



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirapalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY

NOTICE INVITING TENDER

Phone: +91 431 257 76 53

Email : skaruna@bheltry.co.in

spsey@bheltry.co.in

Web : www.bhel.com

TWO PART BID

Tender to be submitted in two Parts

Enquiry
Number:

2631700109

Enquiry
Date:

05.12.2017

Due date for submission
of quotation:

27.12.2017

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

Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer should reach physically on or before 14.00 Hrs(IST) on the Date of tender opening. Tenders received after 14.00Hrs (IST) will not be considered for evaluation.

Item	Description	Quantity	(Indigenous Vendors) Matl. Will be Delivered to
10	Multi-Colour LED wall Display as per the technical specification & commercial conditions applicable (To be downloaded from web site www.bhel.com or http://tenders.gov.in)	3 Nos	FOR, BHEL Stores, HPBP, Trichy

Important points to be taken care during submission of offer

- 1) Material shall be delivered to (By Indigenous vendors): As stated above.
- 2) By Foreign Vendors: CFR Chennai Seaport / Airport
- 3) Delivery required 1 month from the date of purchase order.
- 4) Erection & Commissioning period required 3 Weeks from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.
- 5) EMD for this Tender will be (INR): NIL
- 6) Compliance Forms. TRY/IMP/04 & TRY/IND/04A to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
- 7) All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM / CE / GENL / GENL / 001 - EMD) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference .

Tenders should be submitted before 14.00Hrs (IST) on the due date
Tenders will be opened online at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**


DGM / Capital Equipment / MM

S.PARTHASARATHY
MANAGER
CAPITAL EQUIPMENT / MM
BHEL, TRICHY-620014.

MULTICOLOUR LED WALL DISPLAY

PART A

SECTION 1: Qualifying Criteria - The BIDDER has to compulsorily meet the following requirements to get qualified for considering the technical offer:

S. No.	REQUIREMENTS	VENDOR's RESPONSE
1.1	Only those vendors (OEM), should quote, who have supplied and commissioned in the last five years (as on the date of opening of Tender (first date)) at least ONE LED DISPLAY BOARD of minimum 5ft x 3 ft size with IP 65 protection or better. Purchase reference and supply invoice of the same to be enclosed for documentary proof. The name and contact details of the customer to be furnished to whom the above was supplied.	
1.2	BHEL reserves the right to verify the information provided by vendor. In case the information provided is found to be false/incorrect, the offer shall be rejected.	

SECTION 2: The Bidder / Vendor is requested to provide the following information:

S. No.	REQUIREMENTS	VENDOR's RESPONSE
2.1	The BIDDER/VENDOR to furnish Reference List of Customers, with full address, details of contact person, where LED Display board has been supplied in the past (Maximum 10 references only).	
2.2	Details of LED display boards supplied to other BHEL units or other companies if any. (PO no., Year of commissioning, capacity)	
2.3	Details on Service after Sales setup in India including the Address of Agents / Service Centres in India.	

SECTION 3: The Bidder / Vendor to note the following:

S. No.	REQUIREMENTS	VENDOR's RESPONSE
3.1	The bidder / vendor shall submit the offer in two parts: 1. Technical Offer (with Part A & Part B) 2. Commercial offer & Price Bid.	
3.2	The Technical Offer submitted by the bidder shall contain complete details against all clauses of Part A & Part B of BHEL Tender specification. Technical offer submitted with incomplete details or information shall be disqualified.	
3.3	The Technical Offer shall be supported by product Catalogues & Data Sheets and also technical details of Bought Out Items.	
3.4	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price Bid, for confirmation.	

TECHNICAL SPECIFICATION FOR MULTICOLOUR LED WALL DISPLAY

PART B

S. NO.	BHEL SPECIFICATION		VENDOR'S OFFER
1.0	PURPOSE: LED DISPLAY UNIT shall be suitable for displaying messages, logos, Target numbers, quality, safety and other related information. The messages will consist of Alphabets, numerical and special characters. There is a requirement of simultaneous display of static (logo) and scrolling (text/information) on the given surface area.		
2.0	CONFIGURATION:		
2.1	Display Size	Minimum of 5 ft x 3 ft. Size may be moderated to the nearest of this requirements depending on LED block sizes.	
2.2	Display Type	LED-Multi colour type.	
2.3	No. of sides	One side display	
2.4	Enclosure material	Aluminium, powder-coated finish with toughened glass at front	
2.5	Complete Enclosure size	Vendor to specify	
2.6	Stand for the Display	Powder coated finish Aluminium Stand offering a height of 8 metres from ground level for the lower side of the display. The stand should hold the display in full and be rugged not to offer vibrations or disturbance for the display during movement. The movement should be supported by wheels with stop bush.	
3.0	LED /Module Requirement:		
3.1	Module size	Vendor to specify the size. The packing of the modules should be in such a way to meet the minimum requirements of 5 ft x 3 ft.	
3.2	No. of modules	Vendor to specify	
3.3	Pixel Pitch	Minimum 10mm (H) x 10mm (v). Vendor to specify the exact pitch.	
4.0	Display Features:		
4.1	Best viewing distance	Minimum of 15 m	
4.2	Viewing angle	Horizontal: 120° and Vertical 60°	
4.3	Brightness	6000 cd / sq. m or more.	
4.4	Brightness adjustment	Provision for adjusting brightness to be provided	
4.5	No. of rows	Vendor to specify. The requirement is to project both logo and characters on the screen with independent control requirement of all individual rows.-In such cases, the logo will remain static and information will be scrolled.	

4.6	Character size	Variable as per the no. of rows. Vendor to specify the minimum and maximum character size possible for each row arrangement. It should be possible to have at least one row of bigger sizing for highlighting information in the middle of the cross area of the section.	
4.7	Display type	Scrolling and static type- user selectable/programmable type. Vendor to indicate whether multiple programs can be stored in memory and retrieved for use as required.	
5.0	Controlling Features:		
5.1	Control method	Synchronization. All rows are to be independently operated for static/dynamic conditions.	
5.2	Scan method	1/4 Scanning or better	
5.3	Frame frequency	Vendor to specify	
5.4	Refresh frequency	Vendor to specify	
6.0	Software and Communication:		
6.1	Data interface	From PC/Laptop via LAN/RS-485/Ethernet. Vendor to provide the necessary interface cable and programming device as Laptop. Kindly check mandatory spare list for complete information.	
6.2	Software	Vendor to install the software in laptop and also to provide the software setup with life time validity. Software shall be provided on a CD/DVD with valid license numbers for back up in 02 Nos.	
7.0	Memory	Ability to retain the last message displayed in till new message update is to be inbuilt on the display board. Memory should be retained even in case of power failures.	
8.0	Mounting:		
8.1	Mounting type	Roof-hanging or Wall-mounting provisions to be made available. Supply will be Display + stand configuration as per description.	
8.2	Mounting location	To be designed considering Outdoor location- Prone to direct sunlight, Dust etc.	
8.3	Ambient temp	Up to 55 deg. C	
8.4	IP protection	IP 65 protection required	
9.0	LIFE TIME:		
9.2	Life span of LED	More than 10,000 hours	
10.0	Power supply	BHEL will supply 230 V $\pm$ 10 %V, 50Hz $\pm$ 3 Hz at one point near to the equipment. Power Cable supply (of around 3 metres for each display) is in the scope of the vendor.	
10.1	Stabiliser	Voltage Stabiliser of BIS rating is to be supplied by the vendor for each of the display as mandatory spare.	

11.0	Additional details		
11.1	Weight	To be specified by vendor	
11.2	Power Consumption	To be specified by vendor	
11.3	Structural features	To be specified by vendor	
12.0	Installation and training	Supplier to install the equipment at BHEL works and provide training during installation.	
13.0	Guarantee	24 Months from the date of commissioning at BHEL works	
14.0	Spares	All the following are mandatory spares : (i) Replacement PCB for controller – 02 No. (ii) LED Modular Block – 03 Sets. (1 Set means no. of modules required to display 5 feet message-length wise i.e. (5 feet/module length)) (iii) One no. of Laptop of Dell/HP configuration with minimum 4 GB, 1 TB, Windows 10 and above configuration – 01 No.	
15.0	Quote type	Vendor to quote by the following list separately: (i) LED Wall display (5 ft. x 3 ft.) with stand – 03 Nos. (ii) Stabilizer – 03 Nos. (iii) Spare Control PCB – 02 Nos. (iv) Spare LED Modular Block for one row – 03 Nos. (v) Programming Laptop – 01 No.	