



ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್
भारत हेवी इलेक्ट्रिकल्स लिमिटेड


Bharat Heavy Electricals Limited
(A Government of India Undertaking)

ELECTRONICS SYSTEMS DIVISION
P.B.No 10010, Plot No. 98, Electronics City Phase I,
Hosur Road, Bangalore - 560 100

NOTICE INVITING TENDER

FOR: REFILLING AND HYDROSTATIC PRESSURE TESTING OF FIRE EXTINGUISHERS AT BHEL-ESD

1.	TENDER REFERENCE NO.	BHEL/ESD/FS/WC/S/FE-RF/2021-22/10
2.	NAME OF THE WORK	REFILLING AND HYDROSTATIC PRESSURE TESTING OF FIRE EXTINGUISHERS AT BHEL-ESD
3.	Type of Tender	Open Tender Two part Bid
4.	DURATION OF CONTRACT	6 Weeks
5.	LAST DATE AND TIME FOR THE RECEIPT OF COMPLETED TENDER	BEFORE 13.15 HRS. ON 08.11.2021
6.	DATE , TIME AND PLACE FOR TENDER OPENING	AT 13:30 Hrs. ON 08.11.2021 IN BHEL-ESD RECEPTION AREA
7.	PLACE OF SUBMISSION OF COMPLETED TENDER:	TO BE DROPPED IN THE " <u>MONDAY</u> " <u>TENDER BOX</u> KEPT IN THE RECEPTION AREA AT BHEL, ELECTRONICS SYSTEMS DIVISION, Electronics City ROAD, BANGALORE – 560100 Or Send via email to praveenksinha@bhel.in
8	NOTE	All the conditions mentioned in the tender has to accepted in order to technically qualify in the tender.


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಕಾರ್ಖಾನೆ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/फैक्ट्री सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BENGALURU-560100

Signature & Seal of Issuing Officer

Page 1 of 10

Signature & Seal of Bidder




ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್
भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited
(A Government of India Undertaking)

ELECTRONICS SYSTEMS DIVISION
P.B.No 10010, Plot No. 98, Electronics City Phase I,
Hosur Road, Bangalore - 560 100

9.	<p>PAYMENT TERMS: 100% Payment shall be made after satisfactory completion of work and submission of tax invoice and certificates. Tax invoice must contain details of GST number of BHEL and contractor. Payment shall be made through NEFT. NEFT Form is attached with the tender. Vendor has to fill-up the NEFT Form and get is signed and sealed by their bank manager and submit along with a cancelled cheque for payment. BHEL EDN GST NO. 29AAACB4146P1ZB</p>	ACCEPTED / NOT ACCEPTED
10.	<p>EMD: The tender must be accompanied by deposit receipt for the amount of Rs.854/- as Earnest Money Deposit. EMD may be furnished in any of the following forms: (A) Banker's Cheque/Pay Order/Demand Draft in favour of BHEL-EDN, Bangalore – 560026 (along with offer). (B) Through SBI collect. EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of award of work. The EMD shall not carry any interest. No exemption for EMD payment shall be provided to MSME/NSIC certificate holders as this is a works contract.</p>	Pls. provide EMD Details:


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಫ್ಯಾಕ್ಟರಿ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/फैक्ट्री सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BANGALURU-560100

Signature & Seal of Issuing Officer

Page 2 of 10

Signature & Seal of Bidder




ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್
भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited
(A Government of India Undertaking)

ELECTRONICS SYSTEMS DIVISION
P.B.No 10010, Plot No. 98, Electronics City Phase I,
Hosur Road, Bangalore - 560 100

11.	<p>SECURITY DEPOSIT:</p> <p>Upon acceptance of the tender, the successful tenderer shall remit the security deposit with Bharat Heavy Electricals Ltd within the time as specified in the Letter of Intent. The total amount of Security Deposit will be 5% of the contract value. EMD of the successful Tenderer shall be converted and adjusted towards the require amount of Security Deposit.</p> <p>Security deposit may be furnished in any one of the following forms:</p> <p>(A) Local cheques of scheduled banks, subject to realization/Pay order/Demand draft/Electronic Fund Transfer in favour of BHEL.</p> <p>(B) Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.</p> <p>(C) Fixed Deposit Receipt issued by Scheduled Banks/Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.</p> <p>(D) Securities available from Post Offices such as National Saving Certificates, Kisan Vikas Patras etc., (Certificate should be held in the name of contractor furnishing the security and duly endorsed/hypothecated/pledged, as applicable in favour of BHEL).</p> <p>(Note: BHEL will not be liable or responsible in any manner for the collection of interest).</p> <p>(E) Collection of Security:</p> <p>At least 50% of the Security Deposit, including the EMD, should be collected before start of the work. Balance of the Security Deposit can be collected by deducting 10% of the gross amount progressively from each of the running bills of the contractor till the total amount of the Security deposit is collected.</p> <p>Security Deposit shall be released to the contractor upon fulfilment of contractual obligations as per terms of the contract. The Security Deposit shall not carry any interest.</p>	<p>ACCEPTED / NOT ACCEPTED</p>
-----	--	---


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಕಾರ್ಖಾನೆ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/फैक्ट्री सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BENGALURU-560100




ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್
भारत हेवी इलेक्ट्रिकल्स लिमिटेड


Bharat Heavy Electricals Limited
(A Government of India Undertaking)

ELECTRONICS SYSTEMS DIVISION
P.B.No 10010, Plot No. 98, Electronics City Phase I,
Hosur Road, Bangalore - 560 100


12.	Documents required to be submitted along with Tender document: - a) Tender Notice Documents signed and sealed by the tenderer as accepted. b) Copy of PAN/GIR No. Registration Certificate issued by Income Tax Authority c) Registration Certificate indicating GSTIN No. and SAC No. d) Price bid shall be submitted in a separate cover and tender documents, along with EMD and other documents asked in the tender notice, in a different cover. Both these covers shall be separately sealed and then put together in a single cover and sealed. e) Completed tender in all respect shall be addressed to Dy. Manager/Factory Services, BHEL – ESD, Electronics City, Ph-1, Bangalore – 560100	SUBMITTED / NOT SUBMITTED


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಫ್ಯಾಕ್ಟರಿ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/फैक्ट्री सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BENGALURU-560100

13.	Technical Specifications: (A) Refilling of carbon dioxide in fire extinguishers: a. Carbon dioxide shall be as per IS: 15222:2002 b. The minimum gas purity shall be 99.5 % (v/v) c. The water content shall not be more than 0.015 % (m/m) d. Oil ppm by weight shall not be more than 5 ppm. e. Vendor should provide warranty of 1 yr. against refilling defects. (B) Refilling of extinguishers with ABC dry chemical powder and pressurization of fire extinguisher: a. ABC Dry chemical powder as per IS: 14609:1999 (reaffirmed 2004) suitable for extinguishing fires of class A, Class B and class C as per the following specifications: b. The dry chemical powder shall be compatible with all types of foam covered under IS: 4989 (part 1, 2, and 3). c. The apparent density of the dry chemical powder shall be between 0.75 and 1.10 g/ ml (Apparent density = 100/volume of powder in ml). d. Shall contain 90% Mono Ammonium Phosphate. e. Supplier shall mention the storage instructions. f. Supplier shall submit MSDS for the product. g. The following shall be clearly mentioned in quotation and suitable catalogue shall be submitted along with quotation: i. Manufacturers name or trade name. ii. Date of manufacture and its batch number. iii. Base material and its percentage. iv. BIS certification h. The successful vender (if not a manufacturer of powder) shall submit the purchase details of the powder filled in the extinguisher and a copy of the invoice etc. shall be submitted to BHEL during refilling. i. Propellant for the pressurization should be air/carbon dioxide, nitrogen or the mixture of these gases having a maximum dew point of -55 deg. C	ACCEPTED / NOT ACCEPTED
------------	--	--


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಫ್ಯಾಕ್ಟರಿ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/फैक्ट्री सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BENGALURU-560100

	<p>j. Vendor should provide warranty of 1 yr. against refilling defects.</p> <p>(C) Hydrostatic pressure test of Carbon Dioxide Fire Extinguishers:</p> <p>i. Carbon dioxide fire extinguishers shall be tested as per IS: 5844-1970 (Reaffirmed 2006)</p> <p>ii. The test pressure shall be 250 kg/ cm² (As per the IS 2190:2010)</p> <p>iii. Test certificate shall be submitted and shall be valid for further five years.</p> <p>iv. Test facility should be approved by PESO (Petroleum & Explosives Safety Organisation)</p> <p>(D) Hydrostatic pressure test of Dry Chemical Powder Fire Extinguishers</p> <p>i. Dry Chemical Powder Fire Extinguishers shall be tested as per IS: 2190:2010</p> <p>ii. Test pressure shall be 35 kg/cm² for a period of 2.5 minutes</p> <p>iii. Test certificate shall be submitted and shall be valid for three further three years.</p> <p>iv. Test certificate shall be issued by competent person authorized by Department of Factories, Boilers, Industrial Safety & Health, Govt. of Karnataka.</p> <p>The fire extinguishers shall be sent in a single lot for refilling and pressure testing. Vendor has to provide temporary replacement for the fire extinguishers taken. The temporary fire extinguishers shall be returned upon return of the BHEL fire extinguishers. Transportation to and from BHEL shall be in the scope of vendor. Price quoted should be inclusive of the transportation and other charges.</p>	
14.	<p>Special Conditions: Successful Bidder should have their business office/Branch office at Bangalore with adequate Administrative/Technical staff.</p>	<p>ACCEPTED /</p> <p>NOT ACCEPTED</p>


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಕಾರ್ಖಾನೆ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/कारखाने सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BENGALURU-560100




ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್
भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited
(A Government of India Undertaking)

ELECTRONICS SYSTEMS DIVISION
P.B.No 10010, Plot No. 98, Electronics City Phase I,
Hosur Road, Bangalore - 560 100

UN-PRICE BID – Pls. tick quoted or not quoted in the following. (Vendor has to accept to all items, in order to technically qualify)				
Sl. No.	ITEM DESCRIPTION	Qty.	Unit	WHETHER QUOTED OR NOT
A	Refilling of Fire Extinguishers			
1	Refilling of ABC Stored Pressure (Dry Powder-MAP) type 2 kg. Capacity Fire Extinguishers	10	Nos.	Quoted / Not Quoted
2	Refilling of ABC Stored Pressure (Dry Powder-MAP) type 5 kg. Capacity Fire Extinguishers	1	Nos.	Quoted / Not Quoted
3	Refilling of ABC Stored Pressure (Dry Powder-MAP) type 6 kg. Capacity Fire Extinguishers	20	Nos.	Quoted / Not Quoted
4	Refilling of ABC Stored Pressure (Dry Powder-MAP) type 10 kg. Capacity Fire Extinguishers	2	Nos.	Quoted / Not Quoted
5	Refilling of Co2 type 2 kgs. Capacity Fire Extinguishers.	1	Nos.	Quoted / Not Quoted
6	Refilling of Co2 type 4.5 kgs. Capacity Fire Extinguishers.	7	Nos.	Quoted / Not Quoted
7	Refilling of DCP type 2 kg Capacity Fire Extinguishers	14	Nos.	Quoted / Not Quoted
8	Refilling of DCP type 10 kg Capacity Fire Extinguishers	1	Nos.	Quoted / Not Quoted
9	Refilling of BC type 2 kg Capacity Fire Extinguishers (DCP type)	2	Nos.	Quoted / Not Quoted
10	Refilling of BC type 10 kg Capacity Fire Extinguishers(DCP type)	1	Nos.	Quoted / Not Quoted


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಫ್ಯಾಕ್ಟರಿ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/फैक्ट्री सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BENGALURU-560100

Signature & Seal of Issuing Officer

Page 7 of 10

Signature & Seal of Bidder




ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್
भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited
(A Government of India Undertaking)

ELECTRONICS SYSTEMS DIVISION
P.B.No 10010, Plot No. 98, Electronics City Phase I,
Hosur Road, Bangalore - 560 100

B	Hydrostatic pressure test			
1	HP Testing of ABC Stored Pressure (Dry Powder-MAP) type 2 kg. Capacity Fire Extinguishers	10	Nos.	Quoted / Not Quoted
2	HP Testing of ABC Stored Pressure (Dry Powder-MAP) type 5 kg. Capacity Fire Extinguishers	1	Nos.	Quoted / Not Quoted
3	HP Testing of ABC Stored Pressure (Dry Powder-MAP) type 6 kg. Capacity Fire Extinguishers	20	Nos.	Quoted / Not Quoted
4	HP Testing of ABC Stored Pressure (Dry Powder-MAP) type 10 kg. Capacity Fire Extinguishers	2	Nos.	Quoted / Not Quoted
5	HP Testing of Co2 type 2 kgs. Capacity Fire Extinguishers.	1	Nos.	Quoted / Not Quoted
6	HP Testing of Co2 type 4.5 kgs. Capacity Fire Extinguishers.	7	Nos.	Quoted / Not Quoted
7	HP Testing of DCP type 2 kg Capacity Fire Extinguishers	14	Nos.	Quoted / Not Quoted
8	HP Testing of DCP type 10 kg Capacity Fire Extinguishers	1	Nos.	Quoted / Not Quoted
9	HP Testing of BC type 2 kg Capacity Fire Extinguishers (DCP type)	2	Nos.	Quoted / Not Quoted
10	HP Testing of BC type 10 kg Capacity Fire Extinguishers (DCP type)	1	Nos.	Quoted / Not Quoted


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಕಾರ್ಖಾನೆ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/फैक्ट्री सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BENGALURU-560100

Signature & Seal of Issuing Officer

Page 8 of 10

Signature & Seal of Bidder



ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್
भारत हेवी इलेक्ट्रिकल्स लिमिटेड


Bharat Heavy Electricals Limited
(A Government of India Undertaking)

ELECTRONICS SYSTEMS DIVISION
P.B.No 10010, Plot No. 98, Electronics City Phase I,
Hosur Road, Bangalore - 560 100

PRICE BID

REFILLING AND HYDROSTATIC PRESSURE TESTING OF FIRE EXTINGUISHERS AT BHEL-ESD

Sl. No.	ITEM DESCRIPTION	Qty	Unit	Rate	Amount
				Rs.	Rs.
A	Refilling of Fire Extinguishers				
1	Refilling of ABC Stored Pressure (Dry Powder-MAP) type 2 kg. Capacity Fire Extinguishers	10	Nos.		
2	Refilling of ABC Stored Pressure (Dry Powder-MAP) type 5 kg. Capacity Fire Extinguishers	1	Nos.		
3	Refilling of ABC Stored Pressure (Dry Powder-MAP) type 6 kg. Capacity Fire Extinguishers	20	Nos.		
4	Refilling of ABC Stored Pressure (Dry Powder-MAP) type 10 kg. Capacity Fire Extinguishers	2	Nos.		
5	Refilling of Co2 type 2 kgs. Capacity Fire Extinguishers.	1	Nos.		
6	Refilling of Co2 type 4.5 kgs. Capacity Fire Extinguishers.	7	Nos.		
7	Refilling of DCP type 2 kg Capacity Fire Extinguishers	14	Nos.		
8	Refilling of DCP type 10 kg Capacity Fire Extinguishers	1	Nos.		
9	Refilling of BC type 2 kg Capacity Fire Extinguishers (DCP type)	2	Nos.		
10	Refilling of BC type 10 kg Capacity Fire Extinguishers(DCP type)	1	Nos.		
B	Hydrostatic pressure test				
1	HP Testing of ABC Stored Pressure (Dry Powder-MAP) type 2 kg. Capacity Fire Extinguishers	10	Nos.		


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಕಾರ್ಖಾನೆ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/फैक्ट्री सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BENGALURU-560100


Signature & Seal of Issuing Officer

Page 9 of 10

Signature & Seal of Bidder

2	HP Testing of ABC Stored Pressure (Dry Powder-MAP) type 5 kg. Capacity Fire Extinguishers	1	Nos.		
3	HP Testing of ABC Stored Pressure (Dry Powder-MAP) type 6 kg. Capacity Fire Extinguishers	20	Nos.		
4	HP Testing of ABC Stored Pressure (Dry Powder-MAP) type 10 kg. Capacity Fire Extinguishers	2	Nos.		
5	HP Testing of Co2 type 2 kgs. Capacity Fire Extinguishers.	1	Nos.		
6	HP Testing of Co2 type 4.5 kgs. Capacity Fire Extinguishers.	7	Nos.		
7	HP Testing of DCP type 2 kg Capacity Fire Extinguishers	14	Nos.		
8	HP Testing of DCP type 10 kg Capacity Fire Extinguishers	1	Nos.		
9	HP Testing of BC type 2 kg Capacity Fire Extinguishers (DCP type)	2	Nos.		
10	HP Testing of BC type 10 kg Capacity Fire Extinguishers (DCP type)	1	Nos.		
	Sub.Total (A + B)				
	GST as applicable				
	IGST (%)				
	Or SGST + CGST (%) Or UTGST + CGST (%)				
	TOTAL				

In WORDS: _____


ಪ್ರವೀಣ್ ಕುಮಾರ್ ಸಿನ್ಹಾ, ಉಪ ವ್ಯವಸ್ಥಾಪಕರು/ಕಾರ್ಖಾನೆ ಸೇವೆಗಳು
प्रवीण कुमार सिन्हा, उप प्रबंधक/फैक्ट्री सेवाएं
PRAVEEN KUMAR SINHA, DY. MANAGER/FACTORY SERVICES
BHEL-ESD, ELECTRONICS CITY, BENGALURU-560100

Signature & Seal of Issuing Officer

Page 10 of 10

Signature & Seal of Bidder