by the competent authority of the client, certifying / qualifying workmanship of furniture supplied by the tenderer. Bidders should enclose relevant performance certificates in the techno-commercial bid.	

Note: Non Submission of the above requested documents/non compliance to the above points may leads to rejection of Offers.

V) Specifications

Sl. No.	BHEL Terms	Supplier's Compliance
1	Inspection of Samples:- Vendors shall keep samples of the offered models ready for inspection at Suppliers works. BHEL technical committee shall visit for inspection of samples and technical qualification will be done based on the Inspection report submitted by the BHEL technical committee. Supplies shall be in line with the approved samples.	
2	Photographs: Vendor shall submit the photograph with detailed specification of their furniture model in their technical offer against each item of furniture specified in the tender enquiry of BHEL.	
3	Supply of furniture should consist "Supplying, fixing / erection / commissioning at different site locations at BHEL R C Puram Unit premises".	
4	The tenderer shall visit the site and make himself thoroughly acquainted with the local site conditions, nature and requirement of furniture to avoid any deviations / discrepancies during submission of quotation / supply of furniture as per requirement.	
5	The vendor has to arrange himself for transportation of materials to all leads and lifts and should keep the premises neat and clean by removal and disposal dirt and garbage time to time during erection and commissioning of furniture.	
6	During supply, erection & commissioning any material found damaged/defective/ broken, shall be replaced within 15 days.	
7	The supplies shall be in line with approved samples.	
8	The supplies shall be inspected and approved by respective Indenting departments at BHEL site before erection and commissioning.	
9	Colour of the Furniture will be decided by the BHEL based on options given by the Supplier and will be finalised while placement of P.O.	
Item No.	Detailed Specifications	Supplier's Compliance
1	<p>EXECUTIVE OFFICE DESK FOR EXECUTIVES:-</p> <p>Material Code No. HY7802161770</p> <p>Main Office Desk consists of Desk Top, attached side desk, top made of high density particle board with melamine lamination, with post forming legs for main desk and free standing legs for side desk.</p> <p>TOP:- Main Office Desk Top material consists of high density particle board with melamine lamination, the table top consists of 25 mm thickness.</p> <p>Size: 1500 mm (L) x 750 mm (W)</p> <p>EDGE PROFILE:- Edge shall be full round.</p> <p>UNDER STRUCTURE:-</p> <p>LEGS:- Made from 20 mm thickness pre-laminated particle board, having straight profile with full round edges and clad with post forming laminate.</p> <p>Size: 650 mm (W) x 700 mm (H) - 2 Nos.</p> <p>LEGS:- Made from 20 mm thickness pre-laminated particle board, having straight profile with full round edges and clad with post forming laminate.</p> <p>Size: 650 mm (W) x 700 mm (H) - 2 Nos.</p>	
2	<p>SIDE DESK (RH/LH) FOR EXECUTIVES :-</p> <p>Material Code No. HY5111762019</p> <p>Side Desk material consists of attached side top made of high density particle board with melamine lamination, with post forming, free standing legs and consists key board tray and CPU Stand.</p> <p>TOP:- Side Desk Top material consists of high density particle board with melamine lamination, 25 mm thickness. One side of Side desk top should be fixed to the main office desk top, with powder coated iron brackets made of HR Steel.</p> <p>Size: 1000 mm (L) x 500 mm (W)</p> <p>EDGE PROFILE:- Edge shall be full round.</p> <p>UNDER STRUCTURE:-</p> <p>LEGS:- Made from 25 mm thickness pre-laminated particle board, having straight profile with full round edges and clad with post forming laminate.</p> <p>Size: 400 mm (W) x 650 mm (H) - 1 No.</p> <p>MODESTY:- Modesty panel has to be made from pre-laminated board of 18 mm thick having straight profile with post forming laminate. One side of modesty shall be fixed with powder coated iron brackets made of HR Steel to the leg of Main Office Desk and other side shall be fixed with powder coated iron brackets made of HR Steel to the leg of Side Desk.</p> <p>Size: 1050 mm (L) x 700 mm (W) - 1 No.</p> <p>NOTE:- Round shape openings (60 mm dia) shall be made in the corners of Top panels of Main Office Desk and Side Desk, along with PVC round caps for running of power, data and voice cables.</p>	
3	<p>IRON MOBILE PEDESTAL DRAW UNIT:-</p> <p>Material Code No. HY7802161673</p> <p>Iron Mobile metal pedestal with three drawer of size 400 mm (W) x 450 mm (D) x 660 mm (H). Drawers shall be sliding type, bottom drawer height shall be 300 mm, height of the middle and top drawer shall be equal size. Drawers shall be with locking arrangement with two keys. The metal gauge of the cabinet shall be 20mm. Bottom of Iron fixed Pedestal shall be fixed with suitable wheels.</p>	

4	<p>LOW BACK CUSHIONED CHAIR (NON-REVOLVING TYPE):-</p> <p>Material Code No. HY7802161665</p> <p>SEAT / BACK ASSEMBLY:- The seat / back are to be made of 12 mm thick hot pressed ply wood, upholsted with changeable upholstery fabric covers and moulded polyurethane foam, together with moulded back - spine cover. The back foam is to be designed with counter lumbar support for extra comfort. The Polyurethane foam is moulded with density - 45 ± 2 Kg/Cu. m and hardness = 20 ± 2 on Hamden machine at 25% compression. Rear side of the Back rest and bottom of the Seat shall be covered with Black Polypropylene covers.</p> <p>Seat Height : 440 ± 10 mm</p> <p>Height of Chair: 820 ± 10 mm</p> <p>Width of Chair: 580 ± 10 mm</p> <p>Depth of Chair: 620 ± 10 mm</p> <p>Back Size: 490 ± 10 mm X 480 ± 10 mm</p> <p>Seat Size: 440 ± 10 mm X 480 ± 10 mm</p> <p>ARM REST:- Arm rest are to be made of Black integral skin polyurethane with 50 to 70 shore hardness and reinforced with MS insert. The arm rest should be scratch and weather resistant. The arm rest are to be fitted to the seat and back with arm rest connecting strip assembly, made of 0.5 Cm thick HR steel.</p> <p>Base of the chair shall be fixed to the frame made of black powder coated MS Pipe with suitable fixtures. Pipe outer dia shall be 25 mm. Suitable Nylon bushes shall be fixed to the bottom of the MS Pipe frame.</p> <p>TUBULAR FRAME:- The tubular frame is cantilever type and made of Dia 2.54 cm (1") x 14 B.G.M.S. E.R.W. tube and black powder coated.</p> <p>DESIGN & COLOUR BASIC:- As per BHEL choice.</p>	
5	<p>VERTICAL STORAGE WITH SLIDING DOOR UNIT (BIG):-</p> <p>Material Code No. HY7802161681</p> <p>Construction: CRCA steel conforming to IS 513 Gr. D. with metal door and wooden top. The minimum thickness of CRCA steel is 1.00 mm and the thickness of pre laminated particle board is 25 mm. The edges of PLB are to be finished with 2mm thick PVC lipping. Provision of metal top (below PLB) has to be ensured.</p> <p>Dimensions: 900 mm (W) 450 mm (D) x 1200 mm (H) approx.</p> <p>Sliding door arrangement: Full height sliding door with top hanging arrangement to prevent derailment. Each door shall be provided with two plastic rollers having steel ball bearing for smooth movement of door.</p> <p>Locking & Handle: Aesthetically appealing die cast 5 lever cam lock with 2 keys. Keys should have unique system such that interchangeability with other unit is not there. Handle shall be of plastic flush & recessed modal.</p> <p>Shelves: CRCA steel confirming to IS 513 Gr. D thickness 1.00 mm (minimum) – height wise adjustable shelf mounting. Uniformly distributor load carrying capacity of 70 kg maximum for each self. Two numbers of adjustable shelves per storage unit. (3 levels formed by 2 Nos. of adjustable shelves).</p> <p>Painting: Epoxy polyester powder coated to the thickness of minimum 40 microns. Before powder coating, metal surfaces are to be treated for antirust.</p>	
6	<p>EXECUTIVE OFFICE DESK FOR SENIOR EXECUTIVES:-</p> <p>Material Code No. HY7802161690</p> <p>Main Executive Office Desk consists of Main Desk Top, attached side desk top, made of high density particle board with melamine lamination, with post forming legs for main desk and free standing legs for side desk and consists key board tray, Wooden Mobile Pedestal Draw Unit and CPU Stand.</p> <p>MAIN DESK TOP:-</p> <p>Main Desk Top material consists of high density particle board with melamine lamination, the table top consists of 25 mm thickness. Bottom of the top at front side shall be supported with member of pre-laminated particle board in curved shape i.e. 75 mm in the middle and 25 mm at the ends.</p> <p>Size: 1800 mm (L) x 900 mm (W)</p> <p>Both sides of the top shall be supported with member of pre-laminated particle board in curved shape i.e. 75 mm in the middle and 25 mm at the ends.</p> <p>EDGE PROFILE:-</p> <p>Edge Profile of the top shall be full round.</p> <p>UNDER STRUCTURE:-</p> <p>LEGS:-</p> <p>Made from 20 mm thickness pre-laminated particle board, having straight profile with full round edges and clad with post forming laminate.</p> <p>Size: 775 mm (W) x 725 mm (H) - 2 Nos.</p> <p>EDGE PROFILE:-</p> <p>Edge profile of the legs shall be extended with member of pre-laminated particle board in curved design i.e. by 75 mm in 45 degrees angle.</p> <p>MODESTY:-</p> <p>Modesty panel has to be made from pre-laminated board of 18 mm thick having straight profile with post forming laminate. The modesty panel shall be fixed to the top and legs of Main Executive Office Desk, with powder coated iron brackets made of HR Steel.</p> <p>Size: 1560 mm (L) x 725 mm (W) - 1 No.</p>	

7	<p>SIDE DESK (RH / LH) FOR SENIOR EXECUTIVES:-</p> <p>Material Code No. HY7802161703</p> <p>Side Desk (RH/LH) material consists of attached side top made of high density particle board with melamine lamination with post forming, free standing legs and consists key board tray and CPU Stand.</p> <p>TOP:-</p> <p>Side Desk Top material consists of high density particle board with melamine lamination, 25 mm thickness. One side of Side desk top should be fixed to the main office desk top, with powder coated iron brackets made of HR Steel. Other side of Desk Top shall be rested on fixed pedestal draw unit, with 4 Nos. of round shaped wooden chairs.</p> <p>Size: 1195 mm (L) x 600 mm (W)</p> <p>EDGE PROFILE:-</p> <p>Edge profile shall be full round.</p> <p>Note:- Round shape openings (60 mm dia) shall be made in the corners of Top panels of Main Desk Top / Side Desk Top, as per requirement, along with PVC round caps for running of power, data and voice cables.</p>	
8	<p>WOODEN MOBILE PEDESTAL DRAW UNIT FOR SENIOR EXECUTIVES:-</p> <p>Material Code No. HY7802161711</p> <p>Material consists of high density particle board with melamine lamination, with 3 Nos. of Castor wheels in front side of the unit (Two big wheels and one small wheel) and 2 Nos. of Castor wheels at rear side of the unit to be provided, having two drawers of size 400 mm (W) x 495 mm (D) x 500 mm (H). Top plank shall be thickness of 25 mm with half round edge profile at front side. Drawer shall be sliding type with high quality sliding units. Bottom drawer height shall be 300 mm and height of the top drawer shall be 150 mm. Drawers shall be with locking arrangement with two keys.</p>	
9	<p>WOODEN FIXED PEDESTAL DRAW UNIT FOR SENIOR EXECUTIVES:-</p> <p>Material Code No. HY7802161720</p> <p>Material consists of high density particle board with melamine lamination, having three drawers of equal size of 400 mm (W) x 495 mm (D) x 150 mm (H). Top plank shall be thickness of 25 mm with half round edge profile at front side. Drawer shall be sliding type with high quality sliding units. Drawers shall be with locking arrangement with two keys. The fixed pedestal unit shall be fixed with 4 Nos. of legs of size 100 mm (H). The fixed pedestal unit shall be fixed with 4 Nos. of chairs of size 100 mm (H) at top of the unit and side desk top.</p>	
10	<p>HIGH BACK CUSHIONED REVOLVING CHAIR FOR SENIOR EXECUTIVES:-</p> <p>Material Code No. HY7802161738</p> <p>SEAT / BACK ASSEMBLY:- The seat / back are to be made of 12 mm thick hot pressed ply wood, upholstered with changeable upholstery fabric covers and moulded polyurethane foam, together with moulded back - spine cover. The back foam is to be designed with counter lumbar support for extra comfort. The Polyurethane foam is moulded with density - 45 ± 2 Kg/Cu. m and hardness = 20 ± 2 on Hamden machine at 25% compression. Rear side of the Back rest and bottom of the Seat shall be covered with Black Polypropylene covers.</p> <p>Seat Height : 460 ± 10 mm to 580 ± 10mm</p> <p>Height of Chair: 1050 ± 10 mm to 1180 ± 10 mm</p> <p>Back Size: 720 ± 10 mm X 480 ± 10 mm</p> <p>Seat Size: 440 ± 10 mm X 480 ± 10 mm</p> <p>ARM REST:- Arm rest are to be made of Black integral skin polyurethane with 50 to 70 shore hardness and reinforced with MS insert. The arm rest should be scratch and weather resistant. The arm rest are to be fitted to the seat and back with arm rest connecting strip assembly, made of 0.5 Cm thick HR steel.</p> <p>PERMEANENT CONTACT MECHANISM:- The permanent contact mechanism with 360 degree revolving facility and provision for back tilt arrangement. Required facility for tilt tension adjustment has to be provided.</p> <p>HEIGHT ADJUSTMENT:- The Gas lift for height adjustment may be of personalized choice, with upright position locking arrangement.</p> <p>TELESCOPIC BELLOW ASSEMBLY:- The bellow with three piece telescopic type and injuction moulded in Black poly propylene.</p> <p>PEDESTAL ASSEMBLY:- The pedestal has to be fabricated using 0.2 Cm thick CR Steel, powder coated and fitted with an injuction moulded in Black Polypropylene hub cap. 5 Nos. of twin wheel castors are to be provided. The castor wheels made of Nylon material and twin wheel castors with hood for extra protection may be used.</p>	
11	<p>Specification for 14 Seater Modular Conference Table</p> <p>Material Code : HY7802161754</p> <p>Main Table tops: Main table tops made of high density MDF board thickness 37.6 mm (18 mm + 18 mm + 0.6 mm DL + 0.4 mm membrane). 14 seater table shall consist the following size of table tops.</p> <p>Half round table tops 2 seater – Radius – 713 mm – 2 nos.</p> <p>Two Seater (Rectangular Shape) – 1350 mm (L) x 600 mm (W) – 4 Nos.</p> <p>Rectangular Seater (Square type) – 675 mm (L) x 600 mm (W) – 2 Nos.</p> <p>Edge profile: - Water fall edge profile 10 mm radius on top edge and 5mm at bottom.</p> <p>Top Skin: - PVC Membrane foil (0.4 mm thick) clad on the MDF board using PV glue for better adhesion. This foil is pre-coated with layer of polyurethane for better scratch resistance and PVC membrane shall be terminated up to 6" of depth underneath (bottom) of the table top.</p> <p>Colour : As required</p> <p>Under Structure :</p> <p>Legs: Made from pre-laminated twin boards of 18 mm thick.</p> <p>Wire Carrier : Made from 0.6 mm thick CRCA painted.</p> <p>Carrier cover : Made of 12 mm thick MDF over all painted board.</p> <p>Table Design : As enclosed.</p> <p>Overall table size : 4725 mm (L) x 1400 mm (W) x 750 mm (H).</p>	

12	<p>Specification for 8 Seater Modular Conference Table</p> <p>Material Code : HY7802161789</p> <p>Main Table tops: Main table tops made of high density MDF board thickness 37.6 mm (18 mm + 18 mm + 0.6 mm DL + 0.4 mm membrane). 14 seater table shall consist the following size of table tops.</p> <p>Half round table tops 2 seater – Radius – 713 mm – 2 nos.</p> <p>Two Seater (Rectangular Shape) – 1350 mm (L) x 600 mm (W) – 2 Nos.</p> <p>Edge profile: – Water fall edge profile 10 mm radius on top edge and 5mm at bottom.</p> <p>Top Skin : – PVC Membrane foil (0.4 mm thick) clad on the MDF board using PV glue for better adhesion. This foil is pre-coated with layer of polyethylene for better scratch resistance and PVC membrane shall be terminated up to 6” of depth underneath (bottom) of the table top.</p> <p>Colour : As required</p> <p>Under Structure :</p> <p>Legs: Made from pre-laminated twin boards of 18 mm thick.</p> <p>Wire Carrier : Made from 0.6 mm thick CRCA painted.</p> <p>Carrier cover : Made of 12 mm thick MDF over all painted board.</p> <p>Table Design : As enclosed.</p> <p>Overall table size : 2700 mm (L) x 1400 mm (W) x 750 mm (H).</p>	
13	<p>LOW BACK CUSHIONED CHAIR (REVOLVING TYPE):-</p> <p>Material Code No. HY7802161762</p> <p>SEAT / BACK ASSEMBLY:- The seat and back are to be made of 12 mm thick hot pressed ply wood, upholstered with changeable upholstery fabric covers and moulded polyurethane foam, together with moulded back – spine cover. The back foam is to be designed with counter lumbar support for extra comfort.</p> <p>POLYURETHANE FOAM : The Polyurethane foam is moulded with density - 45 ± 2 Kg/Cu. m and hardness = 20 ± 2 on Hamden machine at 25% compression.</p> <p>ARM REST : The armrests to be made of black integral skin polyurethane with 50-70 shore hardness and reinforced with MS insert. The armrest should be scratch weather resistant. The armrests are to be fitted to the seat with seat/armrest connecting strip assly. made of 0.5 cm thick HR steel.</p> <p>PERMANENT CONTACT MECHANISM : The permanent contact mechanism with 360 degree revolving facility and provision for back tilt arrangement. Required facility for tilt tension adjustment has to be provided.</p> <p>HEIGHT ADJUSTMENT : The gas lift for height adjustment may be personalized choice with upright position locking arrangement.</p> <p>TELESCOPIC BELOW ASSEMBLY : The below with 3 piece telescopic type and injection moulded in black polypropylene.</p> <p>PEDESTAL ASSEMBLY : The pedestal has to be fabricated using 0.2cm thick CR. Steel, powder coated and fitted with an injection moulded in black polypropylene hub cap. 5 Nos of twin wheel castors with hood for extra protection may be used.</p> <p>DIMENSIONS :</p> <p>Seat Height = 46 ± 1 cm – 58 ± 1 cm. Width of Chair = 73 ± 2 cm</p> <p>Height of Chair = 81±1 cm – 95±1 cm, Depth of Chair = 73 ± 2 cm</p> <p>Back Size: 490 ± 10 mm X 480 ± 10 mm</p> <p>Seat Size: 440 ± 10 mm X 480 ± 10 mm</p>	
14	<p>Specification for Mod. Alu. Fr. – 4 Seater Workstation</p> <p>Material Code : HY7802161878</p> <ul style="list-style-type: none"> • The Modular Workstation Partition system shall be combination of panel and tile based system. • The Modular Workstation Partition shall be professional, robust and shall have a thickness of 65 mm (Tolerance - ± 5 mm). • Size: End to end – 3000 mm (L) x 3000 mm (W) x 1350 mm (H) <p>Main Classification</p> <ul style="list-style-type: none"> • Main Frame Structure • Connectors • Panels / Tiles • Trims • External Cladding • Support Systems • Raceways & Cable management <p>Frame Structure</p> <p>The frame of the modular partition systems should have strength to bear all loads. Frame shall be made up with aluminum extruded sections and engineered for strength, flexibility, cable management and support. The structure shall have verticals at the extreme ends for making further combination of frames and horizontal members at different levels like one at the work surface for fixing work top, then one at some height above the top for fixing accessories like book / paper / telephone holder. All the members of the frame shall be metal powder coated with thickness of at least 45 – 50 microns. There should be provision of raceway channel at the skirting level and above the table top level as double raceway cable management system to accommodate data and electrical cable at two different levels. The horizontal members shall have grooves for accessories attachment. All the members of the frame shall have thickness of 1.50 mm. All the members shall be on snap fitting. Workstation frames shall have with floor level adjuster upto 25 mm height. Connectors should have 2-way / 3-way / 4-way with end caps and bushes made of aluminum, partition top rails and ports made of curved aluminum profile. In fill of partitions frame shall be made of selected fabric / laminate / glass / magnetic white board / pin up board. Work top shall be made of 25 mm thick edge banded prelaminated particle board top supported with aluminum cantilevers.</p>	

Features:	
<ul style="list-style-type: none"> • Slots for supporting bracket • Levelers for individual frames • Flexibility for fixing add on frames • 2 Dimensional cable management • Dual raceway for data & power 	
Connectors	
The connectors shall be available for different configurations i.e. 2way, 3way, and 4 ways. Work stations should provide enough space at the connectors for routing and turning of cables. All the connector caps shall be Pressure die casted Aluminum Alloy with powder coated. Panel jointers shall be fabricated MS component which shall be nut bolted to the frame for the extra rigidity.	
Panels / Tiles	
System shall be externally fitted with 9 mm tiles / panels. The partition shall have two types of panels / tiles configuring pre-laminated board below the table top and fabric board (or) tiles with fabric / laminated / glass finish above the table top (or) the fabric panel / tiles should have provision of magnetic (or) pin up board. Panels / tiles shall be fixed to the frame using a unique arrangement of hook on clips at bottom and snap fit clip on the top of the frame. This arrangement shall have a dual advantage (i) Faster installation (ii) Proper alignment of tiles. All laminated tiles shall be lipped with 0.45 mm thick PVC edge board.	
Trims	
The segmental profile at the end trim of the frames shall provide the required finish and aesthetics for the work station. The trims shall be extruded aluminum sections with powder coated. The top trim shall be snap fitted to the frame for faster installation.	
Trim Features	
<ul style="list-style-type: none"> • Extruded aluminum trims. • Extruded trims shall be engineered for rigidity and functionality. • Various end caps compatible at the ends. • Pre-cut sizes for easy installation. • Trims as well as end caps shall be in powder coated finish. 	
External Cladding	
System shall be externally fitted with 9 mm tiles for easy accessibility to the cables and replacing whenever required. Cladding tiles shall be in various materials like magnetic fabric, laminated particle board, marker board, pinup fabric board etc and type and combinations of boards will be finalized after placement of order for supply. Cladding tiles shall be fixed to the frame using a unique arrangement of clip on clips at the bottom and snap fit clip on the top of the tile. This arrangement shall have a dual advantage (i) Faster installation (ii) Proper alignment of tiles. All laminated tiles shall be lipped with thick PVC edge board.	
Support System	
Work station should have standard support systems like cantilever, bracket, left / right brackets , stabilizer brackets and panel brackets to sustain work top and other loads.	
Worktop	
Worktop should be rectangular / curvilinear work top, made of 25mm thick both side pre laminated particle board with 1.5mm thick PVC edge banding. The worktop should be attached to partition's members with table top brackets/ cantilever brackets for better load transmission and support. The type of work top and laminate shade should be approved by the BHEL.	
Side Panel	
The Side Panel should be made of 18mm thick pre laminated board/MDF board with 1.5mm thick PVC edge banding. The laminate shade should be approved by the BHEL. The side panel should be attached with worktop with proper joineries.	
Keyboard Tray	
Keyboard Tray will made in 18mm thick PLB with palm rest panel. Tray should be mounted on telescopic sliders.	
CPU Trolley	
CPU trolley should be made with Mild Steel with twin wheel castors powder coated.	
Raceways & Cable Management	
The raceway channel shall be same material as that of frame members with same powder coating and wall thickness of 1.50 mm. The raceway shall be provided at the skirting level and above the table top and the same should be 100 mm wide (together of data and power cable separate raceways) with cross sectional thickness of minimum 50 mm thick for running data, telephone and electrical cable. The raceway above the table top shall be operable without affecting the work top.	
Raceway system should be pivotal raceway system for full access to the frame during installation and for easy routing of cables. Ample space shall be available for planning cable layout within the frame. Cable can be routed from floor / wall, whichever is possible to the partitions. There shall be separate raceway provision for data and power. Cable hangers shall be provided for neatness in the cable management.	

15	VERTICAL STORAGE WITH SLIDING DOOR UNIT (SMALL):-
	Material Code No. HY7802161746
	Storage Unit: Required for the storage of variety of documents, office files, stationary items, manuals, documents etc.
	Construction: CRCA steel conforming to IS 513 Gr. D. with metal door and wooden top. The minimum thickness of CRCA steel is 1.00 mm and the thickness of pre laminated particle board is 25 mm. The edges of PLB are to be finished with 2mm thick PVC lipping. Provision of metal top (below PLB) has to be ensured.
	Dimensions: 900 mm (W) 450 mm (D) x 750 mm (H) approx.
	Sliding door arrangement: Full height sliding door with top hanging arrangement to prevent derailment. Each door shall be provided with two plastic rollers having steel ball bearing for smooth movement of door.
	Locking & Handle: Aesthetically appealing die cast 5 lever cam lock with 2 keys. Keys should have unique system such that interchangeability with other unit is not there. Handle shall be of plastic flush & recessed modal.
	Shelves: CRCA steel conforming to IS 513 Gr. D thickness 1.00 mm (minimum) – height wise adjustable shelf mounting. Uniformly distributor load carrying capacity of 70 kg maximum for each self. Two numbers of adjustable shelves per storage unit. (3 levels formed by 1 No. of adjustable shelves).
Painting: Epoxy polyester powder coated to the thickness of minimum 40 microns. Before powder coating, metal surfaces are to be treated for antirust.	

16	<p>Specification for 16 Seater Modular Conference Table</p> <p>Material Code : CG3900001707</p> <p>Main Table tops : Main table tops made of high density MDF board thickness 37.6 mm (18 mm + 18 mm + 0.6 mm DL + 0.4 mm membrane). 14 seater table shall consist the following size of table tops.</p> <p>Half round table tops 2 seater – Radius – 713 mm – 2 nos.</p> <p>Two Seater (Rectangular Shape) – 1350 mm (L) x 600 mm (W) – 6 Nos.</p> <p>Edge profile : - Water fall edge profile 10 mm radius on top edge and 5mm at bottom.</p> <p>Top Skin : - PVC Membrane foil (0.4 mm thick) clad on the MDF board using PV glue for better adhesion. This foil is pre-coated with layer of polyurethane for better scratch resistance and PVC membrane shall be terminated up to 6" of depth underneath (bottom) of the table top.</p> <p>Colour : As required</p> <p>Under Structure :</p> <p>Legs: Made from pre-laminated twin boards of 18 mm thick.</p> <p>Wire Carrier : Made from 0.6 mm thick CRCA painted.</p> <p>Carrier cover : Made of 12 mm thick MDF over all painted board.</p> <p>Table Design : As enclosed.</p> <p>Overall table size : 5400 mm (L) x 1400 mm (W) x 750 mm (H).</p>	
17	<p>Specification of Two Seater modular Work Station for Clerical / LWC(Ladies Welfare Centre) Staff</p> <p>Material Code : HY7802161983</p> <ul style="list-style-type: none"> The Modular Workstation Partition system shall be combination of panel and tile based system. The Modular Workstation Partitions shall be professional and shall have a thickness of 50 mm (Tolerance - ± 5 mm). Size: End to end – 2500 mm (L) x 650 mm (W) x 1350 mm (H) Tolerance (±5 mm). <p>Main Classification</p> <ul style="list-style-type: none"> Main Frame Structure Connectors Panels / Tiles Trims External Cladding Support Systems Raceways & Cable management <p>Frame Structure</p> <p>The frame of the modular partition systems should have strength to bear all loads. Frame shall be made up with aluminum extruded sections and engineered for strength, flexibility, cable management and support. The structure shall have verticals at the extreme ends for making further combination of frames and horizontal members at different levels like one at the work surface for fixing work top, then one at some height above the top for fixing accessories like book / paper / telephone holder. All the members of the frame shall be metal powder coated with thickness of at least 45 – 50 microns. There should be provision of raceway channel at the skirting level and above the table top level as double raceway cable management system to accommodate data and electrical cable at two different levels. The horizontal members shall have grooves for accessories attachment. All the members of the frame shall have thickness of 1.50 mm. All the members shall be on snap fitting. Workstation frames shall have with floor level adjuster upto 25 mm height. Connectors should have 2-way / 3-way / 4-way with end caps and bushes made of aluminum partition top rails and ports made of curved aluminum profile. In fill of partitions frame shall be made of selected combination of fabric / laminate / glass / magnetic white board / pin up board. Work top shall be made of 25 mm thick edge banded prelaminated particle board top supported with aluminum cantilevers.</p> <p>Features:</p> <ul style="list-style-type: none"> Slots for supporting bracket Levelers for individual frames Flexibility for fixing add on frames 2 Dimensional cable management Dual raceway for data & power <p>Connectors</p> <p>The connectors shall be available for different configurations i.e. 2way, 3way, and 4 ways. Work stations should provide enough space at the connectors for routing and turning of cables. All the connector caps shall be Pressure die casted Aluminum Alloy with powder coated. Panel jointers shall be fabricated MS component which shall be nut bolted to the frame for the extra rigidity.</p> <p>Panels / Tiles</p> <p>System shall be externally fitted with 9 mm tiles / panels. The partition shall have two types of panels / tiles configuring pre-laminated board below the table top and fabric board (or) tiles with fabric / laminated / glass finish above the table top (or) the fabric panel / tiles should have provision of magnetic (or) pin up board. Panels / tiles shall be fixed to the frame using a unique arrangement of hook on clips at bottom and snap fit clip on the top of the frame. This arrangement shall have a dual advantage (i) Faster installation (ii) Proper alignment of tiles. All laminated tiles shall be lipped with 0.45 mm thick PVC edge board.</p> <p>Trims</p> <p>The segmental profile at the end trim of the frames shall provide the required finish and aesthetics for the work station. The trims shall be extruded aluminum sections with powder coated. The top trim shall be snap fitted to the frame for faster installation.</p> <p>Trim Features</p> <ul style="list-style-type: none"> Extruded aluminum trims. Extruded trims shall be engineered for rigidity and functionality. Various end caps compatible at the ends. Pre-cut sizes for easy installation. Trims as well as end caps shall be in powder coated finish. 	

External Cladding
System shall be externally fitted with 9 mm tiles for easy accessibility to the cables and replacing whenever required. Cladding tiles shall be in various materials like magnetic fabric, laminated particle board, marker board, pinup fabric board etc and type and combinations of boards will be finalized after placement of order for supply. Cladding tiles shall be fixed to the frame using a unique arrangement of clip on clips at the bottom and snap fit clip on the top of the tile. This arrangement shall have a dual advantage (i) Faster installation (ii) Proper alignment of tiles. All laminated tiles shall be <u>ligned with thick PVC edge board.</u>
Support System
Work station should have standard support systems like cantilever, bracket, left / right brackets , stabilizer brackets and panel brackets to sustain work top and other loads.
Worktop
Worktop should be rectangular / curvilinear work top, made of 20mm thick both side pre laminated particle board with 1.5mm thick PVC edge banding. The worktop should be attached to partition's members with table top brackets/ cantilever brackets for better load transmission and support. The type of work top and laminate shade should be approved by the BHEL. The table top shall be at the height of 750mm from the ground level.
Keyboard Tray
Keyboard Tray will made in 18mm thick PLB with palm rest panel. Tray should be mounted on telescopic sliders.
CPU Trolley
CPU trolley should be made with Mild Steel with twin wheel castors powder coated.
Raceways & Cable Management
The raceway channel shall be same material as that of frame members with same powder coating and wall thickness of 1.50 mm. The raceway shall be provided at the skirting level and above the table top and the same should be 100 mm wide (together of data and power cable separate raceways) with cross sectional thickness of minimum 50 mm thick for running data, telephone and electrical cable. The raceway above the table top shall be operable without affecting the work top.
Raceway system should be pivotal raceway system for full access to the frame during installation and for easy routing of cables. Ample space shall be available for planning cable layout within the frame. Cable can be routed from floor / wall, whichever is possible to the partitions. There shall be separate raceway provision for data and power. Cable hangers shall be provided for neatness in the cable management.

18	Specification for Low back cushioned revolving chair / clerical
	Material Code : HY7802161380
	1) Seat / Back Assembly :
	The seat and back shall be made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam shall be designed with countered lumber support for extra comfort.
	Seat Height = 44 ± 1 cm – 56 ± 1 cm. Width of Chair = 73 ± 2 cm
	Height of Chair = 80 ± 1 cm – 92 ± 1 cm, Depth of Chair = 73 ± 2 cm
	Back Size: 490 ± 10 mm X 480 ± 10 mm
	Seat Size: 440 ± 10 mm X 480 ± 10 mm
	2) Polyurethane Foam :
	The Polyurethane foam shall be moulded with density = 45 +/- 2 kg/m and Hardness = 20 +/- 2 on Hampden machine at 25% compression.
	3) Armrests :
	The armrest tops shall be injection moulded from black Polypropylene. They shall be fitted to tubular armrest supports made of Dia 2.54 cm (1") x 14 BG M.S.E.R.W. tube and black powder coated. The tubular armrest supports shall hold together the seat and back.
	4) Centre Pivot Mechanisms :
	The center pivot mechanisms shall be designed with the following features:
	360 ⁰ revolving type.
	17 ⁰ maximum tilt on pivot at center.
	Tilt tension adjustment.
	Upright locking.
	5) Pneumatic Height Adjustment :
	The Pneumatic height adjustment shall be an adjustment stroke of 9.0 cm.
	6) Telescopic Bellow Assembly :
	The bellow shall be 3 piece telescopic type and injection moulded in black Polypropylene.
	7) Pedestal Assembly :
	The pedestal shall be fabricated from 0.2 cm thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. (castor wheel dia 5.0 cm) The pedestal shall be 60.0 cm pitch center dia. (70.0 cm with castors).
	8) Twin wheel Castors :
	The twin wheel castors shall be injection moulded in Black Nylon.

19	Specification for Mod. Alu. Fr. – 1 Seater Workstation
	Material Code : HY7802161991
	<ul style="list-style-type: none"> The Modular Workstation Partition system shall be combination of panel and tile based system. The Modular Workstation Partition shall be professional, robust and shall have a thickness of 65 mm (Tolerance - ± 5 mm). Size: End to end – 1500 mm (L) x 1500 mm (W) x 1350mm (H)
	Main Classification
	<ul style="list-style-type: none"> Main Frame Structure Connectors Panels / Tiles Trims External Cladding Support Systems Raceways & Cable management

Frame Structure

The frame of the modular partition systems should have strength to bear all loads. Frame shall be made up with aluminum extruded sections and engineered for strength, flexibility, cable management and support. The structure shall have verticals at the extreme ends for making further combination of frames and horizontal members at different levels like one at the work surface for fixing work top, then one at some height above the top for fixing accessories like book / paper / telephone holder. All the members of the frame shall be metal powder coated with thickness of at least 45 – 50 microns. There should be provision of raceway channel at the skirting level and above the table top level as double raceway cable management system to accommodate data and electrical cable at two different levels. The horizontal members shall have grooves for accessories attachment. All the members of the frame shall have thickness of 1.50 mm. All the members shall be on snap fitting. Workstation frames shall have with floor level adjuster upto 25 mm height. Connectors should have 2-way / 3-way / 4-way with end caps and bushes made of aluminum, partition top rails and ports made of curved aluminum profile. In fill of partitions frame shall be made of selected fabric / laminate / glass / magnetic white board / pin up board. Work top shall be made of 25 mm thick edge banded prelaminated particle board top supported with aluminum cantilevers.

Features:

- Slots for supporting bracket
- Levelers for individual frames
- Flexibility for fixing add on frames
- 2 Dimensional cable management
- Dual raceway for data & power

Connectors

The connectors shall be available for different configurations i.e. 2way, 3way, and 4 ways. Work stations should provide enough space at the connectors for routing and turning of cables. All the connector caps shall be Pressure die casted Aluminum Alloy with powder coated. Panel jointers shall be fabricated MS component which shall be nut bolted to the frame for the extra rigidity.

Panels / Tiles

System shall be externally fitted with 9 mm tiles / panels. The partition shall have two types of panels / tiles configuring pre-laminated board below the table top and fabric board (or) tiles with fabric / laminated / glass finish above the table top (or) the fabric panel / tiles should have provision of magnetic (or) pin up board. Panels / tiles shall be fixed to the frame using a unique arrangement of hook on clips at bottom and snap fit clip on the top of the frame. This arrangement shall have a dual advantage (i) Faster installation (ii) Proper alignment of tiles. All laminated tiles shall be lipped with 0.45 mm thick PVC edge board.

Trims

The segmental profile at the end trim of the frames shall provide the required finish and aesthetics for the work station. The trims shall be extruded aluminum sections with powder coated. The top trim shall be snap fitted to the frame for faster installation.

Trim Features

- Extruded aluminum trims.
- Extruded trims shall be engineered for rigidity and functionality.
- Various end caps compatible at the ends.
- Pre-cut sizes for easy installation.
- Trims as well as end caps shall be in powder coated finish.

External Cladding

System shall be externally fitted with 9 mm tiles for easy accessibility to the cables and replacing whenever required. Cladding tiles shall be in various materials like magnetic fabric, laminated particle board, marker board, pinup fabric board etc and type and combinations of boards will be finalized after placement of order for supply. Cladding tiles shall be fixed to the frame using a unique arrangement of clip on clips at the bottom and snap fit clip on the top of the tile. This arrangement shall have a dual advantage (i) Faster installation (ii) Proper alignment of tiles. All laminated tiles shall be lipped with thick PVC edge board.

Support System

Work station should have standard support systems like cantilever, bracket, left / right brackets, stabilizer brackets and panel brackets to sustain work top and other loads.

Worktop

Worktop should be rectangular / curvilinear work top, made of 25mm thick both side pre laminated particle board with 1.5mm thick PVC edge banding. The worktop should be attached to partition's members with table top brackets/ cantilever brackets for better load transmission and support. The type of work top and laminate shade should be approved by the BHEL.

Side Panel

The Side Panel should be made of 18mm thick pre laminated board/MDF board with 1.5mm thick PVC edge banding. The laminate shade should be approved by the BHEL. The side panel should be attached with worktop with proper joineries.

Keyboard Tray

Keyboard Tray will made in 18mm thick PLB with palm rest panel. Tray should be mounted on telescopic sliders.

CPU Trolley

CPU trolley should be made with Mild Steel with twin wheel castors powder coated.

Raceways & Cable Management

The raceway channel shall be same material as that of frame members with same powder coating and wall thickness of 1.50 mm. The raceway shall be provided at the skirting level and above the table top and the same should be 100 mm wide (together of data and power cable separate raceways) with cross sectional thickness of minimum 50 mm thick for running data, telephone and electrical cable. The raceway above the table top shall be operable without affecting the work top.

Raceway system should be pivotal raceway system for full access to the frame during installation and for easy routing of cables. Ample space shall be available for planning cable layout within the frame. Cable can be routed from floor / wall, whichever is possible to the partitions. There shall be separate raceway provision for data and power. Cable hangers shall be provided for neatness in the cable management.

20	<p>Specification for Mod. Alu. Fr. – 2 Seater Workstation</p> <p>Material Code : HY7802161894</p> <ul style="list-style-type: none"> The Modular Workstation Partition system shall be combination of panel and tile based system. The Modular Workstation Partition shall be professional, robust and shall have a thickness of 65 mm (Tolerance - ± 5 mm). Size: End to end – 3000 mm (L) x 1500 mm (W) x 1350 mm (H) <p>Main Classification</p> <ul style="list-style-type: none"> Main Frame Structure Connectors Panels / Tiles Trims External Cladding Support Systems Raceways & Cable management <p>Frame Structure</p> <p>The frame of the modular partition systems should have strength to bear all loads. Frame shall be made up with aluminum extruded sections and engineered for strength, flexibility, cable management and support. The structure shall have verticals at the extreme ends for making further combination of frames and horizontal members at different levels like one at the work surface for fixing work top, then one at some height above the top for fixing accessories like book / paper / telephone holder. All the members of the frame shall be metal powder coated with thickness of at least 45 – 50 microns. There should be provision of raceway channel at the skirting level and above the table top level as double raceway cable management system to accommodate data and electrical cable at two different levels. The horizontal members shall have grooves for accessories attachment. All the members of the frame shall have thickness of 1.50 mm. All the members shall be on snap fitting. Workstation frames shall have with floor level adjuster upto 25 mm height. Connectors should have 2-way / 3-way / 4-way with end caps and bushes made of aluminum, partition top rails and ports made of curved aluminum profile. In fill of partitions frame shall be made of selected fabric / laminate / glass / magnetic white board / pin up board. Work top shall be made of 25 mm thick edge banded prelaminated particle board top supported with aluminum cantilevers.</p> <p>Features:</p> <ul style="list-style-type: none"> Slots for supporting bracket Levelers for individual frames Flexibility for fixing add on frames 2 Dimensional cable management Dual raceway for data & power <p>Connectors</p> <p>The connectors shall be available for different configurations i.e. 2way, 3way, and 4 ways. Work stations should provide enough space at the connectors for routing and turning of cables. All the connector caps shall be Pressure die casted Aluminum Alloy with powder coated. Panel jointers shall be fabricated MS component which shall be nut bolted to the frame for the extra rigidity.</p> <p>Panels / Tiles</p> <p>System shall be externally fitted with 9 mm tiles / panels. The partition shall have two types of panels / tiles configuring pre-laminated board below the table top and fabric board (or) tiles with fabric / laminated / glass finish above the table top (or) the fabric panel / tiles should have provision of magnetic (or) pin up board. Panels / tiles shall be fixed to the frame using a unique arrangement of hook on clips at bottom and snap fit clip on the top of the frame. This arrangement shall have a dual advantage (i) Faster installation (ii) Proper alignment of tiles. All laminated tiles shall be lipped with 0.45 mm thick PVC edge board.</p> <p>Trims</p> <p>The segmental profile at the end trim of the frames shall provide the required finish and aesthetics for the work station. The trims shall be extruded aluminum sections with powder coated. The top trim shall be snap fitted to the frame for faster installation.</p> <p>Trim Features</p> <ul style="list-style-type: none"> Extruded aluminum trims. Extruded trims shall be engineered for rigidity and functionality. Various end caps compatible at the ends. Pre-cut sizes for easy installation. Trims as well as end caps shall be in powder coated finish. <p>External Cladding</p> <p>System shall be externally fitted with 9 mm tiles for easy accessibility to the cables and replacing whenever required. Cladding tiles shall be in various materials like magnetic fabric, laminated particle board, marker board, pinup fabric board etc and type and combinations of boards will be finalized after placement of order for supply. Cladding tiles shall be fixed to the frame using a unique arrangement of clip on clips at the bottom and snap fit clip on the top of the tile. This arrangement shall have a dual advantage (i) Faster installation (ii) Proper alignment of tiles. All laminated tiles shall be lipped with thick PVC edge board.</p> <p>Support System</p> <p>Work station should have standard support systems like cantilever, bracket, left / right brackets , stabilizer brackets and panel brackets to sustain work top and other loads.</p> <p>Worktop</p> <p>Worktop should be rectangular / curvilinear work top, made of 25mm thick both side pre laminated particle board with 1.5mm thick PVC edge banding. The worktop should be attached to partition's members with table top brackets/ cantilever brackets for better load transmission and support. The type of work top and laminate shade should be approved by the BHEL.</p> <p>Side Panel</p> <p>The Side Panel should be made of 18mm thick pre laminated board/MDF board with 1.5mm thick PVC edge banding. The laminate shade should be approved by the BHEL. The side panel should be attached with worktop with proper joineries.</p> <p>Keyboard Tray</p> <p>Keyboard Tray will made in 18mm thick PLB with palm rest panel. Tray should be mounted on telescopic sliders.</p> <p>CPU Trolley</p> <p>CPU trolley should be made with Mild Steel with twin wheel castors powder coated.</p> <p>Raceways & Cable Management</p> <p>The raceway channel shall be same material as that of frame members with same powder coating and wall thickness of 1.50 mm. The raceway shall be provided at the skirting level and above the table top and the same should be 100 mm wide (together of data and power cable separate raceways) with cross sectional thickness of minimum 50 mm thick for running data, telephone and electrical cable. The raceway above the table top shall be operable without affecting the work top.</p> <p>Raceway system should be pivotal raceway system for full access to the frame during installation and for easy routing of cables. Ample space shall be available for planning cable layout within the frame. Cable can be routed from floor / wall, whichever is possible to the partitions. There shall be separate raceway provision for data and power. Cable hangers shall be provided for neatness in the cable management.</p>
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Specification for Conference Hall Table (47 Seater)

Material Code : CG3900001766

Conference hall furniture consists of one 47 seater modular conference table, 47 Nos of low back cushioned revolving type chairs and 49 Nos of low back cushioned non revolving type chairs as described below.

Main Table tops: Main table tops made of high density MDF board thickness 37 mm (18 mm + 18 mm + 0.6 mm DL + 0.4 mm membrane). 47 seater table shall consist the following size of table tops.

Single seater-Quarter round table tops - Radius - 700 mm - 2 nos.

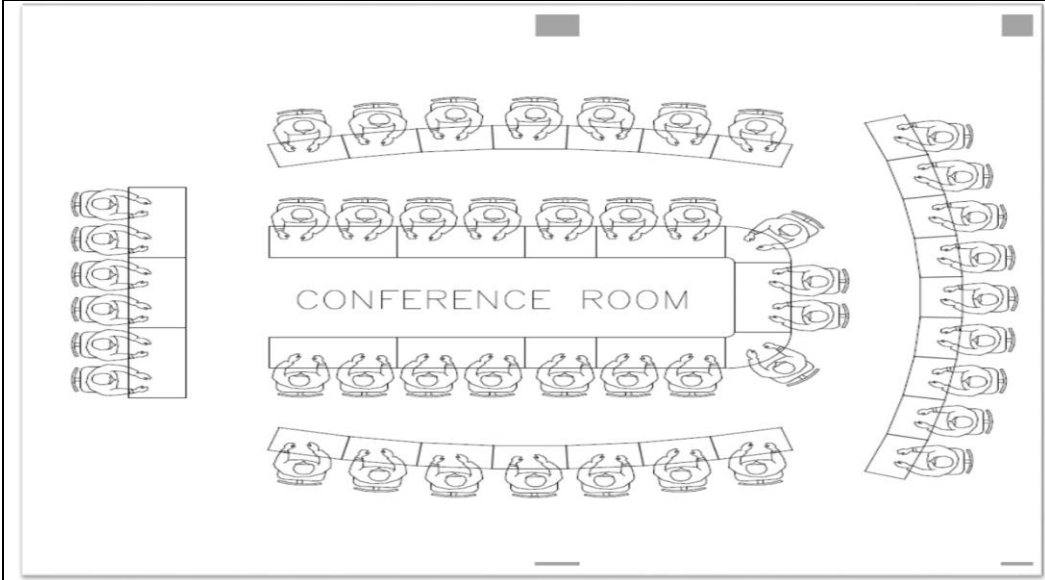
Two Seater (Rectangular Shape) - 1350 mm (L) x 600 mm (W) - 10 Nos.

Rectangular Seater (Rectangular Shape) - 760 mm (L) x 600 mm (W) - 2 Nos.

Single Seater (Rectangular Shape) - 800 mm (L) x 450 mm (W) - 23 Nos.

Edge profile: - Water fall edge profile 10 mm radius on top edge and 5mm at bottom.

Table Design: As shown below.



Top Skin: - PVC Membrane foil (0.4 mm thick) clad on the MDF board using PV glue for better adhesion. This foil is pre-coated with layer of polyurethane for better scratch resistance and PVC membrane shall be terminated up to 6" of depth underneath (bottom) of the table top.

Colour : As required

Under Structure :

Legs: Made from pre-laminated twin boards of 18 mm thick.

Wire Carrier: Made from 0.6 mm thick CRCA painted.

Carrier cover: Made of 12 mm thick MDF over all painted board.

VI) BHEL STANDARD TERMS & CONDITIONS



VENDORS HAVE TO OFFER THEIR TERMS IN THE ALLOTTED COLUMN AND SHALL IDENTIFY DEVIATIONS DISTINCTLY. Suppliers, to fill the following format by writing "Confirmed" in the Supplier Confirmation column. Deviations if any shall be specified in the deviation column. After filling, document shall be

S/N	BHEL Commercial Terms & Conditions	Supplier Confirmation	Deviation
1	Terms of Delivery:		
(a)	Terms of Delivery : Material shall be delivered on FOR - Destination means FOR - B.H.E.L. Hyderabad stores. (Packing & Forwarding, Freight & Insurance are in Supplier's scope i.e. included/indicated in the quoted prices) . Ex-works is not acceptable. In case, any shortage is noticed viz-viz PO requirement in the main equipment/spares, such shortage shall be replenished by supplier on FOR destination basis without any cost implication to BHEL i.e. freight & insurance charges etc. upto destination for such short supplies shall be borne by the supplier. Please also note that any short supply will attract imposition of penalty on the total P.O. value. (Supply+E&C).		
2	Delivery Period: 3 Months; Grace Delivery Period with loading: 2 Months; Maximum acceptable Delivery Period: 5 Months		
(a)	The Bidder should quote their earliest schedule for Supply against the schedule indicated above with respect to date of P.O. and upto quoted Terms of Delivery. The delivery period in no case shall be linked with extraneous conditions/stipulations such as approval of drawings etc.		
(b)	Any offer beyond the "max. acceptable delivery period" shall be rejected .All offers which do not confirm to the specified delivery period mentioned above , but are within the "max. acceptable delivery period" shall be loaded for the delayed delivery beyond 'X' @ 0.5% per week or part thereof subject to a maximum of 5% of the total quoted supply value.		
3	Payment Terms: Offer with deviations to BHEL Payment Terms will be loaded as under.a) Bench Mark Prime Lending Rate (BPLR) of SBI as applicable on the scheduled date of Tender (Techno-Commercial Bid) Opening +2%, for the amount and period of relaxation sought by the bidder. Offers with insistence of advance payment and non-acceptance to CEBG clause are liable to be rejected. In no case BHEL shall accept liability towards interest.		
(a)	Terms of Payment: (Installation(E&C) is to be done by vendor) 80% payment of supply value will be made on 45th day from the date of receipt of material at BHEL Stores, Hyderabad. Balance 20% of supply value + 100% Installation portion of P.O. value will be paid after successful Installation of the equipment and subjected to submission & acceptance of Performance Bank Guarantee of 10% of contract value valid for 30 days beyond the guarantee period. Note: Installation charges value should be quoted separately by bidders and it should not be less than 5%. Only in case where quoted value is less than 5 % or separate Installation values are not mentioned in the offer, value for Installation portion shall be deemed to be considered as 5% of Supply order value and accordingly supply value will be adjusted from that quoted value and balance will be released as Installation charges payment.		
4	Warranty / Guarantee Period: Equipments shall be guaranteed against workmanship, materials used, design and performance should be for a period of 24 months from the date of Installation of equipment. NOTE: Offers with No Guarantee shall be rejected.		
	Loading Factor for non-acceptance of Guarantee Period: Less than 24 months from Installation will attract loading of AMC charges for difference of quote with warranty / guarantee period. Example : If a Supplier provides 18 months guarantee period, in place of 24 months, then the difference of 6 months will be loaded with AMC charges of 4% per annum for difference period of 6 months i.e. 2% of total cost will be loaded for evaluating lowest bidder.		

5	<p>CONTRACT EXECUTION BANK GUARANTEE(CEBG): CEBG is applicable for each PO, where PO value is more than Rs. 20.00 Lakhs that will be placed against entered Rate Contract. Vendor shall have to furnish a CONTRACT EXECUTION BANK GUARANTEE(CEBG) for 10% (TEN percent) of the Total PO value (Supply + E&C) in the prescribed format within 30 days from the date of PO. CEBG shall be from the one of the consortium banks of BHEL or from a reputed bank and confirmed by any consortium banks of BHEL. All bank charges on account of issuance and confirmation of CEBG whether incurred in India or outside India will have to be borne by the vendor. CEBG shall be kept valid until 30 days after the date of Installation certificate, which will be issued on completion of E&C of equipment which includes Erection, Commissioning, Job proving, Performance tests, Training to operators etc. as prescribed in PO. Under all circumstances, CEBG shall be kept valid, till the PBG becomes operational.</p> <p>If the supplier fails to submit the CEBG even within 60 days from the date of PO, BHEL reserves the right to cancel the PO and forfeit EMD given by the supplier. In addition, in such case, action will be initiated in line with extant guidelines for Suspension of Business Dealings with suppliers.</p>		
(a)	CEBG may be given in the form of Cash/Demand Draft, to be deposited in favour of BHEL Ramachandrapuram		
	<p>Note : In case of non submission of CEBG within two months, BHEL shall charge @ 1.5% per month on the CEBG amount for the delayed period portion beyond 2 months and deduct the same in the final bill. CEBG IS NOT APPLICABLE FOR ORDER VALUES LESS THAN RS. 20.00 LAKHS</p>		
6	<p>Penalty for Delay in "Supply" & "Installation": For the purpose of penalty for delay in "Installation" of the equipment, the duration will be reckoned from the date of intimation by BHEL to vendor for readiness of site. Penalty for Delay in "Supply" and / or "Installation" will be applicable for the delays attributable to vendor. Penalty will be considered separately for "Supply" & "Installation". Rate of penalty for delayed supply shall be at the rate 0.5% per week of delay of total PO value (Supply + Installation) in supply subject to max. of 10% of total PO value (Supply + Installation). The Rate of penalty for delayed Installation shall be at the rate 0.5% per week of delay of total PO value (supply + Installation) in Installation subject to max. of 10% of total PO value (supply + Installation). Max. penalty for delay in "Supply" & "Installation" together shall be limited to 15% of total PO value (supply + Installation). Loading on account of non acceptance of penalty for delayed supply and / or Installation shall be as under: Loading Factor for non-acceptance of Penalty Clause: It will attract maximum 10% loading on the offer and accordingly proportionate percentage will be loaded for accepting less percentage of penalty clause. Example : If the Supplier has accepted for maximum 5% penalty clause, then balance 5% will be loaded on supply value for evaluating lowest bidder.</p>		
7	<p>Performance Bank Guarantee (PBG): The Supplier shall submit a PBG for 10% of the Total PO value valid for 30 days beyond Warranty / Guarantee period</p>		
	Offers with non-acceptance of Performance Bank Guarantee clause will be rejected.		
8	<p>Installation Schedule: Supplier to specify clearly the time period for erection & commissioning of the equipment starting from the date of intimation by BHEL regarding site readiness. Supplier shall start the Installation immediately after Supply and shall complete Installation as early as possible. Installation period shall not exceed One Month from the date of intimation by BHEL regarding site readiness and Offers quoting Installation period more than ONE Month are liable for rejection. Bidders shall quote Installation period of less than ONE Month.</p>		
9	<p>Erection & Commissioning (Installation) Charges: Erection & Commissioning(Installation) value will include services to be rendered at BHEL like Erection, Commissioning, performance testing. E&C value should be quoted separately by bidders and it should not be less than 5% of total Supply value. Only in case where quoted value is less than 5 % or separate E&C values are not mentioned in the offer, value for E&C portion shall be deemed to be considered as 5% of Supply order value and accordingly supply value will be adjusted from that quoted value and balance will be released as E&C payment.</p>		
10	Commercial Terms & Conditions quoted in any place other than this format, including in Vendor's General Terms & Conditions enclosed, if any, shall be summarily ignored and be invalid for evaluation of Bids.		

11	Validity of Offer: The quotation should be valid at least for a period of 180 days from the tender (Techno-Commercial Bid) opening date. Price quoted should be on firm price basis. Price Variation Clause within this period will not be entertained.		
12	Risk Purchase: If the vendor fails to deliver the goods beyond penalty period specified in the Purchase Order, BHEL will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the supplier 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. <u>BHEL reserves the right not to consider offers from vendors not accepting the above Risk Purchase terms</u>		
13	Inspection of Samples:- Vendors shall keep samples of the offered models ready for inspection at Suppliers works. BHEL technical committee shall visit for inspection of samples and technical qualification will be done based on the Inspection report submitted by the BHEL technical committee. Supplies shall be inline with the approved samples .		
14	The tenderer shall furnish an undertaking that the tenderer has not been black listed / debarred by any Central / State Government Organisations and PSU's.		
15	Declaration: Vendors shall give a declaration that particular columns given in the nit documents have not been altered by them		
16	Reverse Auction: BHEL intends to Finalize the Tender through Reverse Auction. Please furnish the details as requested below along with the confirmation to RA. BHEL reserves the right to decide the tender through Reverse Auction (RA) route. BHEL will decide (after technical bid opening), at its discretion, to process the tender through Reverse Auction or by opening price bids.Vendors are advised not to quote higher prices in price bid, presuming that there will be an opportunity to reduce the same during Reverse Auction. In case BHEL decides to process the tender by opening the price bids instead of Reverse Auction, there is no provision for revising the quoted prices and vendors may lose the opportunity in view of the higher prices, if any, quoted by them. BHEL reserves right to reject the offers not accepting for RA. {Note: For the entered decrement in the total value during RA, each item value should be decreased proportionately as per percentage of the item value with respect to total cost.}		
a)	Name of the Representative participating in the RA:		
b)	Address of the Company		
c)	Landline No.:		
d)	Fax No.:		
e)	Mobile No.:		
f)	E-Mail ID:		
17	Rates quoted by the L1 Vendor for the items as per Annexure A shall be considered to enter into the Rate Contract for ONE year.		
18	Maximum quantity: The likely quantity is indicated in Annexure A. Orders will be placed as and when requirement comes subjected to the sanction of Funds, such that the maximum quantity of each item shall not exceed quantities specified in the Annexure A.		
19	Validity of Contract: Rates should be valid for a period of ONE year from the date of entering into Rate Contract. Rates quoted should be on firm price basis and Price Variation Clause within this period will not be entertained. BHEL shall enter into Rate Contract only for ONE year. However, statutory levies and duties shall be applicable as per Government notifications time to time.		
20	Termination of Contract: BHEL reserves right to terminate the contract at any time or stage during the contract period by giving 15 days notice with or without assigning any reasons without any Financial consideration/implication.		
21	Bidder should have Service Centre Locally. Address of the local Service Centre shall be furnished.		
Note : The bidders should comply with the above Terms & Conditions. Non-adherence may lead to rejection.			

Calculations for Supply			
		Percentage	Value
D	Packing & Forwarding Charges @ X % (X% of A)		
E	Total (A+D)	NA	
F	Excise Duty @ Y% (Y% of E)		
G	Total including Excise Duty (E+F)	NA	
H	CST @ Z% (Z % of F)		
I	Total with ED and CST (G+H)	NA	
J	Freight Chrges @ P% (P % of A) (Upto BHEL, R C Puram)		
K	Insurance Chrges @ Q% (Q% of A) (Upto BHEL, R C Puram)		
L	TOTAL COST TO BHEL FOR SUPPLY (I+J+K)	NA	
Calculations for Services			
		Percentage	Value
M	Total Installation Service Charges (B)	NA	
N	Service Tax @ R% (R % of M)		
O	TOTAL COST TO BHEL FOR SERVICES(M+N)	NA	
Calculations - TENDER EVALUATION COST			
P	TOTAL COST TO BHEL FOR SUPPLY & SERVICES (L+O)		

NOTE: All Percentages shall be upto two decimals

IX) Bank Guarantee Format

FORMAT FOR BANK GUARANTEE TO BE SUBMITTED ON Rs. 100.00 NON-JUDICIAL STAMP PAPER

B. G. No. _____ Dt: _____

This Deed of Guarantee made this _____ day of _____ one thousand nine hundred _____ between _____ (Bank) herein after called "the Guarantor" (Which expression shall unless repugnant to the context or meaning there of be deemed to include its successors and assigns) of the ONE PART and M/s. Bharat Heavy Electricals Limited (A Government of India Undertaking) a company incorporated under the Companies Act, 1956, having its registered office at ' BHEL ' House Siri Fort, New – Delhi 110 049 through its Unit / Division at _____ here in after called " the company " (which expression shall unless repugnant to the context or meaning there of be deemed to include its successors and assigns) of the OTHER PART

WHERE AS M/s. _____ (here in after referred to as the Contractor / Supplier) have entered into a contract bearing No. _____ , dated _____ (here in after referred to as " the Contract ") for the supply / Construction of _____ with the company.

AND WHERE AS the Contract inter-alia provides that the Contractor / Supplier shall furnish to the company a sum of Rs. _____ /- (Rupees _____ only) towards security deposit or Bank Guarantee in lieu there of for due and faithful performance of the contract in the form and manner specified there in.

AND WHERE AS the Contractor / Supplier has approached the Guarantor and in consideration of the arrangement arrived at between the Contractor/ Supplier and the Guarantor, the guarantor has agreed to give the Guarantee as here in after mentioned in favour of the company.

.... 2/-

(Full Signature of the Executant with seal)

B. G. No. _____ Dt: _____

now the deed witnesses as follows

This Guarantor do here by guarantee to the company the due and faithful performance, observance or discharge of the Contract by the Contractor / Supplier and further unconditionally and irrevocably undertake to pay to the company without demur and merely on a demand, tot he extent of Rs. _____ /- (Rupees _____ only) and claim made by the company on them for any loss, damage, costs, charges and expenses caused to or suffered by the company by reason of the Contractor / Supplier making any default in the performance, observance or discharge of the terms, conditions, stipulations or undertakings or any one of them as contained in the contract.

2. The decision of the company whether any default has been occurred or has been committed by the Contractor / Supplier in the performance, observance or discharge of any of the terms, conditions, stipulations or undertakings or any one of them as contained in the Contract and / or as to the extent of loss, damage, costs, charges and expenses caused to or suffered by the company by reason of the Contractor / Supplier making any default in the performance, observance or discharge of any of the terms, conditions, stipulations or undertakings or any one of them shall be conclusive and binding on the Guarantor irrespective of the fact whether the Contractor / Supplier admits or denies the default of questions the correctness of any demand made by the Company if any Court, Tribunal or Arbitration proceedings or before any other authority.

The Company shall have the fullest liberty without affecting in any way the liability of the Guarantor under this Guarantee, from time to time to vary any of the Terms and Conditions of the Contract or extend time of performance by the Contractor / Supplier or to postpone for any time and from time to time any of the powers exercisable by it against the Contractor / Supplier any either to enforce or forbear from enforcing any of the terms and conditions governing the Contract or securities available to the company and the Guarantor shall not be released from its liability under those presents by any exercise by the company of the liberty with reference to the matters aforesaid or by reason of time being given to the Contractor / Supplier or any other forbearance, act or omission on the part of the Company or any indulgence by the Company to the Contractor / Supplier or of any other matter or thing what so ever which under the law relating to sureties would, but for this provision has the effect of so releasinallation" together shall be limited to 15% of total PO v

.... 3/-

(Full Signature of the Executant with seal)

B. G. No. _____ Dt: _____

3. The Guarantor further agrees that the Guarantee here in contained shall remain in full force and effect from _____ to _____ i.e. the period that would be taken for the performance of the Contract and it claims satisfied or discharged and till the Company certifies that the terms and conditions of the Contract have been fully and properly carried out by the Contractor / Supplier and accordingly discharge this Guarantee, subject, however, that the company shall have no claim under this Guarantee after _____ (Date) unless a notice of the claim under this Guarantee has been served on the Guarantor within _____ months from the expiry of the said period in which case the same shall be enforceable against the Guarantor notwithstanding the fact that the same is enforced after the expiry of the said period.

The guarantor undertakes not to revoke this guarantee during the period it is in force except with the previous consent of the company in writing and agree that any liquidation or winding up or insolvency or dissolution or any change in the constitution of the contractor / supplier or the Guarantor shall not discharge the Guarantor's liability here under.

It shall not be necessary for the Company to proceed against the Contractor / Supplier before proceeding against the Guarantor and the Guarantees here in contained shall be enforceable against them notwithstanding any security which the Company may have obtained or obtain from the Contractor/ Supplier shall at the time when proceedings are taken against the Guarantor here under be outstanding or unrealized.

The guarantor here by declares that it has power to execute this Guarantee under its Memorandum and Articles of Association and the executant has full powers to do so on its behalf under the power of attorney granted to him by the proper authorities of the guarantor.

The Laws of India shall be applicable for the purpose of this Bank Guarantee and any matter arising out of or in connection with the Bank Guarantee, the place of Jurisdiction shall be at Hyderabad/Sanga Reddy in India Court only.

Notwithstanding anything contained herein before the Guarantee is restricted to Rs. _____ (Rupees _____ only) and shall remain in force from _____ to _____ with a claim period of _____ months thereafter i.e., up to _____ (date) _____

.... 4/-

(Full Signature of the Executant with seal)

:: 4 ::

B. G. No. _____ Dt: _____

IN WITNESS WHERE OF THE _____ (Bank) and M/s. Bharat Heavy Electricals Limited have here unto set and subscribed their respective hands the day, month and year first above written.

SIGNATURE FOR AND ON BEHALF
OF THE BANK WITH SEAL

WITNESSES:

-1

-2

LIST OF CONSORTIUM BANKS:(OMI-219)

1. State Bank of India
2. ABN Amro Bank N.V.
3. Bank of Baroda
4. Canara Bank
5. Citi Bank N.A.
6. Corporation Bank
7. Deutsche Bank
8. HDFC Bank Ltd.,
9. The Hongkong and Shanghai Banking Corporation Ltd.
10. ICICI Bank Ltd.
11. IDBI Ltd.
12. Punjab National Bank
13. Standard Chartered Bank
14. State Bank of Travancore
15. State Bank of Hyderabad
16. Syndicate Bank.
17. Allahabad Bank

18. Andhra Bank
19. Bank of India
20. Bank of Maharashtra
21. Central Bank of India
22. Dena Bank
23. Indian Bank
24. Indian Overseas Bank
25. Oriental Bank of Commerce
26. Punjab & Sind Bank
27. UCO Bank
28. Union Bank of India
29. United Bank of India
30. Vijaya Bank
31. State Bank of Bikaner & Jaipur
32. State Bank of Indore (merged with SBI)
33. State Bank of Mysore
34. State Bank of Saurashtra