



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY

NOTICE INVITING TENDER

Phone: +91 431 257 76 53

Email : skaruna@bheltry.co.in

Web : www.bhel.com

TWO PART BID

Tender to be submitted in two Parts

Enquiry
Number:

2631700006

Enquiry
Date:

07.04.2017

Due date for submission
of quotation:

02.05.2017

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 be reaching 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	Water Mist Fire Fighting System – 1 No as per the technical specification & commercial conditions applicable(To be downloaded from web site www.bhel.com or http://tenders.gov.in)	1.00 No.	FOR, BHEL,Stores, High Pressure Boiler Plant, Trichirappalli - 620014
20	Water Mist Fire Fighting System – 1 No as per the technical specification & commercial conditions applicable(To be downloaded from web site www.bhel.com or http://tenders.gov.in)	1.00 No	For BHEL Stores, Power Plant Piping Unit. Thirumaiyam 622507, Pudukkottai Dist.

Important points to be taken care during submission of offer

- 1) Material shall be delivered to: Indigenous vendors: As stated above.
- 2) Foreign Vendors: CFR Chennai Seaport / Airport
- 3) Delivery required 6 months from the date of purchase order.
- 4) Erection & Commissioning period required 2 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) : 60,000.00
- 6) Checklist No. TRY/IMP/02 & TRY/IND/02A 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 / EPROC / GENL / 001 - EMD) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from <https://bheleps.buyjunction.in> or 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 "2631700006".



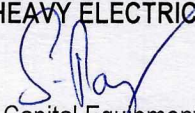
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CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

Item	Description	Quantity	(Indigenous Vendors) Matl. Will be Delivered to
Tenders should be submitted online at our above indicated web portal before 14.00Hrs (IST) on the due date Tenders will be opened online at 14:30 hours on the due date			Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED  DGM / Capital Equipment / MM

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

MOBILE WATER MIST FIRE FIGHTING SYSTEM – QTY. 02 Nos.**PART-A****SECTION- 1: QUALIFYING CRITERIA**

The BIDDER has to compulsorily meet the Qualifying Criteria indicated in **Section 1** to get qualified. Otherwise the technical offer will not be considered.

S NO.	REQUIREMENTS	VENDOR'S RESPONSE
1.1	The BIDDER / VENDOR (OEM) shall have a minimum FIVE Years of Continuous Experience in Design, Manufacture & Supply of “ MOBILE WATER MIST FIRE FIGHTING SYSTEM ”. Vendor shall indicate the actual number of years of experience in the field.	
1.2	Only those vendors (OEMs) should quote, who have commissioned in the last 05 years (as on the original date of tender opening) at least FOUR “MOBILE WATER MIST FIRE FIGHTING SYSTEM having water tank capacity of minimum 100 litres ” EITHER (i) In at least one country other than the country of origin to establish vendor's global business activity. OR (ii) In India and the referred system are presently working satisfactorily for more than one year from the date of commissioning (as on the original date of tender opening). The name and contact addresses of the customers to whom the MOBILE WATER MIST FIRE FIGHTING SYSTEM were supplied to be furnished with details.	
1.3	Vendor has to submit at least TWO PERFORMANCE CERTIFICATE for satisfactory performance of MOBILE WATER MIST FIRE FIGHTING SYSTEM as referred under clause 1.2 above, for a minimum period of one year from the date of commissioning (as on the original date of tender opening) from two different customers in India or in any other country outside the country of origin, supplied and commissioned in the last 05 years. Performance certificate as Original Certificate or E-mail directly from the customer may be submitted. The original certificate may be returned after verification by BHEL, if required. For obtaining the Performance certificate, a suggestive format is provided at the end of Part A.	

1.4	BHEL reserves the right to verify the information provided by the Vendor for the referred MOBILE WATER MIST FIRE FIGHTING SYSTEM at their referred customer's works. It shall be the responsibility of the vendor to facilitate the visit of BHEL's team at their referred customer works. The Travel, Board and Lodging expenses for BHEL Personnel shall be borne by BHEL. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected. BHEL reserves the right to accept or reject the OEMs based on the assessment of their technical and financial capability.	
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SECTION - 2:

The BIDDER / VENDOR are requested to provide the following information:-

S NO.	REQUIREMENTS	VENDOR'S RESPONSE
2.1	The BIDDER / VENDOR to furnish Reference List of Customers, with complete address, details of contact person, where MOBILE WATER MIST FIRE FIGHTING SYSTEM has been supplied in the past.	
2.2	Specify details of MOBILE WATER MIST FIRE FIGHTING SYSTEM supplied to other units of BHEL, if any (Year of commissioning with details etc.	
2.3	Details on SERVICE-AFTER-SALES Set-up in India including the Address of Agents / Service Centres in India.	
2.4	Any Additional data to supplement the manufacturing capability of the BIDDER for the subject equipment.	

SECTION – 3:

The BIDDER to note:

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 and Price bid.	
3.2	The Technical Offer shall contain complete details against all clauses of Technical Specifications given by BHEL. A just 'confirmed' or ' complied' or 'yes' or 'no-deviation' or similar words against unspecified parameters / requirements under technical specification of the tender, may lead to disqualification of the technical offers.	
3.3	The Technical Offer shall be supported by copies of product Catalogues, Data Sheets and 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.	

Suggestive Format of Performance Certificate:

The Performance should be certified by the customer on **Customer's Letter Head** and submitted along with the offer.

PERFORMANCE CERTIFICATE

1.0	MOBILE WATER MIST FIRE FIGHTING SYSTEM Supplied by : (Manufacturer's name)	
2.0	Make & Model number of the Machine	
3.0	Month & Year of Commissioning	
5.0	MOBILE WATER MIST FIRE FIGHTING SYSTEM details:	
5.1	Water tank capacity	
5.2	Pump Discharge capacity & Pressure	
5.3	Type of start-up: Electric starter / card pull start or both	
5.4	Type of Nozzle Gun	
6.0	Performance of the system (Please tick the appropriate option)	Satisfactory Not Satisfactory
7.0	Service after sales (Please tick the appropriate option)	Satisfactory Not Satisfactory
8.0	Other remarks (if any)	
Date:		Signature & Seal of the Authority Issuing the Performance Certificate

PART-B
TECHNICAL SPECIFICATION for
MOBILE WATER MIST FIRE FIGHTING SYSTEM – QTY. 02 Nos.

SL.NO	PARAMETER	BHEL SPECIFICATION	VENDOR'S CONFIRMATION WITH SPECIFIC DETAILS WHEREVER NECESSARY
1.0	FRAME	Stainless steel trolley type frame with carrying handles and castor wheels.	
2.0	Dimension of frame	As compact as possible. Vendor to specify	
3.0	Weight	Approx. 150Kg (without water)	
4.1	Water tank capacity & Location	Minimum 100 liters mounted on the frame	
4.2	Water Inlet	Standard coupling for external water supply with valve	
5.0	Pump classification	High pressure plunger pump	
6.0	Pump discharge capacity & pressure	Minimum 25liters/minutes & pressure 100 - 120 bar .	
7.0	Engine	4 stroke Petroldriven engine.	
7.2	Fuel	Unleaded Petrol	
7.3	Engine Power in BHP	Not less than 13BHP	
7.4	Make& Model of Engine	Vendor to specify	
7.5	Fuel tank capacity (To meet minimum 60 minutes continuous running as per above discharge rate.)	Approximately 5.5 liters.	
8.0	Type of Start & stop	Electric starter with ignition switch, starter button. Emergency stop switch /PB	
9.0	Emergency start	Card pull start	
10.0	Battery with battery charger : The engine should be preferably be on 12 V battery. Maintenance free Battery with suitable A.C battery charger with over charging protection circuit to charge the ignition battery, as well as suitable Battery charge indication.		

11.0	Display	Suitable electronic instruments shall be provided on the body of engine / panel for fuel level, battery & temperature.	
12.0	Extinguishing Gun consist of following components		
12.1	Type of Mist	Jet & Sparay Pattern	
12.2	Nozzle gun	To deliver different water mist pattern configuration with handle to hold the gun. Vendor to provide details.	
12.3	Nozzle Head	Vendor to provide the details like size, material, standards of design / manufacturing for Nozzle head.	
12.4	Discharge rate & Working Pressure at nozzle	Vendor to specify the flow rates & delivery pressure for the different types of water mist configuration w.r.t clause 12.2	
12.5	Throw distance in meter	Jet—not less than 15mts. (+/- 10%) Spray: not less than 6m (+/- 10%) Vendor to confirm & specify	
12.6	Size of Mist Particle	The size of mist particle shall be less than or equal to 200micron. Vendor to confirm & specify with details.	
13.0	Water mist shall be suitable for use on energized electrical equipment fires. Vendor to confirm & provide the details of standards and submit therelevant proof / test certificate along with the offer.		
14.0	FOAM INDUCTION: A suitable means shall be provided for induction of foam so that proportion remains constant and foam quality is maintained. Vendor to provide details.		

15.0	HOSE: The Flame resistant High Pressure hose shall be provided . The material specification, working pressure, test pressure and cracking pressure should be indicated for the supplied hose along with applicable standard.		
15.1	Length of Flame resistant hose shall not be less than 60 m and should be rolled in the frame. Vendor to specify.		
15.2	Hose Rewind	Manual	
15.3	Hose Handling	Convenient for smooth handling and quickly directing on the fire.	
15.4	Hose coupling type	Quick release type	
16.0	TOOL KIT & STANDARD ACCESSORIES: Necessary tools as per the requirement of the system should be provided. Standard accessories, if any should be provided. Vendor to provide the list of tools & standard accessories with the details.		
17.0	Approval /Test certificate: The water mist mobile unit shall have a third party approval from recognised testing organisation. Vendor to submit the relevant approval certificate.		
17.1	SPARES: Vendor the quote the spares required for 2 years of trouble-free operation. Vendor to submit the UN-Priced list of spares quoted.		
18.0	DOCUMENTATION: Three sets of Operation & Maintenance Manuals in English language and its soft copies in CD should be supplied along with the equipment. In case of order, copy of necessary Approval / test certificate should be submitted.		
19.0	PRE DISPATCH INSPECTION: PDI at suppliers works by BHEL personnel.		
20.0	INSTALLATION, COMMISSIONING & TRAINING: The indented mobile water mist firefighting system with all Accessories has to be installed & commissioned at BHEL Works, FREE OF COST, by the SUPPLIER. Training should be given to BHEL		

	personnel for one day excluding the no. days for commissioning the equipment. Vendor to confirm.	
21.0	WARRANTY: Supplier shall ensure the warranty for the Equipment & accessories (including Bought-Out Items) for its performance for a minimum period of one year from the date of performance acceptance at BHEL Works	
22.0	Annual maintenance contract (OPTIONAL)	
22.1	The BIDDER has to QUOTE IN SEPEARTE SEALED COVER for AMC for a period of THREE YEARS after the expiry of ORIGINAL WARRANTY period.	