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## ITER-India, Institute for Plasma Research

Block A, Sangath SKYZ, Bhat- Motera Road, Koteswar, Ahmedabad 380005 Gujarat,India.

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Email : purchase@iter-india.org

### ENQUIRY - LOCAL

OFFICE COPY                      ENQUIRY NO                      : I-IEN19058  
Date                                      : 06/01/2020  
Due Date                                : 11/02/2020 by 5:00 PM (IST)

We invite your rate/s for the following item/s. The Instructions to bidders and Terms & Conditions are attached herewith.

#### Important Note :

1. Enquiry No., Date & Due Date should appear on the envelope otherwise your offer will be rejected.
2. Address quotation only to the Purchase officer.

Sr No.	Material Description	Quantity	Unit
1	AMC - Fire Extinguishers AMC for checking, refilling and maintenance of Fire Extinguishers as per the attached documents, Contract period- 03 Years, Service per Year-04 nos	1	AU

#### Note :

- (1) Submit your quotation AT THE ABOVE ADDRESS.
- (2) Any clarification on this enquiry may be sought from the Purchase Officer, ITER-India
- (3) Quote with complete technical details.
- (4) Quotation should invariably be submitted in the attached format (Quotation Format) ONLY else ITER-India may not consider your offer.
- (5) Annual Maintenance Contract (AMC) for Checking, Maintenance & refilling of Fire Extinguishers other details are as per the attached enquiry document.
- (6) Payment shall be made on quarterly basis within 30 days through RTGS/NEFT from the date of final acceptance of quarterly services at purchaser's site and on receipt of error free invoice and other necessary documents at our end.
- (7) The attached enquiry document (13 pages) to be returned duly filled in, signed & stamped with all the details along with the quotation. This will be considered as acceptance of all details as mentioned in enquiry document.
- (8) Site to be visited and details to be entered as per Annexure III & to be submitted along with offer.
- (9) Rates shall be offered in Annexure-VI.
- (10) AU means Activity Units.
- (11) In a enquiry, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same enquiry.
- (12) The bidder under the category of MSME Enterprise shall attach a MSME Certificate (Udhyog Aadhar) along with the offer.
- (13) No Split of order is envisaged by the Purchaser.

Encl:- as above

Rakhi Dharamdasani

OFFICER-I (PURCHASE & STORES)

ITER-India (IPR)



## TERMS AND CONDITIONS

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1. The quotation and any order resulting from this enquiry shall be governed by our Conditions of Order and supplier quoting against this enquiry shall be deemed to have read and understood the same in to
2. Where counter terms and conditions have been offered by the Tenderer, the same shall not be deemed to have been accepted by ITER-India unless our specific written acceptance thereof is obtained.
3. Quotation: Your quotation superscripting our enquiry No., date, due date and brief description of item should be submitted to the Purchase Officer, ITER-India in sealed envelope on or before the due date. Late/ Delayed/incomplete quotations will not be considered. Envelopes received without Enquiry number, date, due date and brief description of item may be rejected. The quoted prices should be firm for a period of 90 days from due date for placing order. ITER-India is not bound to accept lowest rate/s. Bidder shall submit the price bid/offer on Bidder's letter head with official seal and sign on each page.
4. The bid documents shall be prepared in English language only
5. All pages of the bid documents shall be numbered. Each page of the bid document shall be stamped and initialized.
6. In the event of any date indicated above is a declared Holiday, the next working day with the same time limit shall become operative for the respective purpose mentioned herein
7. In case of deviation in payment terms including demand of advance other than specified in payment schedule and accepted by ITER-India, prevailing Prime Lending Rate (PLR) of SBI will be loaded for price comparison purpose
8. ITER-India and their authorized representatives may visit the Contractor/Sub-contractors if required as part of technical evaluation process
9. ITER-India reserves the right to place order on one or more parties.
10. Specifications: Material should be offered strictly conforming to our specifications/drawings, if any. Deviation, if any, should be clearly indicated by the supplier in their quotation. The Tenderer should also indicate the Make/Type number of the materials offered and catalogues, technical literature and samples, wherever necessary should accompany the quotation. Clarification/s on specifications/drawings should be obtained from Purchase Officer before submitting quotation.
11. Terms of Prices : Quotation should be submitted on door delivery basis, duly packed & insured without extra charge wherever possible.. In the case of Indian suppliers, the material is to be delivered at our stores free of charge duly packed & insured.
12. Unit rate/s should be valid throughout the validity of Purchase Order for addition/deletion purposes. Break-up of price should be furnished. The quoted price should not be subject to price escalation for whatsoever reasons. The quoted price shall be firm, fixed and non-revisable during the validity/ extended validity of Purchase Order.
13. Prices are required to be quoted according to the units indicated in the tender form/Enquiry. When Quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
14. Tender should be free from Correction and Erasures. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail. Unsigned quotations will summarily be rejected.
15. ITER-India shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the tenderers shall supply the same at the rates quoted. ITER-India also reserves the right to split the order at its sole discretion.
16. Octroi is not applicable at present.
17. Delivery Date/Period: Delivery period is essence of the Order. Supplier must indicate the firm delivery date by which the materials will be dispatched / delivered by them from the date of our order.
18. Delivery period shall be clearly indicated against each item separately.
19. Inspection: Materials on its arrival at ITER-India will be inspected by our Engineer/Stores In-Charge, and his decision in the matter will be final. However, where the items are required to be inspected at the Suppliers Premises, Supplier has to give advance notice to the Purchaser regarding readiness of the material to enable Purchase/Stores section to depute his representative for inspection.
20. Payment: Payment will be arranged for accepted materials only within 30 days from the date of acceptance of materials at ITER-India and receipt of error free bills in our accounts section, complete in all respects.
21. No correspondence will be entertained within 30 days from the date of receipt of material and bills, whichever is later.
22. Warranty: The Stores/Items offered should be guaranteed for a minimum period of twelve months from the date of acceptance, against defective materials, design, workmanship, operation or manufacture. For defects noticed and communicated during the Guarantee period, replacement/rectification should be arranged free of cost within a reasonable period of such notification. In case where our specifications call for a guarantee period more than 12 months specifically, then such a period shall apply.
23. The Contractor/Supplier shall at all times indemnify the purchaser against all claims which may be made in respect of the stores for infringement of any right protected by Patent, Registration of design or Trade Mark and shall take all risk of accidents or damage, which may cause failure of supply from whatever cause arising and the entire responsibility for sufficiency of all means used by him for the fulfillment of the Order.
24. Successful tenderer will have to furnish in the form a Bank Guarantee or in Indemnity Bond form as called for by the Purchaser towards adequate security for the materials/property provided/issued by the Purchaser as Free Issue Material for the due execution of the Order. Insurance for the Free Issue Material shall be arranged by the Supplier/Contractor at his risk and cost.
25. Non-compliance to tender specifications and/or tender scope and/or tender terms and conditions are liable for rejection. Decision of ITER-India in respect of non-compliance shall be final and binding on the bidders.
26. Canvassing in any form with regard to this tender will lead to rejection of the bid.
27. The Project Director, ITER-India reserves the right to accept or reject any quotations fully or partly or to cancel the enquiry without assigning any reasons.
28. This enquiry is not a commitment and the Purchaser reserves the right to reject or cancel any or all offers.
29. Jurisdiction: The Order shall be governed by the Laws of India for the time being in force. The Courts of Ahmedabad/Gandhinagar only shall have jurisdiction to deal with and decide any legal or dispute arising out of this Order.
30. Unsuccessful bidders will not be intimated about the results of the enquiry/tender.
31. Purchase will not be responsible for payment of any interest to the Supplier, in case of delay in releasing payment.
32. The price evaluation shall be carried out on Landed price.



**Enquiry document for Annual Maintenance Contract (AMC) for  
Checking, Maintenance & Refilling of Fire Extinguishers**  
[Period: 01.02.2020 to 31.01.2023]  
(Please note that the bidder should sign on all pages)

**Enq. No. : I-IEN19058**

**Date: 06/01/2020**

**Due Date: 11/02/2020**

**1) INTRODUCTION:**

ITER-India is one of the unit of Institute for Plasma Research (IPR) that is located at Bhat-Koteswar road, Ahmedabad. Total 25 nos. of fire extinguishers of various make and capacity are installed at this office building.

ITER-India Laboratory Building of ITER-India, which is, located at Bhat village, near Indira Bridge, Gandhinagar. Total 67 nos. of fire extinguishers of various make and capacity are installed at laboratory building.

The list of all fire extinguishers is attached as **Annexure – I**.

**2) SCOPE OF WORK:**

**Checking, maintenance and servicing of fire Extinguishers (FEs):**

- i. To carry out checking and maintenance of various type of fire extinguishers as per IS 2190:2010 **once in a period of three months (quarterly)** as per **Annexure – II**.
- ii. A weatherproof tag must be prepared by the contractor, get it approved from ITER-India and paste on each of the fire extinguishers. This tag must have,  
  
Sr. No., Type, Capacity, Location, Refilling Date, Hydro Test Date, Date of service, Remarks, Sign, Name of Contractor & contact number, Brief method of operating FE.
- iii. Repair and replace the necessary parts (if required) of the fire extinguisher as instructed by the Engineer in-charge, ITER-India. In case of replacement of the parts, new parts shall be **replaced by the contractor within 03 (three) days from the date of checking** or as instructed by the Engineer in-charge.



- iv. Necessary records of checking, maintenance and refilling to be maintained as per **Annexure – III (A)**. The finished report must be submitted to engineer in charge within FIVE (05) days from the completion of servicing and maintenance.
- v. Register showing status of each and every Fire Extinguisher must be prepared and maintained as per **Annexure – III (B)**.
- vi. Contractor shall carry out refilling of FE, whenever it is required. The contractor has to collect the empty fire extinguishers from the installed site for refilling within 24 hours after registration of the requirement telephonically or through any other media.

Contractor has to ensure that refilled ABC & DCP type FE will be returned back within TEN (10) days, refilled CO<sub>2</sub> type FE will be returned back within FIFTEEN (15) days and refilled Clean Agent type FE will be returned back within TWENTY ONE (21) days.

- vii. Fire extinguishers shall be refilled and/or operated for its performance test as per **Annexure – IV (A)**. Every extinguisher installed in premises shall be hydraulically pressure tested as per **Annexure – IV (B)**.
- viii. The contractor shall at all times keep the site free from the accumulation of waste materials and debris and upon completion of work shall clear away and dispose all the surplus materials, rubbish and temporary works of whatsoever nature and kind. The contractor shall ensure clean and tidy site
- ix. Necessary tools & tackles, instruments, weighing machines (for cartridge & extinguishers), etc. required for checking / refilling are in the scope of contractor. The contractor has to submit valid calibration certificates of measuring instruments that are to be used for carrying out maintenance work every time.
- x. Installation and fixing (as required) of extinguisher at its designated place, is to be done by the contractor.
- xi. All transportation required for the activities like refilling, testing, checking etc. and the transit insurance shall be in the scope of the contractor.
- xii. Serious note shall be taken if the contractor maintained i.e. serviced, refilled, repaired and/or checked fire extinguishers, do not operate during performance testing and/or emergency. The same must be immediately investigated, rectified including refilling and testing, detailed report generated and submitted to engineer in charge by the contractor free of cost.
- xiii. The contractor shall depute technical persons to conduct live demonstration and training in presentation mode at ITER-India to train employees as well as security personnel at each location on **half-yearly basis** at both the site at ITER-India lab. Building and Office building. All arrangements for demonstration shall be done by the contractor.
- xiv. Thorough supervision and responsibility for flawless services lies with the contractor.

*Please note that in order to maintain the FEs in good condition, contractor need to carry out activity(ies) that is not written here exclusively should also be the part of scope without any extra cost.*

### **3) SAFETY CODE:**

- i. The contractor shall cover his employees/workers under PF, ESI, personal accident insurance policy and applicable laws.
- ii. The contractor shall be fully responsible for the behavior, conduct, theft and any breach at security etc. by his personnel and workers.





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- iii. The contractor shall comply with all Govt. rules & regulations for his staff in regard to maintain the applicable labor laws, their amendments etc. in force from time to time.
- iv. The contractor shall comply with the instructions given by the engineer in charge, regarding safety regulations, safety precautions, protective measures, clean-up practices, housekeeping etc.
- v. The contractor shall ensure adequate safety precautions at site as required under the law of land. Contractor must be entirely responsible for safety of their personnel and provide them safety helmets, safety shoes, other safety gadgets as required and prescribed.
- vi. The contractor/service provider shall be entirely & sole responsible & liable safe receipt of fire extinguishers back to Purchaser's site, if taken, out of Purchaser's site for refilling/hydraulic pressure test/Maintenance activity.

#### **4) TERMS AND CONDITIONS:**

- i. The mentioned work shall be carried out under direct supervision of responsible person along with at least two trained persons of the contractor and in the presence of engineer in charge or ITER-India responsible engineer. Change of personnel who carries out the services shall not be allowed.
- ii. Care must be taken while carrying out the job to avoid any damage to equipment & property of ITER-India. Contractor has to pay for the cost of damage.
- iii. Services and maintenance including refilling, repair and replace the necessary parts etc. of the fire extinguisher shall be warranted for a period till the next due date. In case of unexpected intermediate fault or failure, contractor has to start the work within 24 hours after receiving information by engineer in charge.
- iv. The schedule to carry out checking and maintenance of fire extinguishers shall be fixed at least SEVEN (07) days in advance by the contractor and engineer in charge with mutual agreement. Any change in schedule must be intimated THREE (03) days in advance.
- v. Contractor shall be allowed to execute the work from 9.00 a.m. to 5.00 p.m. on all working days.
- vi. Contractor shall respond promptly for any communication made by ITER-India via letter, e-mail or any other mode.
- vii. Contractor shall agree with the same rate for checking and maintenance of the fire extinguishers, if increased 20% of tender quantity of fire extinguishers in future during the contract period.
- viii. In case of servicing, checking, repairing of the system is not carried out as per the schedule, proportionate deduction in payment will be done from the bill.
- ix. In case the contractor fails to carry out the work as per specified scope of work, ITER-India reserves the right to terminate the contract & get the work done from any other party at the risk & cost of contractor.
- x. In case, contractor is failed to return Fire Extinguishers within the time period specified here above in section 3(iv), ITER-India shall issue the show cause notice. If found guilty, the contractor shall be penalized for Rs.1000/- (Rupees One



Thousand only) that shall be deducted from the payment due for the work. Work order shall automatically get void if the penalty imposed for three times.

- xi. Accident/Third Party Liability: The Service Provider will take all possible precautions to avoid damage to the Purchaser's property during its onsite activities. Service Provider shall also take insurance covering third party liability for the personnel and equipments and/or tools deployed at Purchaser's site against all risks, such as injuries, loss of life etc. Service Provider will be fully responsible for payment of compensation. In the event of loss and/or damage to Purchaser's property / any item(s) / equipment and/or injury or loss of life to Purchaser's personnel during the course of onsite activities due to the Service Provider's default. Service Provider will be fully responsible and liable for such damages and/or losses and payment of appropriate compensation as assessed by the Purchaser. Service Provider will relieve the Purchaser from all the risk and liabilities under this clause.

## **Annexure - I**

### **LIST OF FIRE EXTINGUISHERS FOR CHECKING, SERVICING & MAINTENANCE**

<b>Sr. No.</b>	<b>Item Description</b>	<b>Quantity (Nos.)</b>	<b>Location</b>
1	Checking and Maintenance of : i) DCP type (5 Kg.) ii) ABC Type (5 kg.) iii) CO <sub>2</sub> Type (4.5 & 6.5 kg.), iv) Clean Agent Type (2 kg. to 5 kg.)	67	ITER-India LAB. Building, Institute for Plasma Research, Bhat
2.	Checking and Maintenance of : i) ABC Type (4 kg. to 5 kg.), ii) CO <sub>2</sub> Type (4.5 kg.), iii) Clean Agent Type (2 kg. to 5 kg.)	25	Block A, Sangath SKYZ, Bhat-Motera Road, Koteshwar, Ahmedabad

## **Annexure - II**

### **PROCEUDRE FOR MAINTENANCE AND SERVICES OF FIRE EXTINGUISHSERS**

#### **A. Dry Chemical Powder (DCP) type Fire extinguisher:**

The dry powder extinguishers should be opened in a dry room and for a minimum possible time to avoid effect to atmospheric moisture on powder.





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- i. Dry powder extinguisher, where discharge control is fitted on the nozzle, should be operated before opening the extinguisher to ensure that there is no pressure in the extinguisher.
- ii. Weigh the extinguisher to check the correct mass of powder filled in it, which should be marked on the body of extinguisher, and record book when it was first put into service.
- iii. Open the extinguisher, remove gas cartridge, and see that sealing disc is intact. Weigh and compare its mass with full mass of cartridge marked on it. In case, loss of mass is more than 10 percent, it should be replaced by new cartridge.
- iv. Check the operating mechanism, discharge control free movement and closing. Examine nozzle, hose, vent holes, piercing mechanism of cap cartridge holder, grease and wipe clean. Remove the inner shell (if any) and clean portholes.
- v. Empty the dry powder in a dry container and examine for caking, lumps and foreign matter, in which case replace it with new dry powder charge.
- vi. Examine the extinguisher body internally for any damage or corrosion and replace corroded or damaged extinguisher. Clean the extinguisher using dry air.
- vii. Return the original charge to the extinguisher and fit the cartridge and other fittings.
- viii. In case of higher capacity dry powder fire extinguisher as per IS 10658, remove the carbon dioxide cylinder and check the weight marked on the cylinder to ensure that the size conforms to that stipulated in the specification. On weighing, if the loss of mass is more than 10 percent it should be sent for recharging. Also, examine the wheel carriage and discharge hose assembly with control nozzle to allow free flow and test it with dry air.
- ix. In case of dry powder extinguisher for metal fires as per IS 11833, in addition to item 10 above, examine the applicator pipe and the discharge showerhead for freedom from clogging and clean it with dry air. Sample of the dry powder for metal fire shall be tested on a small fire of magnesium turning or chips to ensure that the powder is suitable for metallic fire risks.
- x. The safety valves and pressure gauges fitted on higher capacity extinguishers shall be calibrated once in 3 years and recorded in the register.

#### **B. Carbon Dioxide (CO<sub>2</sub>) type Fire Extinguisher:**

- i. Examine extinguisher body externally. Damaged or corroded extinguisher should be replaced. Weigh the extinguisher, compare mass against the mass marked on it for fully, charged extinguisher. It should be sent for refilling if the loss is more than 10 percent of mass. Clean and polish externally.
- ii. Examine and clean hose, horn and assembly. In case of trolley-mounted extinguisher, examine the wheel carriage to allow free movement.

#### **C. Fire Extinguisher, Stored Pressure Type:**

- i. Examine and verify that the pressure gauge or any other pressure indicating device fitted in is indicating the internal pressure correctly, if the extinguisher shows a loss of pressure of more than 10 percent, refer to the manufacturer's instructions for appropriate action.



- ii. Examine the extinguisher body externally for corrosion or damage.
- iii. Weigh the extinguisher (with or without the operating mechanism according to the manufacturer's instructions) or use suitable alternate means to check that it contains the correct mass of liquid. Check the mass against the mass recorded when it was first put into service.
- iv. Examine the nozzle and hose and clean if necessary. Examine the hose for wear and replace if not in good condition.
- v. Where the extinguishers are designed to have the operating mechanism removed, check the operating mechanism and discharge control (where fitted) for free movement, clean, rectify or replace, if necessary. Replace safety clip/wire seal or equivalent device as originally fitted.

**Note:** *As this type of extinguisher is pressurized, it can be opened for inspection only after discharge of the extinguisher. It should be subjected to discharge/performance test every two years.*

**D. Clean Agent Type Fire Extinguisher:**

- i. Examine extinguisher body externally. Damage or corroded extinguisher should be replaced.
- ii. Check the pressure gauge to see that extinguisher is pressurized correctly. Extinguisher showing loss in pressure should be sent to manufacturer for pressurization.
- iii. Weigh the extinguisher to check its contents of the extinguishing media and compare it with mass recorded on the cylinder. In case of loss of more than 10 percent, the extinguisher should be sent for recharging.

**Annexure - III**

**A. CHECKING AND MAINTENANCE REPORT OF FIRE EXTINGUISHERS**

Sr. No.	F/E No.	Type	Capacity	Location	Safety Clip/Pin	Plunger & Cap/Squeeze Valve/Discharge Valve	Tag	Handle	Discharge Hose/Horn/Nozzle	Pressure Gauge	Date of Servicing	Remarks

Signature with Stamp of the Contractor:

Name of the person:



**B. REGISTER OF FIRE EXTINGUISHER**

Sr. No.	Type	Capacity	Year of Mfg.	Make	Location	Quarterly Service Date	Pressure Tested on	Date of discharge	Refilled on	Due for Refilling	Remarks

Signature with Stamp of the Contractor:

Name of the person:



## **Annexure - IV**

### **FREQUENCY FOR REFILLING/PERFORMANCE TEST AND HYDRAULIC TEST**

#### **A. Extinguishers to be refilled / operated for performance test :-**

##### 1.1 Once in Two Years

- a) Portable fire extinguisher, water type stored pressure,

##### 1.2 Once in Five Years

- a) Portable fire extinguisher, water type (gas cartridge),
- b) Fire extinguisher, carbon dioxide type (portable and trolley mounted),
- c) Clean Agent type fire extinguishers,

##### 1.3 Once in a Three Years – BC and ABC dry powder conforming to IS 4308 and IS 14609.

#### **Important Note:**

- Refilling of CO<sub>2</sub> type FE shall be done with liquid Carbon Dioxide confirming IS 307 and as per the code approved by the PESO.
- Refilling shall be done at installed site with DCP powder (Sodium/Potassium Bicarbonate) confirming IS 4308 & ISI marked.
- Refilling of ABC Fire Extinguishers includes refilling of powder and pressurizing with dry Nitrogen Gas.
- Refilling of ABC & DCP type FE shall be done with Mono Ammonium Phosphate Powder confirming IS 14609 (ISI marked) & cylinder to be pressurized more than 15 kg/cm<sup>2</sup> with dry Nitrogen Gas.
- Refilling of clean agent type Fire Extinguishers includes refilling of clean agent and pressurizing with dry Nitrogen Gas.
- Refilling of Clean Agent type FE shall be done with HCFC Clean gas & cylinder to be pressurized more than 15 kg/cm<sup>2</sup> with dry Nitrogen Gas.
- Chemical Analysis Certificate and MSDS of all above mentioned refilling shall submit after each refilling of fire extinguishers.

#### **B. Hydraulic Test for Fire Extinguishers: -**

2.1 Every extinguisher installed in premises shall be hydraulically pressure tested as per the schedule given below. There shall not be any leakage or visible distortion. Extinguisher which fails in this requirement shall be replaced. The contractor shall submit the hydraulic pressure testing certificate to the Engineer In-charge, ITER-India.

2.2 The carbon dioxide type and clean agent type fire extinguishers shall be pressure tested every time the cylinders are sent for recharging (after periodic discharge test or otherwise) to the





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pressure specified in the relevant Indian Standard Specifications. The contractor shall submit hydraulic pressure testing certificate for Carbon Dioxide type, which is certified and approved by PESO (earlier known as CCEO).

Sr. No.	Type of Fire Extinguisher	*Test Interval	Test Pressure	Pressure Maintained for
1.	Water type (gas cartridge) (IS 940)	3 year	35 kg/cm <sup>2</sup>	2.5 min
2.	Water type (stored pressure) (IS 6234)	2 year	35 kg/cm <sup>2</sup>	2.5 min
3.	Dry powder type (IS 13849)	3 year	35 kg/cm <sup>2</sup>	2.5 min
4.	Carbon Dioxide (IS 2878)	5 year	250 kg/cm <sup>2</sup>	2.5 min
5.	Clean Agent (IS 15683)	3 year	35 kg/cm <sup>2</sup>	2.5 min

Note: \* Test interval shall be considered either from the date of manufacturing or from the last hydraulic test done on the cylinder.



**Annexure - V**

**RATE SCHEDULE**

**Name of Agency** :  
**Address** :  
**Telephone No.** :  
**Enquiry No.& Date** :

**A. Rate Schedule for Checking Maintenance/ Servicing**  
(Servicing shall be done quarterly. Total four (04) services in a year)  
FE=Fire Extinguisher

Sr. No.	Item Description and location	QTY. FE(a)	No. of service/year (b)	Rate/FE/service (c)	Total Annual Charges [D=(a)*(b)*(c)]
1.	Checking and Maintenance of: i) DCP type (5 Kg.) ii) ABC Type (5 kg.) iii) CO <sub>2</sub> Type (4.5 & 6.5 kg.), iv) Clean Agent Type (2 kg. to 5 kg.) at ITER-India LAB. Building, Institute for Plasma Research, Bhat	67			
	Checking and Maintenance of: i) ABC Type (5 kg.), ii) CO <sub>2</sub> Type (4.5 kg.), iii) Clean Agent Type (2 kg. to 5 kg.) at ITER-India, Block A, Sangath SKYZ, Bhat-Motera Road, Koteswar, Ahmedabad	25			
<b>Total – A</b>					

**Date:**

**Signature & Seal of the Contractor**

Note: The quantity is approximate. However, payment will be made on actual service done for fire extinguishers.

**B. Rate Schedule for Refilling & Hydraulic Pressure Testing of Fire Extinguishers**

Sr. No.	Type	Capacity	Refilling Rate per Fire Extinguisher	Rate for Hydraulic Pressure Test per Fire Extinguisher
1.	CO <sub>2</sub> FE	4.5 Kg		
2.	CO <sub>2</sub> FE	6.5 Kg		
3.	DCP FE	5.0 Kg		
4.	DCP FE	6.0 Kg		
5.	ABC FE	4.0 Kg		
6.	ABC FE	5.0 Kg		
7.	ABC FE	6.0 Kg		
8.	CA FE	2.0 Kg		
9.	CA FE	4.0 Kg		
10.	CA FE	5.0 Kg		
11.	CA FE	6.0 Kg		
			Total –B (1 to 11)	Total – C (1 to 11)

**Date:**

**Signature & Seal of the Contractor**

*L1 bidder shall be decided based on Total A + Total B + Total C. Payment shall be done on actual refilling and/or hydraulic pressure test carried out on FEs.*

**C. Rate Schedule for Consumables / Spares**

Sr. No.	Description	Rate per Unit
<b>DCP Fire Extinguisher (Capacity 2.0kg to 10 kg.)</b>		
1.	Discharge hose pipe	
2.	Squeeze grip	
3.	Gun metal cap assembly	
4.	S.S. Safety Clip	
5.	Cap Washer	
<b>CO<sub>2</sub> Fire extinguisher (Capacity 2 kg. To 5.0 kg.)</b>		
1.	Discharge hose pipe	





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2.	Discharge horn	
3.	Handle	
4.	Safety Pin With Holder	
<b>CO<sub>2</sub> Fire extinguisher (Capacity 6.5kg. to 22.5 kg.)</b>		
1.	Discharge hose pipe	
2.	Discharge horn	
3.	Handle	
4.	Wheel set	
5.	Safety Pin With Holder	
<b>ABC Fire extinguisher (Capacity 4 kg. To 10 kg.)</b>		
1.	Discharge hose pipe	
2.	Squeeze Valve	
3.	Pressure gauge	
4.	Safety clip with string	
<b>Clean agent Fire extinguisher (Capacity 2 kg. To 6.0 kg.)</b>		
1.	Discharge hose pipe/nozzle	
2.	Squeeze Valve	
3.	Pressure gauge	
4.	Safety clip with string	
<b>Miscellaneous</b>		
2.	CO <sub>2</sub> horn full size	
3.	Rayon braided CO <sub>2</sub> hosepipe for CO <sub>2</sub> FE (Rate per mtr. length)	
4.	CO <sub>2</sub> cartridge for DCP / Water CO <sub>2</sub> FE	
5.	Aluminum valve wheel with nut for CO <sub>2</sub> FE	
6.	Complete safety pin lock-set for CO <sub>2</sub> FE	
7.	Washers for CO <sub>2</sub> /DCP/ABC FE	
8.	Safety Clip/Pin with string for ABC/DCP FE	
9.	Inner Container for DCP FE	
10.	PVC discharge nozzle for DCP/ABC FE	
11.	Inner container for DCP FE	
12.	Pressure gauge for ABC FE	
13.	Valve assembly for ABC FE	
14.	Union cap with plunger assembly for DCP FE	
<b>Fire Extinguisher Clamp with Installation</b>		
1.	ABC /4/5/6/ Kg. and Clean Agent 2 /4/5/6 kg.	
2.	DCP /5/6/ Kg.	
3.	CO <sub>2</sub> /4.5/5/6.5 Kg.	
<b>Note: If there is any spare requirement other than above mentioned spares items kindly quote the rate for the same.</b>		

**Date:**

**Signature & Seal of the Contractor**

### D. Terms and Conditions

Sr.No	Description	Bidder's Compliance
1	Payment:ITER-India payment terms will apply (Refer Sr. No. 6 of Note)	Comply Yes/No (In case of No Please provide details)
2	Validity Period (Refer Sr.No. 3 Of Terms and Condition)	Comply Yes/No (In case of No Please provide details)
3	GST (To Specify as applicable)	
4	GST No.	
5	SAC Code	
6	Udhyog Aadhar No. & Category (Micro/Small/Medium Enterprise)	
7	Discount(if any)	
8	Remarks	